Combined Preliminary and Detailed Site Investigation

Health Infrastructure

Broken Hill Key Worker Accommodation (KWA)

Key Worker Accommodation Program, Broken Hill, NSW

150231 | 63879

29 March 2023

We acknowledge the Traditional Custodians of Country throughout Australia and their connections to land, sea and community.

We pay respect to Elders past and present and in the spirit of reconciliation, we commit to working together for our shared future.

Table of Contents

Abbreviations **5**

Executive Summary **7**

1. Introduction and Background **9**

1.1 Introduction 9

1.2 Objectives 9

1.3 Scope of Works 9

2. Site Condition and Surrounding Environment **10**

2.1 Site Identification 10

2.2 Site Description 10

2.3 Surrounding Land Use 11

2.4 Topography 11

2.5 Geology and Soils 11

2.6 Acid Sulfate Soils 12

2.7 Salinity 12

2.8 Hydrology 12

2.9 Meteorology 13

3. Site History **14**

3.1 Historical Land Title Information 14

3.2 Historical Aerial Imagery 14

3.3 Council Planning Certificates 16

3.4 NSW EPA Records 17

3.5 Australian and NSW Heritage Register 17

3.6 Historical and Current Business Directories 18

3.7 Fair Trading NSW Properties Affected by Loose Fill Asbestos Insulation. 18

3.8 Dangerous Goods Search 18

3.9 Previous Investigations 18

3.10 Integrity Assessment 19

4. Preliminary Conceptual Site Model **20**

4.1 Potential Areas of Environmental Concern 20

4.2 Potentially Contaminated Media 20

4.3 Potential for Migration from Site 21

4.4 Potential Human and Ecological Receptors and Exposure Pathways 22

4.5 Preferential Pathways 22

5. Data Quality Objectives **24**

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5.1 Data Quality Objectives 24
5.2 Optimise the Design for Obtaining Data 28
5.3 Asbestos Quantification of Accessible Fill Based Soils 29
5.4 Soil Field PID Screening 29
5.5 Decontamination 29
5.6 Duplicate and Triplicate Sample Preparation 30
5.7 Laboratory Analysis 30
6. Assessment Criteria 31
6.1 Regulatory Guidelines 31
6.2 Assessment Criteria Selection 31
6.3 Preliminary Waste Classification 32
7. Quality Assurance and Quality Control 33
7.1 QA / QC Results 33
7.2 QA/QC Discussion 34
7.3 QA/QC Assessment 37
8. Results 38
8.1 Soil Observations 38
8.2 Soil Analytical Results 38
8.3 Preliminary In-Situ Waste Classification 39
9. Site Characterisation 40
9.1 Are there any unacceptable risks to future onsite receptors? 40
9.2 Are there any issues relating to the local area background soil concentrations that exceed appropriate soil criteria? 41
9.3 Are there any impacts of chemical mixtures? 41
9.4 Are there any aesthetic issues at the site? 41
9.5 Is there any evidence of, or potential for, migration of contaminants from the site? 42
9.6 Is a site management strategy required? 42
9.7 Is the site suitable for the proposed hospital land use? 42
10. Conclusions and Recommendations 43
10.1 Conclusions 43
10.2 Recommendations 43
11. Limitations 44
Figures 45
Tables 46

Appendices

Appendix A Appendix A Proposed Development Plans

Appendix B **Photographs**
Appendix C **Lotsearch (2022) Report**
Appendix D **Land Title**
Appendix E **Council Section 10.7 Certificate**
Appendix F **Dangerous Goods Search**
Appendix G **Loose Fill Asbestos Register**
Appendix H **Client Provided Documents**
Appendix I **Borelogs**
Appendix J **Decontamination and Calibration Records**
Appendix K **Laboratory Reports**
Appendix L **QA/QC Summary Tables**
Appendix M **ProUCL Output**

List of Figures

1. Site Location
2. Site Layout
3. Sample Locations
4. Soil Exceedances

List of Tables

Table A – Soil Analytical Results
Table B – Waste Classification Results
Table C – Leachate Analytical Results

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Abbreviations

Term	Definition
AEC	Area of Environmental Concern
AHD	Australian Height Datum
ASRIS	Australian Soil Resource Information System
ASS	Acid Sulfate Soil
AST	Above-ground storage tank
Bgl	below ground level
BTEX	benzene, toluene, ethylbenzene and xylenes
COPC	Contaminants of Potential Concern
CLM Act	Contaminated Land Management Act 1997
CSM	Conceptual site model
DG	Dangerous Goods
DP	Deposited Plan
DSI	Detailed Site Investigation
ED	Emergency Department
EPA	Environment Protection Authority
EPL	Environment Protection Licence
ESA	Environmental Site Assessment
FWLHD	Far West Local Health District
GPR	Ground Penetrating Radar
HBM	Hazardous Building Materials
HI	Health Infrastructure
JBS&G	JBS&G Australia Pty Ltd
LEP	Local Environmental Plan
MHU	Mental Health Unit
NATA	National Association of Testing Authorities
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
OCPs	Organochlorine pesticides
ODS	Ozone Depleting Substance
PAHs	Polycyclic aromatic hydrocarbons
PCB	Polychlorinated biphenyls
PCE	Tetrachloroethene (also Perchloroethene or perchloroethylene)
PFAS	Per- and Poly-fluoroalkyl Substances
POEO Act	Protection of the Environment Operations Act 1997
PSI	Preliminary Site Investigation
R&H SEPP	State Environmental Planning Policy (Resilience and Hazards) 2021

Term	Definition
SMF	Synthetic Material Fibres
TCE	Trichloroethene (also trichloroethylene)
TRH	Total Recoverable Hydrocarbons
VOC	Volatile Organic Compounds

Executive Summary

JBS&G Australia Pty Ltd (JBS&G) was engaged by Health Infrastructure (HI, the client) to complete a Detailed Site Investigation (DSI) for the proposed Broken Hill Key Worker Accommodation (KWA, the site). The site is formally identified as part Lot 4376 in DP757298. The proposed redevelopment includes a new Key Worker Accommodation as part of the Key Worker Accommodation Program (see Proposed Development Plans **Appendix A**). The overall KWA footprint is approximately 1,200 m^2. The site location and layout are shown on **Figures 1** and **2** respectively. The DSI documented herein has been limited to the proposed KWA footprint that is subject to redevelopment.

A combined PSI and DSI is required to characterise potential contamination at the site in accordance with the requirements of *State Environmental Planning Policy* (*Resilience and Hazards*) *2021* (R&H SEPP) and to draw conclusions regarding the suitability of the site for the proposed health services facility land use or make recommendations to enable such conclusions for the site.

The proposed contamination assessments have been developed with reference to the supplied tender brief (Health Infrastructure 2022) and in general accordance with NEPC (2013)[1] and other guidelines made or approved by the NSW Environment Protection Authority (EPA), R&H SEPP and related Planning Guidelines, and relevant Australian Standards.

The scope of works completed for this investigation comprised: a desktop review of site history and background information including a site inspection from external areas to identify potential areas of environmental concern (AECs) and associated contaminants of potential concern (COPCs); a detailed inspection within accessible areas of the site; development and documentation of a conceptual site model (CSM); soil sampling at eight locations via testpits including Asbestos Quantification Assessment (AQA); laboratory analysis of samples for COPCs, data evaluation against NSW EPA endorsed guideline values; and preparation of this report documenting the methods and results of the investigation. A hazardous building materials survey (HBMS) was not required to be completed, due to the lack of structures within the KWA footprint.

The following findings are presented based on scope of work completed for this investigation:

- The site history review identified that the site was historically as a hospital since the late 1800s;
- The review of historical site use information, previous reports and inspection of site conditions identified potential AECs and associated COPCs which were associated with potential importation of fill materials from unknown origins, hazardous materials associated with historical demolition, refurbishment and construction works, and the application of pesticides for maintenance of vegetated areas;
- Lead exceeded the adopted HILs in one location, requiring remediation in order to meet the requirements of the intended site land use;
- Bonded ACM was encountered within fill in two test pit locations and trace level friable asbestos was detected in one sample location, below the adopted HSLs. These impacts were greater than 0.1 m bgs in depth and are not considered to pose an aesthetic issue for the current site, however, will require future management from a WHS perspective during redevelopment;
- Concentrations of other COPCs were not identified at levels posing an unacceptable risk to human or ecological receptors relating to the proposed redevelopment of the site.

[1] *National Environment Protection (Assessment of Site Contamination) Measure* 1999, as amended 2013, National Environment Protection Council, 2013 (NEPC 2013).

- No other significant aesthetic issues associated with contamination (odours or staining) were identified; and
- No soil background issues or chemical mixtures, or significant potential offsite migration risks were identified.

Based on the findings of the investigation, and subject to the limitations in **Section 11**, it is concluded that the site can be made suitable for the proposed ongoing hospital use subject to implementation of a Remediation Action Plan (RAP).

Based on the results and conclusions of the investigation, the following recommendations are made:

- It is recommended that a RAP should be prepared for the redevelopment footprint to manage the identified lead in soil impacts. The report would address:
  - Data gaps to delineate the lateral extent of lead impacts at KW-B3 to identify future remedial extents;
  - Set remediation goals for potentially impacted media that will ensure the ongoing suitability of the land;
  - Typical site management controls including protocols to manage unexpected finds if encountered during any ground disturbance works associated with future site development; and
  - Remediation and validation actions including validation sampling, analysis and quality planning to enable the site to be considered suitable for proposed land use.
- It is recommended that a Redevelopment Asbestos Management Plan (RAMP) be prepared for the redevelopment footprint, detailing the safe implementation of the RAP in undertaking asbestos removal, as guided by the WHS regulatory framework (SafeWork NSW).

1. Introduction and Background

1.1 Introduction

JBS&G Australia Pty Ltd (JBS&G) was engaged by Health Infrastructure (HI, the client) to complete a Detailed Site Investigation (DSI) for the proposed Broken Hill Key Worker Accommodation (KWA, the site). The site is formally identified as part Lot 4376 in DP757298. The proposed redevelopment includes a new Key Worker Accommodation as part of the Key Worker Accommodation Program (see Proposed Development Plans **Appendix A**). The overall KWA footprint is approximately 1,200 m^2. The site location and layout are shown on **Figures 1** and **2** respectively. The DSI, documented herein, has been limited to the aforementioned areas of the site that are subject to redevelopment.

A combined PSI and DSI is required to characterise potential contamination at the site in accordance with the requirements of *State Environmental Planning Policy* (*Resilience and Hazards*) *2021* (R&H SEPP) and to draw conclusions regarding the suitability of the site for the proposed health services facility land use or make recommendations to enable such conclusions for the site.

The investigation undertaken was completed in general accordance with guidelines made or approved by the NSW Environment Protection Authority (EPA) including National Environmental Protection Council (NEPC 2013[2]) *National Environment Protection (Assessment of Site Contamination) Measure 1999* as amended 2013, EPA (2020[3]) reporting guidelines and the Remediation of land Planning Guidelines.

1.2 Objectives

The objectives of the investigation were to assess the potential for historical contaminating activities at the site and provide a preliminary and detailed assessments of the suitability of the site for the proposed use, or to make recommendations to enable such assessments to be made in the future.

1.3 Scope of Works

The scope of works completed for this investigation comprised:

- A desktop review of site history and background information, to identify potential areas of environmental concern (AECs) and associated contaminants of potential concern (COPCs);
- A detailed inspection within accessible areas of the site (i.e. outdoor areas) to confirm the desktop findings and identify the presence of additional AECs;
- Development and documentation of a conceptual site model (CSM) based on the available information;
- Soil sampling at eight locations to characterise site soils within accessible areas for the COPCs;
- Laboratory analysis program for representative samples for COPCs, with subsequent data evaluation against NSW EPA endorsed guideline values; and
- Preparation of this DSI report documenting the methods and results of the investigation.

[2] *National Environmental Protection (assessment of Site Contamination) Measure 1999, as amended 2013*. National Environment Protection Council, 2013 (NEPC 2013.

[3] *Consultants Reporting on Contaminated Land Contaminated Land Guidelines*, NSW Environment Protection Authority, EPA, April 2020, updated 5 May 2020 (EPA 2020).

2. Site Condition and Surrounding Environment

2.1 Site Identification

The location and current layout of the site is shown in **Figures 1** and **2** respectively. The site details are summarised in **Table 2.1.**

Table 2.1: Summary of Site Details

Site Legal Identifier (Figure 2)	Lot 4376 in DP 757298
Site Address	176 Thomas Street, Broken Hill, NSW 2880
Site Area	1,200 m^2
Local Government Authority	City of Broken Hill
Approximate Coordinates (GDA 94 Map Grid of Australia (MGA) 54)	Easting: 542901.856 Northing: 6465344.474
Registered Site Owner	Health Administration Corporation
Current Zoning	Zone R1 – General Residential (*Broken Hill Local Environmental Plan 2013*)
Previous Land Uses	Vacant Land
Current Land Uses	Health Service
Proposed Land Uses	Health Service

2.2 Site Description

A site inspection was undertaken on 6 February 2023 by a JBS&G Senior Environmental Consultant as part of the DSI to assess site conditions and identify any potentially contaminating conditions and/or activities, with key observations of the KWA site documented below:

- The KWA site is an approximately rectangular-shaped parcel of land, situated within the Broken Hill Hospital site boundary along Morgan Street to the northwest. The site contains grassed areas and landscaped gardens (including decorative gravel beds, small trees and shrubs). The south-eastern boundary of the KWA site is adjacent to a concrete footpath, which extends down to the main hospital entry. There are no building structures present;
- The site is situated atop a hill crest, with the highest point at the centre, a gentle downwards slope towards the northwestern and northern boundaries, and a steep downwards slope to the south-eastern boundary of the site, which is approximately 3m lower than the centre of site.
- No aboveground or underground fuel storage tanks (AST/UST) were observed within the investigated area;
- Decommissioned power cables were found in the northern corner of the investigated area. Former water tanks are located at the northwestern portion of the investigated area. No chemical storage and waste disposal pits or bin storages were observed; and
- There was no evidence of significant contamination at the site in the form of Asbestos containing materials (ACM) fragments, odours or staining on the surfaces.

A photographic log is presented in **Appendix B**.

2.3 Surrounding Land Use

The proposed KWA area is located within the broader Broken Hill Hospital. The site features described below pertain to the developable footprint, and are based on recent aerial photographs obtained from Nearmap[4] and completed by Lotsearch (2022[5], **Appendix C**) and confirmed during the site walkover. The current land uses of adjacent properties or properties across adjacent roadways from the Hospital are summarised below.

- North – To the north is part of a sealed carpark area, access driveway and Morgan Street, across which is residential land. To the NW between the site and Morgan St is a former substation, backup power generator and pumphouse and water tanks, with potential to have abandoned fuel/oil distribution pipework.
- West – Hospital buildings and a carpark are west of the KWA. Beyond, the Hospital is bound to the west by Bromide Street, and further still, low-density residential dwellings, a private clinic and a pre-school.
- East – Directly east of the KWA are a carpark and Kincumber House, within the Hospital. The Hospital is bound to the east by Chloride Street and low-density residential dwellings beyond.
- South – South of the KWA boundary are landscaped gardens and a path down to a carpark and Hospital buildings. The Hospital is bound to the south by Thomas Street and low-density residential dwellings and a pathology laboratory beyond.

2.4 Topography

A search of elevation contours was completed by Lotsearch (2022[3], **Appendix C**), which indicates that the KWA relatively flat at an elevation of 322 m Australian Height Datum (AHD), with a steep decline south within the Hospital boundary, to 312 m Australian Height Datum (AHD). The area in vicinity of the hospital generally slopes east to northeast from this elevated northwest part of the hospital site, based on Lotsearch (2022) elevation contours. Some areas of the hospital site also appear to have been artificially raised for landscaping or building, particularly in the vicinity of Kincumber House, external to the site.

External to the northern site boundary, a steep descent from Morgan Street northward to Morgan Lane and Sulphide Street is noted on Google Street View.

2.5 Geology and Soils

Reference to Lotsearch (2022[3], **Appendix C**) indicates that site is underlain by Sundown Group Siliciclastic sedimentary rock, comprising interbedded pelite, psammopelitic and psammitic metasedimentary rocks.

The soil classification order is tenosol, which occurs on hills with small valley plains. Tenosols are described as shallow, dense loamy soils to shallow calcareous loamy soils and sands occurring on hills.

It is noted that studies have observed elevated background levels of heavy metals in soils, particularly lead, in the City of Broken Hill, which are associated with the town's historic and ongoing mining industry (Yang & Cattle 2015[6]; Kristensen & Taylor 2016[7]).

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[4] *Nearmap Map Browser*, https://www.nearmap.com/au/en, Nearmap, accessed 19 December 2022.

[5] *Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880*, Lotsearch, Reference: LS038494 EP, 29 November 2022 (Lotsearch 2022)

[6] "Bioaccessibility of lead in urban soil of Broken Hill, Australia: a study based on in vitro digestion and the IEUBK model", Yang K and Cattle SR, *Science of the Total Environment,* 538, pp.922-1933, 2015 (Yang & Cattle 2015)

[7] "Unravelling a 'miner's myth' that environmental contamination in mining towns is naturally occurring", Kristensen LJ and Taylor MP, *Environmental Geochemistry and Health,* 38(4), pp.1015-1027, 2016 (Kristensen & Taylor 2016)

2.6 Acid Sulfate Soils

Reference to Lotsearch (2022, **Appendix C**) indicates that the site has an extremely low probability of acid sulfate soils (ASS). Review of the geographical and topographical location of the site has indicated that it is a significant distance away from tidal creeks or estuaries, and it is considered unlikely that ASS would exist at the site. Based on the identified geological and topographical setting no further consideration for the potential for ASS at the site is required.

2.7 Salinity

Reference to Lotsearch (2022, **Appendix C**) of dryland salinity indicates that there is no current National Assessment data available.

Areas of high saline risk generally occur lower in the landscape, or at permeability contrasts, where saline groundwater may come within close proximity to the ground surface or where seepage causes waterlogged conditions, thereby concentrating soils. Typically scattered saline indicator vegetation occurs in these areas.

With consideration to the site topography (approximately 300 m AHD) and average depth to the groundwater in proximity to the site (approximately 25 m bgs, **Section 2.9**), there is a low probably of salinity at the site.

2.8 Hydrology

The closest water body is a drainage channel approximately 1.2 km east of the site, which joins a tributary of the Willa Willyong Creek, approximately 3.3 km northeast of the site, and eventually enters the Stephen Creek reservoir, approximately 12 km northeast of the site. Stephen Creek flows towards Tandou Lake in the Menindee Lakes catchment and the Darling River, approximately 90-100 km south to southeast of the site. It is noted that the Menindee Lakes catchment supplies water to Broken Hill to meet irrigation, stock and domestic needs (WaterNSW 2022[8]).

Surface water generated during periods of rainfall is anticipated to largely infiltrate through the unsealed surfaces and grass, with excess surface water flowing in a northwesterly and northerly direction from the northwestern side of the KWA area and down the slope in the southeast portion of the site.

Table 2.2: Registered Groundwater Bore Search Summary

Bore ID	Use	Standing Water Level (m bgs)	Well Depth (m bgs)	Distance from site	Water bearing zones / relevant contamination observations
GW600132	Water Supply	9	17.5	417 m to the northeast	Not recorded
GW600171	Water Supply	15.7	30	579 m to the west	Not recorded
GW803404	Water Supply	22	31	710 m to the north	24.00m-25.50m Water bearing
GW600160	Water Supply	16.8	30	792 m to the north	24.00m-30.00m Water bearing
GW600162	Water Supply	14	54	829 m to the northwest	Not recorded
GW600163	Water Supply	-	30	938 m to the north	Not recorded

[8] *Menindee Lakes,* WaterNSW, https://www.waternsw.com.au/nsw-dams/regional-nsw-dams/menindee-lakes#:~:text=Today%20the%20lakes%20supply%20water,supplement%20the%20River%20Murray%20system., accessed 22 December 2022

Bore ID	Use	Standing Water Level (m bgs)	Well Depth (m bgs)	Distance from site	Water bearing zones / relevant contamination observations
GW600301 to GW600308 (eight wells)	Monitoring	3.62 to 10.95	12 to 20.54	1191 to 1258 m to the south	Not recorded
GW500071	Monitoring	-	7.5	1398 m to the southeast	0.20m-6.50m Hydrocarbon Odour. 6.50m-7.50m Moist to Very Moist

It is noted in Lotsearch (2022, **Appendix C**) that the local aquifers are generally of low productivity. With regard to the depth of groundwater in proximal wells to the site, potential onsite groundwater may be encountered at relatively deep levels (approximately 10-20 m bgs).

Based on the topography and hydrology discussed above, it is inferred that shallow/perched groundwater migration will occur in an east to northeast direction. However, noting variable terrain in Broken Hill and historical mining activities in the town predominantly southeast of the site, there is the potential that groundwater flows may differ from what is inferred here.

2.9 Meteorology

A review of average climatic data for the nearest Bureau of Meteorology monitoring location (Broken Hill Patton Street[9]) indicates the site is located within the following meteorological setting:

- Average minimum temperatures vary from 5.4 ^{o}C in July to 18.5 ^{o}C in January;
- Average maximum temperatures vary from 15.2 ^{o}C in July to 32.8 ^{o}C in January;
- The average annual rainfall is approximately 259.8 mm with rainfall greater than 1 mm occurring on an average of 34.6 days per year; and
- Monthly rainfall varies from 17.8 mm in April to 25.8 mm in February with the wettest periods occurring on average in January to March.

[9] http://www.bom.gov.au/climate/averages/tables/cw_047007.shtml, Commonwealth of Australia, 2013 Bureau of Meteorology, Product IDCJCM0028, accessed by JBS&G on 20 December 2022.

3. Site History

3.1 Historical Land Title Information

Relevant details from a historical review of the land titles for the site are listed in **Table 3.1**. A copy of title search results is provided in **Appendix D**.

Table 3.1: Summary of Historical Land Titles

Date	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
11.06.1889	Dedicated for Hospital Site	
24.11.1933 (1933 to 2010)	The Broken Hill and District Hospital Now Far West Health Service (Granted for Hospital Site)	Volume 4598 Folio 214 (Grant) Then 4376/757298 Now Auto Consol 4598-214
19.08.2010 (2010 to 2016)	Greater Western Area Health Service	Auto Consol 4598-214
05.312.2016 (2016 to 2019)	#Far West Local Health District	Auto Consol 4598-214

# Denotes current registered proprietor
Leases: - Yes, (AK974650) to The University of Sydney of part being premises known as "Corrindah Court", building 31 at Broken Hill Hospital, Morgan Street, Broken Hill. Expires 1st August 2027
Easements: - NIL

The above information indicates the site has been reserved for use as a public hospital, or has been an operational public hospital, since the beginning of the land title records for the site in 1889.

A current and historical mining and exploration titles search was completed by Lotsearch (2022, **Appendix C**) within the site and within a 1000 m buffer of the site. A historical petroleum exploration licence, identified within the site and within the extent of the buffer, was issued to Hardie Infrastructure Pty Ltd in 2006, and ceased in 2009. No other historical or current mining and exploration titles were identified within the subject areas.

A Hospital plaque of a labelled 1941 historical aerial was photographed during the site walkover, which shows that a large structure had previously been visible within the KWA, identified as the Nursing Staff Accommodation. Smaller structures directly west include a Male Staff Changeroom, Boiler Plant and Age Care Unit. A photograph of the plaque has been included as **Appendix B**.

3.2 Historical Aerial Imagery

Copies of historical aerial photographs from regular intervals were obtained from Lotsearch (2022, **Appendix C**) and Nearmap (2022, as **Figure 2**). Due to the limited availability of historical aerials within the Broken Hill region, aerials were not available before 1954.

Copies of historical aerial photographs reviewed as part of this assessment are provided in **Appendix C**. Relevant information from JBS&G's review of available aerial imagery is summarised in **Table 3.2 below.**

Year	Observations
1954	Broken Hill Hospital Extent: It appears that the hospital is operational and contains several structures in the north, central and eastern portions of the hospital. A large structure, Kincumber House to the north, is still present today.

Year	Observations
	A landscaped entrance from Thomas Street with a semi-circular roadway, presumably a patient drop-off zone, is visible to the south. Vacant areas are present in the eastern and western portions of the hospital. Rows of trees, potentially a small orchard, dominates the majority of the southern portion of the hospital. An internal hospital roadway crosses from the east to the northwest. KWA Footprint: The former Nursing Staff Accommodation (refer to **Appendix B**) and internal courtyard is visible in the central portion of the KWA and occupies most of the area. Several smaller buildings (including the Male Staff Changeroom, Boiler Plant and Age Care Unit) are adjacent to the western site boundary. External to the Hospital Boundary: The KWA footprint is within the Broken Hill Hospital boundary to this day. The hospital is bound by Morgan Street to the north (unsealed), Chloride Street to the east (sealed), Bromide Street to the west (unsealed), and Thomas Street to the south (sealed). Low density residential properties are present beyond each aforementioned street, although there is some vacant undeveloped land to the north and northwest, and vacant lots are present immediately west of the site.
1965	Broken Hill Hospital Extent: New buildings have appeared in the northern and southern portions of the hospital. A carpark, which may be unsealed, is visible in the southern portion of the hospital. The presumed orchard is no longer visible, and appears as a landscaped area. A new unsealed roadway intersects the centre of central portion of the hospital from the north to the south. KWA Footprint appears unchanged. Directly west of the KWA boundary, it appears that several of the smaller structures are no longer present, and has been replaced by one large building, which appears connected to the onsite Nursing Staff Accommodation. External to the Hospital Boundary: Additional low density rural residential properties have appeared in the vacant areas to the northwest and west to southwest of the hospital boundary. The surrounds otherwise appear relatively unchanged since the previous aerial (1954)
1975	Broken Hill Hospital Extent: Tree clearing has occurred along the southern boundary line (Thomas Street), particularly within the carpark area. The building in the south has been upgraded. A new building structure is visible to the southwest portion of the hospital. The northwest area appears to have been landscaped with a formed path/road from Bromide Street. KWA Footprint: The site remains unchanged. Tree clearing has occurred external to the northern boundary line to make way for the new carpark. External to the Hospital Boundary: Additional low density rural, residential properties have appeared in the vacant area to the northwest of the hospital boundary. Morgan Street and Bromide Street now appear sealed. The surrounds otherwise appear relatively unchanged since the previous aerial (1965).

Year	Observations
1981	The KWA footprint appears unchanged. Additional structures, presumedly medical residencies, are now present in the southwest portion of the hospital. Additional low density rural, residential properties have appeared in the vacant area to the northwest of the hospital boundary. The site and surrounds appear otherwise unchanged since the previous aerial (1975).
1995	The KWA footprint appears unchanged. The carpark in the south now appears to be sealed. Additional structures believed to be an aged care/retirement village, are now present southwest of the hospital boundary. The site and surrounds appear otherwise unchanged since the previous aerial (1981).
2004	Broken Hill Hospital Extent: Major building upgrades have occurred in the southeastern and eastern portion of the hospital, including a large hospital complex along Thomas Street, new internal roadways and carparks. The carpark in the south is now where part of the new hospital building complex is; a carpark is now visible in the central portion of the hospital where the central large structure was previously visible. A new carpark east of KWA is now where the old building was previously visible. The landscaped semi-circle entrance from Thomas Street is now where part of the new building complex is; the site entrance is now further southwest along Thomas Street. The new roadway intersects the hospital towards the northeast and exits on Chloride Street. The KWA footprint appears unchanged. The surrounds otherwise appear unchanged since the previous aerial (1995)
2010	The site and surrounds appear largely unchanged since the previous aerial (2004).
2017	Additional structures are visible in the western and in the northeastern portions of the hospital. An extension is now visible on Kincumber House to the north of the site. The site and surrounds otherwise appear largely unchanged since the previous aerial (2010).
2021	There is no longer a major old building present within the KWA. Landscaping, including circular gravel paths and grasses, are now visible. The rest of site and surrounds appear largely unchanged since the previous aerial (2017).
2022	Solar panels have been added to the new building complex in the south and southeast of the hospital. The site and surrounds otherwise appear largely unchanged since the previous aerial (2021).

3.3 Council Planning Certificates

A copy of Section 10.7 (2 and 5) Planning Certificates for the site was obtained by JBS&G from Council and are included in **Appendix E**. Relevant details are summarised below:

- The land is subject to requirements of the Broken Hill Local Environmental Plan 2013 (Broken Hill LEP) and relevant SEPPs;
- The land is currently zoned R1 General Residential;
- The land is affected by a heritage item, described as “old areas of the Broken Hill Hospital” in Schedule 5 of the Broken Hill LEP;
  - Review of the Broken Hill LEP identified that the item resided on part of 170–320 Thomas Street, in part Lots 3751, 4375 and 4376, DP 757298. Therefore, the heritage item is external to the subject areas.
- The land is not affected by any road widening or road realignment.

- The property has not been identified to be affected by landslide, subsidence, bushfires, floods, acid sulfate soils, tidal inundation or any other risk;
- The property is not subject to specific vegetation plans, biodiversity stewardship site or identified as biodiversity certified land, however; it is noted that approval may be required to clear native vegetation within the Broken Hill LGA, under provisions of the Native Vegetation Act 2003 (No 103);
- It is noted that Council strongly recommends that advice be obtained from a licensed asbestos assessor (LAA) to determine if any loose-fill asbestos is present at the site;
- The land is not significantly contaminated land, subject to a management order or subject of an approved voluntary management proposal within the meaning of the Contaminated Land Management Act 1997 (CLM Act);
- It is noted as additional contamination information that the land may contain levels of heavy metals associated with Broken Hill being an active mining town. Council has not undertaken specific testing within the property in relation to this matter.

3.4 NSW EPA Records

Lotsearch (2022, **Appendix C**) completed a search of the NSW EPA database for the site and immediate surrounding properties. EPA records are provided in **Appendix C**. The search was undertaken through the following public registers:

- NSW EPA contaminated land public register of record of notices (under Section 58 of the CLM Act):
  - No notices have been issued under the CLM Act for the site or immediate surrounds.
- NSW contaminated sites notified to the EPA (under Section 60 of the CLM Act):
  - The site or land immediately surrounding the site do not appear on the EPA contaminated land register or list of sites notified to EPA.
- NSW EPA Government per- and poly-fluoroalkyl substances (PFAS) Investigation Program:
  - The site or land immediately surrounding the site is not listed on the NSW Government PFAS Investigation program.
- NSW *Protection of the Environment Operations Act 1997* (POEO Act) public register of licences, applications and notices (maintained under Section 308 of the POEO Act):
  - A surrendered licence for Hazardous, Industrial or Group A Waste Generation or Storage was identified within the Broken Hill Hospital site;
  - No prevention, clean-up or prohibitions notices and no transfer, variation, suspension, or revocation of an Environment Protection Licence (EPL) has been issued under the POEO Act for the site; and
  - Three surrendered licences were issued to Waterways Throughout NSW for the application of herbicides, approximately 900 m west of the site.

3.5 Australian and NSW Heritage Register

A search of the National Heritage Trust database, NSW Heritage Inventory and Broken Hill LEP was undertaken by Lotsearch (2022), and records are included in **Appendix C**.

The National database identified the City of Broken Hill, inclusive of the site, as an item of national significance, relating to historical mining.

The State search did not identify the presence of significant items within the site, however two separate items of state significance were identified approximately 600 m southeast and 950 m northwest of the site.

The Broken Hill LEP identified that the “old areas of Broken Hill Hospital” were of local significance, within the Broken Hill Hospital Boundary and external to the subject areas.

3.6 Historical and Current Business Directories

Lotsearch (2022, **Appendix C**) completed a search of the historical and current business directories within the site and within a 150 m buffer of the site. A number of motor garages, petroleum service station and dry cleaners were noted within the buffer, external to the site boundary. A historical dry cleaner, registered in 1961, was previously located adjacent to the eastern hospital boundary on Chloride Street, and a service station, registered in 1970, was located adjacent to the southern hospital boundary on Thomas Street. With consideration to the local topography and hydrogeology (**Sections 2.4 and 2.9**), these historical activities may pose a potential contamination risk to the hospital site, and potentially the subject areas.

3.7 Fair Trading NSW Properties Affected by Loose Fill Asbestos Insulation.

A search of the Fair-Trading NSW Loose-fill Asbestos Insulation Register (LFAI register[10]) for the site address has indicated that the property comprising the site is not currently registered as being affected by the presence of LFAI (**Appendix G**).

3.8 Dangerous Goods Search

A DG search was submitted to SafeWork NSW (**Appendix F**) and did not locate any records pertaining to the site. However, it is noted that not all DG storage is required to be registered, and there is potential for historical above and below ground DG storage to have occurred that was not registered, such as small heating oil or diesel tanks, small volumes of paints or solvents, or waste storage.

Based on information provided by the client (**Appendix H**), some minor storage of flammable/hazardous goods (oxygen and LPG) are located to the south of the KWA.

3.9 Previous Investigations

3.9.1 Asbestos Register – Broken Hill Health Service (FWLHD 2015[11]) Asbestos Register

The client provided an Asbestos Register prepared in 2015. The audit included inspection of 22 buildings and related structures, identifying predominantly bonded asbestos cement building materials and some friable asbestos items, and the completion of eleven confirmatory samples.

With respect to asbestos contamination aspects, JBS&G note that damaged ACM in external building materials and friable asbestos such as used on pipe lagging in subfloor areas, could impact surface soils.

In addition, an inspection of Corindah Court car park, an area to the north of hospital, identified building and demolition waste within an earthen embankment, with the potential for ACM to be present.

Photographs included suggest there may also be lead-based paints, with some flaking paint visible, however lead-based paints were not assessed.

The conclusion of the audit report recommends a range of management actions to several of the buildings assessed, and within Corindah Court car park.

It is noted that the buildings assessed in the Register fall outside of the developable site extent subject to this investigation; however, as noted in the historical aerial imagery (**Section 3.2**), building structures that may have been constructed with asbestos (and lead paint) were previously within the KWA site boundaries. As such, asbestos impacts from demolition works may be present within the former building footprints.

[10] http://www.fairtrading.nsw.gov.au/ftw/Tenants_and_home_owners/Loose_fill_asbestos_insulation/Public_register_of_affected_properties.page accessed 20 December 2022

[11] *Asbestos Register, Broken Hill Health Service, Far West Local Health District 2015,* May 2015.

3.9.2 Broken Hill Hazardous Material Survey (GHD 2016[12])

GHD Pty Ltd completed an intrusive (pre-demolition) Hazardous Building Material (HBM) Survey of Kincumber House, located in the north of the hospital area along Morgan Street, for the purpose of addressing HBM data gaps from the FWLHD (2015) investigation and to inform decisions related to the Kincumber House internal refurbishment.

The HBM further defined the extent of ACM, and investigated the presence of Synthetic Mineral Fibres (SMF), PCBs within light fittings, Ozone Depleting Substance (ODS) within air conditioning and refrigeration units, leaded paint systems and lead contaminated dust due to the presence of deteriorating lead paint, through the collection of representative samples for analysis at a National Association of Testing Authorities NATA accredited laboratory.

The laboratory and visual findings confirmed the presence of both friable and bonded asbestos and lead paint in the areas surveyed. The likelihood of SMF and PCBs were determined as highly likely, and no ODS were identified during the inspection. The Survey concludes with recommendations to safely manage the identified HBMs during the Kincumber House refurbishment.

It is noted that Kincumber House is external to the subject site, in the central northern portion of the hospital boundary (**Figures 2** and **3**).

3.10 Integrity Assessment

The site is assumed to have been vacant until 1889, where records show that it was dedicated for hospital use, and later established as the Broken Hill and District Hospital in 1933. Aerial photography available from 1954 suggests that the site has undergone moderate changes over the past 90 years and has remained a public hospital during this time. Considering the various sources of information and consistency of findings, the historical assessment has an acceptable level of accuracy regarding potentially contaminating activities that may have occurred on the site.

[12] *Broken Hill Hospital Kincumber House and Ambulatory Wing - Hazardous Building Materials Survey,* GHD Pty Ltd, May 2016 (GHD 2016).

4. Preliminary Conceptual Site Model

4.1 Potential Areas of Environmental Concern

Based on the historical review of the subject site, areas of environmental concern (AECs) have been identified and are presented in **Table 4.1** and **Figure 3**.

Table 4.1: Areas of Environmental Concern and Contaminants of Potential Concern

Area of Environmental Concern (AEC)	Primary Contaminants of Potential Concern (COPC)
Anthropogenic fill materials of unknown origin used to create existing/current site levels	Heavy metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene and xylene (BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs), polychlorinated biphenyls (PCBs) and asbestos
Shallow soils potentially impacted with hazardous building materials historically demolished in or within proximity to the subject site, including pesticide use	Asbestos, lead, OCPs and PCBs
Potential Offsite sources:	
Former orchard south of Hospital	OCPs and heavy metals
Old boiler plant/electrical substation north west of site	Hydrocarbons, metals, solvents, acids/alkalis, PCBs
Firefighting systems in the vicinity	PFAS
Vehicle maintenance area/carpark/wash bay and maintenance store south of Hospital	TRH, BTEX, PAHs, heavy metals, VOCs, acids/alkalis, refrigerants

4.2 Potentially Contaminated Media

Each of the AECs and corresponding COPCs identified in **Section 4.1** have the potential to impact soil, groundwater and/or soil vapour (where volatile constituents are identified) underlying the KWA site, situated to the north of the Hospital.

Where fill materials are present, such as fly-tipped waste or soils that have been disturbed close to the building structures, there is a likelihood that environmental impact may be present, consistent with the depth of the disturbance. Anthropogenic materials are commonly present in impacted fill materials and can be used as an indication of the depth of disturbance, or to indicate where site levels may have been altered by filling. Where fill materials impacted with chemical-based contaminants are identified, there is a potential the impact may have migrated laterally to/from the site and vertically below the fill material into natural soils.

With the exception of asbestos, each of the COPCs identified in **Table 4.1** for the site have the potential to migrate from shallow soils into groundwater. Natural soils and/or bedrock are expected to underlay the fill material anticipated in various areas of the site, and may potentially be impacted by the downward migration of contaminants through fill where surfaces are unsealed. There is the potential for the leaching of contaminants vertically from fill into groundwater and/or potential off-site impacts. Natural soils/rock may also be impacted by contaminated groundwater migration (if present).

Firefighting systems are noted on the plans, external to the site redevelopment boundary, which may contain PFAS. Current and former hospital activities, including the former orchard within the southern portion of the Hospital boundary, south of the proposed KWA location, may also have the potential for chemical impacts (e.g., metals and OCPs). As such, there may be potential contamination impacts to the surface soil, and subsurface soil, soil vapour and groundwater system resulting from onsite sources or migration from offsite source areas. No evidence or history of firefighting practices have occurred on the site and firefighting systems

are hydrant-based, which likely utilises pressurised town water; therefore the risk of PFAS impacts is considered to be low. With consideration to potential impacts from the former orchard south of the Hospital, it is unlikely that OCPs and metals would migrate at such a distance, particularly as it is downgradient; as such, it does not pose a migration risk to the site.

A decommissioned pipe, potentially resembling a fuel line associated with a backup power transformer, was identified northwest of the site, in the vicinity of the power station and old boiler house. As such, a former UST may be present northwest of the investigated area, potentially posing an onsite migration risk, including COPCs such as hydrocarbons, metals, solvents, acids/alkalis and PCBs. With consideration to local topography, the area is considered to be downgradient of the site. Furthermore, during the inspection, no odours or staining were observed; therefore the migration risk of potential COPCs, if present, is considered to be low.

With consideration to the construction age of some structures identified at the site, hazardous building materials including ACM and/or lead paint may have been used. As such, surface and subsurface soils within the vicinity of existing (and former) site structures are considered potentially contaminated.

A review of the site history and environmental setting has indicated that the potential for soil-vapour contamination is low. On this basis, no direct assessment of soil-vapour is considered warranted. Notwithstanding, if substantial soil impacts by volatile COPCs (VOCs including BTEX, and volatile TRHs) are identified, ancillary soil vapour impacts may be present.

Based upon assessment of geological conditions at the site including consideration of the potential future development activities in accordance with ASSMAC (1998[13]), it has been concluded that there are no risks from potential ASS at the site that require consideration during future development activities and/or proposed land uses.

4.3 Potential for Migration from Site

Contaminants generally migrate from site via a combination of windblown dusts, rainwater infiltration, groundwater migration and surface water runoff. The potential for contaminants to migrate is a combination of:

- The nature of the contaminants (solid/liquid and mobility characteristics);
- The extent of the contaminants (isolated or widespread);
- The location of the contaminants (surface soils or at depth); and
- The site topography, geology, hydrology and hydrogeology.

The COPCs identified as part of the site history review and site inspection are generally in solid (e.g. asbestos and metals), liquid (e.g. TRH, VOCs, PAHs, PFAS, OCPs and PCBs) or gaseous (e.g. VOCs, volatile TRH and semi-volatile TRH and PAHs) form.

As areas of the site are unsealed, the potential for windblown dust migration of contamination from the site is moderate. The potential for contamination migration via surface water movement and infiltration of water and subsequent migration through the soil profile is considered to be low to moderate, given impervious pavements cover only portions of the subject site areas. It is likely that most run off would be captured within the site's stormwater infrastructure.

The potential solubility of chemical contaminants in soil, in addition to rate of surface water infiltration, perched water seepage and groundwater movement across the site will influence the potential for migration of soil and groundwater contamination within and from the site. Should impacted groundwater be identified

[13] *Guidelines for the Use of Acid Sulfate Soil Risk Maps*. Acid Sulfate Soil Management Advisory Committee August 1998, ASSMAC 1998.

in proximity to the inferred downgradient boundary of the site, then the potential for off-site migration of contaminants in groundwater will require further consideration.

The potential for off-site migration of vapours will only be relevant where volatile COPCs are identified at significant levels in soil or groundwater. These COPCs can migrate laterally from the site through diffusive/advective processes as well as through preferential pathways (refer to Section 4.5). Should elevated levels of vapours be identified, then the potential off-site migration of volatile COPC will require further consideration.

4.4 Potential Human and Ecological Receptors and Exposure Pathways

A summary of potential human receptors and associated exposure pathways for the site, based on the range of exposure scenarios that may occur under the proposed ongoing hospital land-use of the site is presented in **Table 4.2**.

Receptor	Location	Media	Potential Exposure Pathways
Commercial Worker (adult) Public patients and visitors, including sensitive receptors such as children and the elderly	Commercial building/ Outdoor areas	Soils	Inhalation (vapours, airborne particulates) Oral and dermal in unpaved areas
		Groundwater	Inhalation (vapours)
Construction worker or intrusive maintenance worker (short duration)	Construction areas/ Excavations	Soils	Inhalation (vapours and particulates) Oral ingestion Dermal
		Groundwater	Inhalation (vapours) Oral ingestion (infiltrating seepage water) Dermal (infiltrating seepage water)

As portions of the subject site are unsealed, including landscaped areas and scrub, there is the potential for on-site ecological receptors that could be exposed to environmental impacts underlying the site.

Potential receptors of environmental impact present within the site which need to be addressed with respect to the suitability of the site for the proposed use include:

- Future workers, public patients and visitors (including sensitive receptors such as children and the elderly) who may potentially be exposed to COPC through direct contact with or ingestion of impacted soils in unsealed areas and/or inhalation of dusts/inhalation of vapours/fibres associated with impacted unsealed soils; and/or
- Excavation/construction/maintenance workers conducting activities at the site including excavation works, who may potentially be exposed to COPC through direct contact with or ingestion of impacted soils or groundwater present within excavations and/or inhalation of dusts/inhalation of vapours/fibres associated with impacted soils; and
- Flora species to be established in site soils within vegetated areas of the site.

4.5 Preferential Pathways

For the purpose of this assessment, preferential pathways have been identified as natural and/or man-made pathways that result in the preferential migration of COPCs as either liquid or vapour/gas.

Man-made preferential pathways at the site are limited to:

- Fill materials used in construction of existing site levels which typically have a higher permeability than natural soils; and

- Underground service infrastructure present at the site potentially acting as preferential pathways for mobile liquid and vapour contaminants, potentially including stormwater, sewer and other waste lines, electrical/communications conduits; and services/inspection pits.

Where environmental impact (particularly in liquid or gaseous form) is observed within fill materials, further consideration to the potential migration of these impacts will be required.

5. Data Quality Objectives

5.1 Data Quality Objectives

Data Quality Objectives (DQOs) were developed for the investigation, as discussed in the following sections.

5.1.1 State the Problem

The objectives of the investigation are to characterise potential contamination at the site, and to assess whether potential contamination from historical activities at the site may pose an unacceptable risk to future receptors for the proposed land use, or to make recommendations to enable such assessments to be made. Based on **Section 4**, a potential for contamination has been identified at the site, which requires further assessment in order to meet the objectives of the assessment.

5.1.2 Identify the Decision

Based on the decision making process for assessing urban redevelopment sites detailed in EPA (2017[14]), the following decisions must be made:

- Are there any unacceptable risks to likely future on-site receptors?
- Are there any issues relating to the local area background soil concentrations that exceed appropriate soil criteria?
- Are there any impacts of chemical mixtures?
- Are there any aesthetic issues at the site?
- Is there any evidence of, or potential for, migration of contaminants from the site?
- Is a site management strategy required?
- Is the site suitable for the proposed hospital land use?

5.1.3 Identify Inputs to the Decision

Inputs identified to provide sufficient data to make the decisions nominated above include:

- Historical background information, site observations and regional environmental information;
- Observations of the current site conditions made during the current investigation;
- Physical observations and interpretation of potentially contaminated media through the collection of soil and groundwater samples;
- Development of appropriate assessment criteria for evaluation of soil and groundwater impacts based on the proposed use of the site as a health services facility;
- Field parameters as measured utilising calibrated equipment during the investigation, including assessment of soil sample headspace;
- Laboratory analysis of soil samples of potentially contaminated media for COPC; and
- Confirmation that data generated by sample analysis are of an acceptable quality to allow reliable comparison to assessment criteria by assessment of quality assurance / quality control (QA/QC) as per the data quality indicators (DQIs) established in **Section 5.1.5**.

Specifically, sufficient data needs to be collected from each of the identified potentially impacted media in the identified AECs for the associated COPCs (**Table 4.1**).

[14] *'Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme, 3rd* Edition', NSW Environmental Protection Authority, October 2017 (EPA 2017)

5.1.4 Define the Study Boundaries

The lateral study boundaries of the site as shown on **Figure 2**. The vertical extent of the soil investigation was to a maximum depth of 1 m bgs (KW-B5).

The temporal study boundaries were limited to the period of assessment works undertaken in February 2023. Due to the nature of the potential contamination identified, seasonality was considered to not be significant with respect to assessing risks to future site receptors.

5.1.5 Develop a Decision Rule

Analytical data for potentially contaminated media was assessed against NSW EPA endorsed criteria as identified in **Section 6**. Statistical analysis of the soil data set was undertaken, if required, in accordance with relevant guidance documents.

The decision rules adopted to answer the decisions identified in **Section 5.1.2** are summarised in **Table 5.1**.

Table 5.1: Summary of Decision Rules

Decisions Required to be Made	Decision Rule
1. Are there any unacceptable risks to on-site future receptors from soils?	Statistical analysis of the data was completed in accordance with relevant guidance documents, as appropriate, to facilitate the decisions. The criteria in **Section 6.2**, and the following statistical criteria were adopted with respect to soils: Either: the reported concentrations were all below the site criteria; Or: no single analyte concentration exceeded 250 % of the adopted site criterion; and the standard deviation of the results was less than 50 % of the site criterion; And: the 95 % UCL of the average concentration for each analyte was below the adopted site criterion. If the statistical criteria stated above were satisfied, the answer to the decision is **No**. If the statistical criteria were not satisfied, the answer to the decision is **Yes**.
2. Are there any issues relating to the local area background soil concentrations that exceed appropriate criteria?	If the 95% UCL results exceed published background concentrations (background soil concentrations as detailed in Trace Element Concentrations Soils from Rural and Urban Areas of Australia (Henry Olzworthy Et Al. 1995[15]) the decision was **Yes**. Otherwise, the decision was **No**.
3. Are there any chemical mixtures?	Were there more than one group of contaminants present which increase the risk of harm? If there is, the answer to the decision was **Yes**. Otherwise, the answer to the decision was **No**.
4. Are there any aesthetic issues?	If there were any ACM fragments on the ground surface, any unacceptable odours or soil discolouration, or excessive extraneous/foreign/waste materials, the answer to the decision was **Yes**. Otherwise, the answer to the decision was **No**.

[15] *'Trace Element Concentrations in Soils from Rural and Urban Areas of Australia'*, Henry Olszowy *Et Al.*, (Henry Olszowy *et Al.* 1995)

Decisions Required to be Made	Decision Rule
5. Is there any evidence of, or potential for, migration of contaminants from the site?	Based on assessment results, was there any evidence of, or the potential for, migration of unacceptable contaminant concentrations to migrate from the site? If yes, the answer to the decisions was **Yes**. Otherwise, the answer to the decision was **No**.
6. Is a site management strategy required?	Is the answer to any of the above decisions Yes? If **Yes**, a site management strategy is required. If **No**, a site management strategy is not required.
7. Is the site suitable for the proposed hospital land use?	Is the answer to any of the above decisions Yes? If **Yes**, the site is not suitable for the proposed hospital land use without remediation/management. If **No**, the site is suitable for the proposed hospital land use.

5.1.6 Specify Limits of Decision Error

This step is to establish the decision maker's tolerable limits on decision errors, which are used to establish performance goals for limiting uncertainty in the data. Data generated during this project must be appropriate to allow decisions to be made with confidence.

Specific limits for this project have been adopted in accordance with the appropriate guidance from the NSW EPA, NEPC (2013), EPA (2017) and appropriate indicators of data quality (DQIs) established for the project as discussed below in relation to precision, accuracy, representativeness, comparability, completeness and sensitivity (PARCCS parameters). The acceptable limit on decision error is 95 % compliance with DQIs.

The DQIs and data assessment criteria are summarised in Table 5.2.

- **Precision** - measures the reproducibility of measurements under a given set of conditions. The precision of the laboratory data and sampling techniques is assessed by calculating the Relative Percent Difference (RPD) of duplicate samples.
- **Accuracy** - measures the bias in a measurement system. The accuracy of the laboratory data that are generated during this study is a measure of the closeness of the analytical results obtained by a method to the 'true' value. Accuracy is assessed by reference to the analytical results of laboratory control samples, laboratory spikes and analyses against reference standards.
- **Representativeness** – expresses the degree which sample data accurately and precisely represent a characteristic of a population or an environmental condition. Representativeness is achieved by collecting samples on a representative basis across the site, and by using an adequate number of sample locations to characterise the site to the required accuracy.
- **Comparability** - expresses the confidence with which one data set can be compared with another. This is achieved by maintaining a level of consistency in techniques used to collect samples; ensuring analysing laboratories use consistent analysis techniques and reporting methods.
- **Completeness** – is defined as the percentage of measurements made which are judged to be valid measurements. The completeness goal is determined by there being sufficient valid data generated during the study.
- **Sensitivity** – expresses the appropriateness of the chosen laboratory methods, including the limits of reporting, in producing reliable data in relation to the adopted site assessment criteria.

Table 5.2 Data Quality Indicators

Data Quality Indicators	Frequency	Data Quality Criteria
Precision		
Split duplicates (intra laboratory)	1/20 samples[1]	<50% RPD[1]
Blind duplicates (inter laboratory)	1/20 samples[1]	<50% RPD[1]
Laboratory Duplicates	1/20 samples	<50% RPD[1]
Accuracy		
Surrogate spikes	All organic samples	70-130%
Laboratory control samples	1 per lab batch	70-130%
Matrix spikes	1 per lab batch	70-130%
Representativeness		
Sampling appropriate for media and analytes	All samples	-[2]
Samples extracted and analysed within holding times.	-	Soil: organics (14 days), inorganics (6 months)
Laboratory Blanks	1 per lab batch	< Laboratory Limit of Reporting (LOR)
Trip spike	1 per lab batch	70-130% recovery
Storage blank	1 per lab batch	<LOR
Rinsate sample	1 per sampling event when non-disposable sampling equipment used	<LOR
Comparability		
Standard operating procedures for sample collection & handling	All samples	All samples
Standard analytical methods used for all analyses	All chemical samples	National Association of Testing Authorities (NATA) accreditation
Consistent field conditions, sampling staff and laboratory analysis	All samples	All samples[2]
Limits of reporting appropriate and consistent	All samples	All samples[2]
Completeness		
Sample description and COCs completed and appropriate	All samples	All samples[2]
Appropriate documentation	All samples	All samples[2]
Satisfactory frequency and result for QC samples		95% compliance
Data from critical samples is considered valid	-	Critical samples valid
Sensitivity		
Analytical methods and limits of recovery appropriate for media and adopted Site assessment criteria	All samples	LOR≤ Site assessment criteria

[1] If the RPD between duplicates is greater than the pre-determined data quality indicator, a judgment was made as to whether the excess is critical in relation to the validation of the data set or unacceptable sampling error is occurring in the field.
[2] A qualitative assessment of compliance with standard procedures and appropriate sample collection methods was completed during the DQI compliance assessment.

5.2 Optimise the Design for Obtaining Data

5.2.1 Soil Investigation Program

The investigation area is approximately 1,200 m^2 in size. The proposed sampling regime suggests 8 sample locations in total with 6 systematic locations and 2 targeted locations. Within each systematic grid, samples were targeted towards AECs identified within the desktop review and/or site inspections. The soil sampling approach satisfies NSW EPA (2022) *Sampling Design Guidelines.*

See **Figure 3** for approximate area represented by these locations.

Sample locations were surveyed using a Trimble GPS which has an accuracy of sub-1 m. GPS data were used to plot the borehole locations on a site plan, as well as being presented in a tabular format to enable investigation locations to be located, if required, during subsequent remedial works.

5.2.2 Soil Sampling Methodology

Soil sampling was generally completed via test pit sampling using an excavator (KW-B1 to KW-B4 and KW-B6 to KW-B8). Due to limitations in using the excavator bucket, a solid flight auger attached to an excavator was used at one sample location (KW-B5).

Soil samples were collected at surface (0-0.1 m), 0.3 m, 0.5 m and then at 0.5 m to 1 m intervals to a maximum depth of 1 m or 0.5 m into natural materials (or prior refusal), whichever was the shallower. During the collection of soil samples, features such as seepage, discolouration, staining, odours and other indicators of contamination were noted. Soil samples were screened for potential volatile organic compounds (VOCs) using a portable photoionisation detector (PID).

Visual inspection of excavated material was undertaken at each location for the presence of discolouration, ACM or other indications of potentially contaminated materials. Where identified, the observations were recorded on field logs, which are presented in **Appendix I.**

Disturbance of the soil sample was minimised where possible during sample collection and placement with laboratory supplied sample containers to reduce the potential for release of volatile organic contaminants. A calibrated Photo Ionisation Detector (PID) was utilised to screen for volatile organic compounds (VOCs) within the sampled material.

Soil samples destined for laboratory analysis were immediately transferred to laboratory supplied sample jars and sealed with a Teflon-lined screw closure or placed into asbestos sample bags. The sample containers were then placed in a pre-cooled insulated box for sample preservation prior to and during shipment to the testing laboratory. Preservation of the primary soil and QA/QC samples obtained during this investigation were completed in accordance with recognised protocols (NEPC 2013).

The samples were transported under standard JBS&G chain-of-custody protocols to the National Association of Testing Authority (NATA) registered laboratories, Eurofins|mgt Pty Ltd (Eurofins) and Envirolab Services Pty Ltd (Envirolab).

Not all samples collected were analysed. Selected samples were analysed in accordance with the analytical schedule (**Table 5.3**). However, all samples remain at the primary laboratory for a period of two months. This allows for future analysis to be completed in the event that further information is required to characterise site conditions, provided that proposed analytes remain within analytical holding times.

5.3 Asbestos Quantification of Accessible Fill Based Soils

Asbestos quantification at soil sampling locations was completed in general accordance with the procedures included in NEPC (2013) as derived from DOH (2009[16]) guidance by appropriately trained JBS&G scientist experienced in the identification of asbestos. The following method was adopted during test pitting / borehole drilling works:

- At each sample location, a minimum 20 litre sample of material from each 1 m depth interval/fill profile was spread at a thickness of not more than 100 mm onto the contrasting colour material. All observable bonded ACM and FA per sample location was collected in separate sample bags (i.e., one sample bag for bonded ACM and one sample bag for FA per each 1 m interval) for weighing using an independently calibrated scale (0.01 g accuracy) to enable asbestos soil concentrations to be calculated. The approximate mass of the soil volume was calculated using a soil density of 1.64 g/cm^3, which is taken as the average of the predominant fill types being sand with some clay fines.
- At least one 500 mL sample from each interval/fill layer from each location was analysed for asbestos in accordance with AS 4964-2004: Method for the Qualitative Identification of Asbestos in Bulk Samples.
- Bonded ACM and/or FA collected and bagged from each depth interval was weighed in-house using a calibrated scale with an accuracy of 0.01 g and the measured weight recorded on the field bore hole logs.
- A field observation log for each sampling location was recorded, noting the presence, type and status or absence of asbestos, ground surface details (e.g., exposed soils or grass) lithological description, moisture, volume of spoil quantified at each depth and any other observable contamination indicators such as staining, malodorous materials, ash and slag.

5.3.1 Calculation of Bonded ACM and FA Concentration

Asbestos percentage will be calculated as per the formula below:

$$\%w/w\ asbestos\ in\ soil = \%\ asbestos\ content\ x \frac{(bonded\ ACM\ or\ FA)(kg)}{soil\ volume\ (L)\ x\ soil\ density\ (kg/L)}$$

For bonded ACM, an asbestos content of 15% will be used, in accordance with enHealth (2013[17]).

For FA, a conservative asbestos content of 100% will be used.

5.4 Soil Field PID Screening

Samples collected during the JBS&G sampling event were screened on site using a photo-ionisation detector (PID) to assess the potential presence of VOCs including petroleum hydrocarbons. Samples obtained for PID screening were placed in a sealed plastic bag for a period of approximately five minutes to equilibrate, prior to a PID being attached to the bag. Readings were then monitored for a period of approximately one minute or until values stabilise and the stabilised/highest reading were recorded on the borehole logs. PID screening results were recorded on the field observation logs included as **Appendix I**. PID calibration records are included in **Appendix J**.

5.5 Decontamination

Prior to the commencement of soil sampling activities, non-disposable sampling equipment was cleaned with deionized water/detergent spray, rinsed with tap water and then air dried. The equipment was then inspected

[16] WA DOH (2009) *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia*, WA Department of Health.

[17] *Asbestos, A guide for householders and the general public, enHealth, February 2013 (enHealth 2013).*

to ensure that no soil, oil, debris or other contaminants were apparent on the equipment prior to the commencement of works.

A rinsate sample was obtained from non-disposable sampling equipment, following completion of field sampling activities to determine the effectiveness of the decontamination procedures implemented on re-usable sampling equipment.

5.6 Duplicate and Triplicate Sample Preparation

At selected sample locations, sufficient soil was collected to provide a primary, blind (intra-laboratory) duplicate and split (inter-laboratory) duplicate (triplicate) samples. The collected soil samples were divided laterally into three samples with minimal disturbance to reduce the potential for loss of volatiles and placed in three clean glass jars and sample bags as appropriate. Soil samples were not homogenised in order to minimise the loss of volatiles.

Each sample was labelled with primary, duplicate or triplicate sample identification before being placed in the same chilled esky for transport to the laboratory.

5.7 Laboratory Analysis

JBS&G contracted Eurofins as the primary laboratory for the required chemical analyses with the secondary laboratory as Envirolab. Both laboratories are NATA accredited for the required analyses. In addition, the laboratories were required to meet JBS&G's internal quality assurance/quality control (QA/QC) requirements. The completed analysis schedule is summarised in **Table 5.3.**

Table 5.3 Analytical Schedule

Sample Type	No. of Sampling Locations	Analyses (exc. QAQC)
Soil	8 locations	Asbestos – 13 samples Heavy metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn) – 16 samples Total Recoverable Hydrocarbons/Benzene, Toluene, Ethylbenzene and Xylene (BTEX) - 11 samples Polycyclic Aromatic Hydrocarbons (PAHs) – 16 samples Organochlorine Pesticides (OCPs)/Polychlorinated Biphenyls (PCBs) – 11 samples VOCs - 11 samples Ecological parameters per NEPC 2013 – 2 samples Toxicity Characteristic Leaching Procedure (TCLP) – 11 sample

To address the DQIs, field duplicate and triplicate soil samples were analysed at a rate of one per 20 primary samples. A rinsate sample was also obtained from non-disposable sampling equipment at the completion of sampling activities. Trip spike and trip blank samples were also analysed for BTEX and accompanied the sampling events.

6. Assessment Criteria

6.1 Regulatory Guidelines

The following guidelines are applicable to this investigation:

- *National Environment Protection* (*Assessment of Site Contamination*) *Measure 1999*, as amended 2013, National Environment Protection Council (NEPC 2013);
- *Contaminated Land Guidelines: Sampling Design Part 1 – Application*, NSW EPA, 2022 (EPA 2022)
- *Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme*, 3rd Edition, NSW EPA, 2017 (EPA 2017);
- *Consultants Reporting on Contaminated Land*, NSW EPA, April 2020 (EPA 2020a);
- *Guidelines for the Assessment Remediation and Management of Asbestos-Contaminated Sites in Western Australia*, May 2009. Western Australia Department of Health (WA DOH 2009); and
- *Waste Classification Guidelines Part 1: Classifying Waste*, NSW EPA, 2014 (EPA 2014).

6.2 Assessment Criteria Selection

As per the decision process for assessment of urban development site (EPA 2017), a set of health and ecological assessment thresholds derived from NEPC (2013) or other EPA endorsed guidelines was used for evaluation of site contamination data collected for this assessment.

The hospital land use represents a scenario that does not fall under the standard land use scenarios presented in NEPM (2013). Schedule B7 of NEPM (2013) states "the HILs developed for the commercial/industrial land use scenario are not applicable to a site used frequently by more sensitive groups such as children (within childcare centres, hospitals and hotels) and the elderly (within hospitals, aged care facilities and hospitals)." Given that children, elderly and other sensitive sub-populations (such as patients with immunosuppression and pre-existing illness) are frequent users of the site, a more sensitive land use scenario is required to be adopted. On this basis, NEPC (2013) criteria for Residential B land use setting were adopted as the site assessment criteria. Aesthetics were also considered in the assessment of site suitability consistent with EPA (2017) and NEPC (2013).

The site assessment criteria are presented on **Table A** and summarised as follows:

- Health based investigation levels (HILs) for residential with minimal soil access land use (HIL B);
- Health screening levels (HSLs) for vapour intrusion for residential with minimal soil access land use, for clay soil types (HSL B);
- HSLs for direct contract for intrusive maintenance worker;
- HSLs for asbestos in soil for residential with minimal soil access land use (HSL B);
- Ecological investigation levels (EILs) for residential with minimal soil access land use, site specific;
- Ecological screening levels (ESLs) for residential with minimal soil access land use, fine soil; and
- Management limits for TRH fractions for residential with minimal soil access land use, for fine soil types.

Site-specific EILs for some metals were calculated consistent with NEPC (2013), using average site specific data pH = 7.7 pH units, total organic carbon (TOC) = 0.8 %, clay percentage = 1.1% and cation exchange capacity (CEC) = 19.3 meq/100g), as presented in **Table A**. NEPC (2013) states that that EILs apply principally to contaminants in the top 2 m of soil at the finished surface/ground level which corresponds to the root zone and habitation zone of many species. In arid regions, where the predominant species may have greater root penetration, specific considerations may result in their application to 3 m depth.Aesthetics were also considered in the assessment of site suitability consistent with EPA (2017) and NEPC (2013).

6.3 Preliminary Waste Classification

Soil data was compared to criteria in the *Waste Classification Guidelines* (EPA 2014) to provide a preliminary assessment of potential waste classification in the event soil may be required to be removed from site for disposal. Soil only requires classification as a waste where it has to be removed from site, at which time waste classification should be confirmed prior to removal, including additional sampling and analysis and specific waste classification documentation as appropriate.

Initially, data is assessed against the special waste criteria, primarily for the presence of asbestos then, where soils are not pre-classified, comparison of soil chemical analytical data against EPA (2014) contaminant thresholds (CT), specific contaminant concentrations (SCC) and toxicity characteristic leaching procedure (TCLP) criteria for general and restricted solid waste.

7. Quality Assurance and Quality Control

7.1 QA / QC Results

The QA/QC results for soil samples collected at the site are summarised in **Table 7.1** and discussed in **Section 7.2** below. Detailed QA/QC results are included in the laboratory reports in **Appendix K** and QA/QC summary tables in **Appendix L**.

Table 7.1: Data Quality Indicator Assessment

Data Quality Indicator	Results	DQO met?
Precision		
Soil blind duplicates (intra laboratory)	Chemical samples 0-135% RPD Asbestos non-detection agreement with primary sample Soil duplicates were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Soil split duplicates (inter laboratory)	Chemical samples 0-147 % RPD Asbestos non-detection agreement with primary sample Soil duplicates were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Laboratory Duplicates	0-200 % RPD	Partial[1]
Accuracy		
Surrogate spikes	22-124% recovery	Partial[1]
Laboratory control samples	72-130% recovery	Yes
Matrix spikes	71-126% recovery	Yes
Representativeness		
Sampling appropriate for media and analytes	All sampling appropriate	Yes
Samples extracted and analysed within holding times.	All primary and duplicate samples were extracted and analysed within the nominated holding times.	Yes
Method blank	<LOR	Yes
Trip spike	56-100 % recovery	Partial[1]
Trip blank	<LOR	Yes
Field/Rinsate blanks	<LOR	Yes
Comparability		
Standard operating procedures for sample collection & handling	Standard procedures for all sampling	Yes
Standard analytical methods used for all analyses	Standard analytical methods used.	Yes
Consistent field conditions, sampling staff and laboratory analysis	Standard operating procedures were conducted throughout the works. Field conditions remained the same throughout the works. The primary and secondary labs remained consistent throughout the investigation.	Yes

Data Quality Indicator	Results	DQO met?
Limits of reporting appropriate and consistent	Limits of reporting were consistent and appropriate.	Yes
Completeness		
Soil description and COCs completed and appropriate	All bore logs, field monitoring sheets and COCs were completed appropriately.	Yes
Appropriate documentation	All appropriate field documentation is included in the Appendices.	Yes
Satisfactory frequency and result for QC samples	The QC results are considered adequate for the purposes of the investigation.	Yes
Data from critical samples	Samples were analysed at locations where potential for contamination was observed.	Yes
Sensitivity		
Analytical methods and limits of recovery appropriate for media and adopted site assessment criteria	Analytical methods and limits of recovery were considered appropriate for media and adopted site assessment criteria for all soil and groundwater analytes.	Yes

1. See discussion of DQI exceedances in **Section 7.2**.

7.2 QA/QC Discussion

7.2.1 Precision

Soil Blind Duplicates (intra laboratory)

The RPDs for the intra-laboratory duplicates are presented in **Appendix L.** Intra-laboratory duplicates for soil were generally collected at a rate of greater than 1 per 20 primary samples analysed. Soil RPDs were calculated according to the NEPC (2013) guidelines and all within the JBS&G acceptable limit (0-50%) with the exception of:

- Cadmium (100%) between KW-B8_0.2-0.4 and DUP06;
- Zink (57%) between KW-B8_0.2-0.4 and DUP06; and
- C10-C36 Fraction (Sum of Total) (82%) between KW-B8_0.2-0.4 and DUP06; and
- DDT+DDE+DDD (135%) between KW-B8_0.2-0.4 and DUP06.

High RPDs in the blind duplicates for heavy metals can be expected when analyte concentration is close to the LOR and/or when material is heterogeneous. On this basis, the data has met the DQIs for the duplicates and the elevated RPDs are considered a result of field/soil characteristics and not laboratory precision errors. As such, they do not to affect the overall reliability or precision of the data. The elevated RPDs presented for both intra-laboratory duplicates are considered to be acceptable on the basis that the reported concentrations are within 10 times the LOR, therefore any RPD is acceptable.

The elevated RPDs for C10-C36 Fraction (Sum of Total) and DDT+DDE+DDD are considered to be a result of the relatively low concentrations of the compounds reported in the samples and/or the result of heterogeneity in the soil samples collected. The elevated RPD results are not considered to influence the outcome of the investigation as the highest primary or duplicate values have been considered in the interpretation of the data.

Soil Blind Triplicates (inter laboratory)

Intra-laboratory duplicates for soil were generally collected at a rate of greater than 1 per 20 primary samples analysed. Soil RPDs were calculated according to the NEPC (2013) guidelines and all within the JBS&G acceptable limit (0-50%) with the exception of:

- Chromium (III+VI) (57%) between KW-B4_0.1-0.3 and SPLIT04;
- Lead (62%) between KW-B4_0.1-0.3 and SPLIT04;
- PAHs (Sum of total) (89%) between KW-B4_0.1-0.3 and SPLIT04;
- Zink (55%) between KW-B8_0.2-0.4 and SPLIT06;
- Fluoranthene (89%) between KW-B8_0.2-0.4 and SPLIT06;
- Pyrene (82%) between KW-B8_0.2-0.4 and SPLIT06; and
- PAHs (Sum of total) (147%) between KW-B8_0.2-0.4 and SPLIT06.

The RPDs for the inter-laboratory duplicates are presented in **Appendix L.** The elevated RPDs are considered to be the result of heterogeneity in the soil samples collected and low reported concentrations close to the laboratory LOR. The elevated RPD results are not considered to influence the outcome of the investigation as the highest primary or triplicate values have been considered in the interpretation of the data.

Laboratory Duplicates

Laboratory duplicate soil samples were analysed by the testing laboratory at a rate greater than 1 per 20 primary soil samples. The results of analysis for the laboratory duplicate soil sample were generally within the laboratory acceptance criteria of 0-30 %, except for total organic carbon (200%). However, the laboratory reported that the elevated RPD was within the NATA accredited laboratory acceptance criteria. On this basis the DQIs for precision are considered to have been achieved for this investigation, noting that total organic carbon concentrations are not used to assess potential site contamination.

7.2.2 Accuracy

Surrogate Spikes

The surrogate spikes samples have been reported for analysis of all organic constituents. 37 total surrogate spike samples were reported outside the laboratory lower confidence limit (LCL) of 70 %, with variation ranging from 22 % to 124 %. It is noted that the recovery percentages were within the NATA accredited lab method acceptance range for surrogate spike recoveries, which is 20-130 %.

On this basis, the surrogate spike recovery non-conformances are not considered to have affected the accuracy of the data.

Matrix Spikes

The number of matrix spikes analysed exceeded the required frequency of 1 in 20 samples. The reported matrix spike recoveries were within JBS&G's preferred range (70-130 %).

Laboratory Control Samples

All laboratory control samples (LCS) were reported as having recoveries within the JBS&G acceptable range of 70-130%.

7.2.3 Representativeness

Sampling appropriate for media and analytes

All sampling works completed during the investigation were conducted in accordance with JBS&G standard operating procedures as outlined in **Section 5**. Sample locations were undertaken for the purposes of visual inspection and/or olfactory assessment of soil/rock conditions and the collection of samples was considered appropriate for identified COPC.

All samples were collected wearing a new pair of disposable nitrile gloves. Where possible, disturbance of the sample was minimised during placement within the laboratory supplied sample container and during shipment to reduce the potential for loss of VOCs within the samples.

Samples extracted and analysed within holding times

Samples were extracted and analysed within holding times with exception of VOCs as vinyl chloride, styrene and 2-chloroethyl vinyl ether where extraction was completed greater than 7 days after the samples were collected (extraction ranged from 8-12 days from sampling), however, . all samples were placed directly on ice within chiller boxes prior to shipment to the laboratory. All samples at the laboratory were stored under controlled (chilled) conditions prior to sample extraction thus minimising the potential for any volatile release. In addition, the CSM did not identify a high risk of presence of the above VOCs, therefore the marginal holding time exceedances are not considered to impact the efficacy of the data.

All other analytes were extracted and analysed within the recommended holding times.

Trip spikes

Trip spike was prepared and analysed for each batch of volatile samples which is appropriately representative of the extent of sampling and analysis completed. Spike recoveries were reported to be within the DQI range and/or the laboratory specified acceptable limits as per the method NATA accreditation with the exception of some BTEX compound recoveries below 70%. Additionally, samples were received by the laboratory in a chilled condition and were immediately transferred to chilled containers in the field. All measures were taken to eliminate the potential for loss of volatile contaminants by appropriately experienced field personnel. Therefore, the minor loss in volatiles are not considered to alter the outcome of the assessment.

Trip blanks

A storage blank sample was carried during the characterisation soil sampling event and was submitted with the laboratory batch, meeting the overall nominated frequency thresholds. There were no reported concentrations of BTEX compounds above the laboratory LOR, achieving the nominated DQIs.

Rinsate Blanks

Rinsate samples were prepared during the sampling event and subsequently submitted with the sample lab batch for analysis for key COPC with results reported below laboratory LOR.

In general, based on the results of the assessment, sufficient data has been collected to confidently demonstrate adequate decontamination procedures.

7.2.4 Comparability

Eurofins, the primary laboratory, and Envirolab, the secondary laboratory, were NATA accredited for all analytical methods used. The laboratories used similar analytical methods and the analytical data was considered to be comparable between the laboratories as indicated by the results of inter-laboratory duplicate analyses. Where different LORs were adopted by the laboratories, the primary laboratory typically had a lower LOR than the secondary laboratory, and as such, consideration of the data set was not impacted.

Furthermore, the samples collected for assessment/characterisation purposes are considered comparable as all samples were collected by experienced JBS&G personnel in accordance with standard JBS&G sampling methods.

7.2.5 Completeness

Samples were transported under full chain of custody (COC) documentation. The COC documentation was completed and the selected analyses were correctly conducted.

All field documentation was completed appropriately including test pit logs, COCs, daily field logs, groundwater sampling sheets and calibration and decontamination sheets (PID).

7.2.6 Sensitivity

Laboratory analysis methods for all contaminants adopted during the investigation generally used limits of reporting significantly less than the site assessment criteria to ensure the contaminant concentrations could be confidently identified as being less than the adopted site assessment criteria.

The laboratory LORs for PAH compounds, anthracene and benzo(a)pyrene in groundwater were equivalent to the site assessment criteria. However, given the absence of significant PAH contamination in soil across the site, the LORs are not considered to alter the outcome of the assessment.

7.3 QA/QC Assessment

The field sampling and handling procedures across the site produced QA/QC results which indicate that the investigation data collected is of an acceptable quality.

The NATA certified laboratory results sheets indicate that the project laboratory was generally achieving levels of performance within its recommended control limits during the period when the samples of this program were analysed.

On the basis of the results of the field and laboratory QA/QC program, the soil data are of an acceptable quality upon which to draw conclusions regarding the environmental condition of the site.

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8. Results

8.1 Soil Observations

Soil sampling was conducted on 2-3 February 2023 at the sample locations shown on **Figure 3**. Photograph are included as **Appendix B**. Investigation logs are included in **Appendix I**.

The soil investigation comprised sampling at a total of 8 locations, advanced via a combination of testpit by excavator and borehole by solid flight auger (SFA). A summary of soil conditions present at the site is provided is as follows.

Fill material encountered at the site primarily comprised of sand with minor to moderate inclusions of gravel and anthropogenic inclusions, such as tile and brick fragments, cobbles, glass, plastic wood and pipe, to a maximum depth of 1.0 m bgs. Fill material was underlain by natural red/brown sand ranging from 0.3 m bgs to 1 mbgs. Refusal upon hard rock, presumed natural, was encountered in seven of the eight sample locations.

PID readings (0.0-0.1 ppm) from sampled soils indicated no significant sources of hydrocarbon/VOC contamination existing within site soils. No odours or staining indicative of chemical contamination was observed in the soil profile at any of the investigation locations.

ACM fragments were observed during the AQ assessment at test pit locations KW-B3 and KW-B7 (**Section 8.2.7**).

8.2 Soil Analytical Results

Detailed laboratory reports and chain of custody documentation are provided in **Appendix K**. Summarised soil laboratory results are presented in **Table A** and discussed in the following sections.

8.2.1 Heavy Metals

The concentrations of heavy metals in fill and natural clay soil samples selected for analyses were all less than the human health site assessment criteria and were generally below the ecological criteria with exception of:

- Concentrations of zinc exceeded the EIL (750 mg/kg) in one sample, DUP06 (880 mg/kg) which was the duplicate sample of KW-B8_0.2-0.4; and
- Concentration of lead exceeded the HIL (1,200 mg/kg) and EIL (1,100 mg/g) in one sample, KW-B3_0.1-0.2 (16,000 mg/kg), suggestive of possible metalliferous material within inclusions in the fill at this location. The maximum concentration in the sample immediately below at 0.25-0.3m was 180 mg/kg and below the HIL and EIL.

8.2.2 PAHs

The concentrations of PAHs in fill and natural clay soil samples selected for analyses were all less than the human health site assessment criteria and were generally below the ecological criteria with exception of:

- Concentration of BaP exceeded the adopted generic ESL (0.7 mg/kg) in three samples KW-B3_0.25-0.3 (1.8 mg/kg), KW-B7_0.2-0.3 (0.9 mg/kg) and KW-B7_0.5-0.6 (0.7mg/kg).

8.2.3 TRH and BTEX

Concentrations of TRHs in all analysed samples were reported to be below the laboratory LOR and/or less than the adopted health and ecological based site assessment criteria.

Concentrations of BTEX in all analysed samples were reported below the laboratory LOR and adopted assessment criteria.

8.2.4 PCBs

Concentrations of PCBs in all samples selected for analysis were reported below the laboratory LOR and adopted assessment criteria.

8.2.5 OCPs

Concentrations of OCPs in all analysed samples were reported to be below the laboratory LOR and/or less than the adopted health and ecological based site assessment criteria.

8.2.6 VOCs

Concentrations of VOCs in all analysed samples were reported below the laboratory LOR and adopted assessment criteria.

8.2.7 Asbestos

Bonded ACM (Field Asbestos Quantification)

Bonded ACM was observed in two samples during field asbestos quantification, with concentrations of 0.002% w/w in sample KW-B3_0.0-0.4A and 0.007% w/w in sample KW-B7_0.0-0.6A. The results in both samples were below the adopted criterion for bonded ACM (0.04% w/w). Laboratory analyses of two ACM fragments confirmed the presence of chrysotile asbestos. No ACM was observed at the surface (0-0.1 mbgs) portion of the 20L AQ samples completed.

Field asbestos quantification details (at locations where asbestos was identified) are summarised in **Table 8.1** below. Bonded ACM was not observed in all other asbestos quantifications. f

Table 8.1: Field Asbestos Quantification Results

Sample ID	General Location	Approx. Volume of Soil (L)	Mass ACM (g)	Mass Asbestos in ACM (g)	Asbestos from ACM in soil (% w/w)
KW-B3_0.0-0.4A	Western portion of the KWA area	20	4	0.6	0.002
KW-B7_0.0-0.6A	Southeastern portion of KWA area	20	16	2.4	0.007

Bonded ACM (Laboratory Analysis)

Bonded ACM was not detected in any samples during laboratory analysis.

Asbestos Fines and Fibrous Asbestos (AF/FA)

No FA was observed during field quantification sampling. AF/FA was detected in SPLIT05 (triplicate of KW-B1_0.0-0.5), below the adopted criteria of 0.001 % w/w. No other AF/FA was detected above the reporting limit within samples analysed by the laboratory.

8.3 Preliminary In-Situ Waste Classification

Soil observations and analytical results were assessed with consideration to EPA (2014) *Waste Classification Guidelines* General Solid Waste (GSW) criteria, with preliminary findings presented in **Table B**. Detailed laboratory reports and chain of custody documentation are provided in **Appendix K**.

The majority of chemical contaminant concentrations were reported below the GSW contaminant thresholds (CT1), with the exception of lead in eighteen samples, including fourteen primary samples, with concentrations ranging from 130 mg/kg to 16, 000 mg/kg. Of these results, eleven samples exceeded the GSW CT1 threshold (100 mg/kg), two exceeded restricted solid waste (RSW) CT2 (400 mg/kg) and one sample was in exceedance of RSW SCC2 (6000 mg/kg).

Nickel concentration was reported above CT1 criterion (40 mg/kg) in sample KW-B3_0.1-0.2. Benzo(a)pyrene was reported above CT1 criterion (0.8 mg/kg) in samples KW-B3_0.25-0.3 and KW-B7_0.2-0.3.

It is noted that the majority of these concentrations are below the GSW SCC1 when combined with leachability test results as described below.

The samples with the highest concentration for lead were subject to Toxicity Characteristic Leaching Procedure (TCLP) analysis, with results generally below the GSW TCLP1 criterion, as presented in **Table C**, with the exception of lead in sample KW-B3_0.1-0.2, in exceedance of the TCLP1 criterion (5 mg/L) at 5.9 mg/L.

Given the exceedance of sample KW-B3_0.1-0.2 was <250% of the GSW TCLP1 criterion, the site data of leachable lead concentrations for fill material was statistically assessed using the 95 % UCL in accordance with EPA (2014) and NEPC (2013). The samples utilised for the statistical assessment were all derived from similar fill material which generally comprised a gravelly sand matrix. The number of samples used in the assessment was 10 (n=10); the maximum detectable value was 5.9 mg/L and the minimum value was 0.06 mg/L. The standard deviation of the statistical assessment was 2.051 mg/L, less than 50% of the GSW TCLP1 criterion. As such, the data set is considered suitable for statistical assessment. The 95% UCL for lead concentrations in fill material at the site was assessed as 4.095mg/L, below the applicable GSW TCLP1, and calculations are provided in **Appendix M**.

Due to the heterogeneity of fill materials with inclusions of anthropogenic and asbestos, the results indicate that should fill material require off-site disposal, it may be classified as GSW Special (Asbestos).Given that field observations noted the presence of slag within sample KW-B3_0.1-0.2, lead contamination in this sample is considered to be immobilised as per Clause 28 of the NSW EPA *POEO (Waste) Regulation (1996)*, and subject to the EPA immobilisation approval for slag-contaminated soils, as such the lead concentration at KW-B3 can be classified as General Solid Waste (GSW) based on the aforementioned statistical assessment on TCLP results alone, with Special (Asbestos) Waste applied, as discussed above.

Waste classification should be confirmed prior to removal of any soil from the site.

9. Site Characterisation

Based on the decision-making process for assessing urban redevelopment sites detailed in EPA (2017), the decisions required to be made are discussed below.

9.1 Are there any unacceptable risks to future onsite receptors?

9.1.1 Asbestos

ACM fragments were observed within two 20 L/AQs (KW-B03 and KW-B07), and FA/AF was detected at location KW-B1. Isolated fragments of bonded ACM and trace level friable asbestos, whilst not a concern from a long-term health exposure (contaminated land) assessment perspective, will require management from a Work, Health and Safety (WHS) perspective during future redevelopment activities across the site. The presence of ACM will require documentation within the site Asbestos Register where present within the KWA footprint.

9.1.2 Heavy Metals

Representative samples of soil analysed for identified contaminants of concern were reviewed against established site assessment criteria.

The concentration of lead in a single sample KW-B3_0.25-0.3 (16,000 mg/kg) significantly exceeded the HIL A criterion (1200 mg/kg)). Fill material in the vicinity KW-B3 is considered to pose an unacceptable risk that requires management or remediation.

In addition, the concentration of zinc was reported above the adopted EIL in one location, marginally exceeding the criterion (750 mg/kg). However, the exceedance is situated within the proposed KWA footprint, therefore there will be limiting access to ecological receptors. Furthermore, at the time of the inspection there were no visible adverse effects observed in vegetation in the area (i.e. no stressed grass/trees). As such, the zinc exceedances do not present an unacceptable ecological risk for hospital land use.

The concentrations of heavy metals in fill material and residual natural soil samples were otherwise reported below the adopted human health criteria and as such there are no unacceptable risks with regard to future site users.

9.1.3 PAHs

Concentrations of PAHs in soil samples were generally below the human health and ecological site criteria in all sampling locations with the exception of B(a)P reported in samples KW-B3_0.25-0.3, KW-B7_0.2-0.3 and KW-B7_0.5-0.6 with a concentration of 1.8 mg/kg, 0.9 mg/kg and 0.7 mg/kg respectively exceeding the adopted ecological (ESL) site criterion of 0.7 mg/kg.

CRC CARE (2017[18]) provides alternative ESLs for B(a)P than those provided in NEPC (2013). The alternative ESLs are based on higher reliability, species sensitivity distribution data than was used to calculate the ESLs provided in NEPC (2013). CRC CARE (2017) provides an alternative ESLs for B(a)P for residential/public open space use of 33 mg/kg. It is noted that upon review of CRC CARE (2017) by NSW Office of Environment and Heritage, Environment Protection Science Branch, an adjusted ESL was derived providing a value of 28 mg/kg for B(a)P, which has been adopted as the B(a)P ESL for the site.

The elevated B(a)P concentrations are all substantially below 28 mg/kg and thus do not present an unacceptable ecological risk for hospital land use.

9.1.4 Other COPCs

Concentrations of all other COPCs assessed were lower than LOR or less than then adopted site criteria and therefore are considered to not pose an unacceptable risk to site receptors.

9.2 Are there any issues relating to the local area background soil concentrations that exceed appropriate soil criteria?

Soil results in natural soil indicate there are no issues relating to local area background conditions that require consideration with respect to the suitability of the site.

9.3 Are there any impacts of chemical mixtures?

There were no potential chemical mixtures identified during the investigation that may pose an unacceptable contamination risk at the site with respect to future site users.

9.4 Are there any aesthetic issues at the site?

The investigation identified the presence of anthropogenic inclusions including tile and brick fragments, cobbles, glass, plastic wood and pipe in general site fill materials. However, the relative quantities of these inclusions in fill are such that they are not considered to pose an unacceptable aesthetic issue for the proposed land use, particularly given that the site surface across the proposed redevelopment will comprise of the KWA building and surface with imported landscaping materials, including soil and grass/shrubs/trees etc.

ACM fragments was identified at two sampling locations and trace level friable asbestos was identified at one sampling location. All concentrations were reported to be less than the health based long term exposure

[18] Technical Report No. 39 Risk-based management and remediation guidance for benzo(a)pyrene, CRC for Contamination Assessment and Remediation of the Environment, 2017 (CRC CARE 2017)

assessment criteria (HSL-B). If this fill is to be retained in the top 100 mm of soils, the ACM fragments are considered to pose an unacceptable aesthetic issue that will require management either by onsite containment or off-site disposal. All locations where ACM was identified were lower than 0.1 m bgs, therefore are not presenting a current aesthetic issue at the site requiring immediate management.

9.5 Is there any evidence of, or potential for, migration of contaminants from the site?

The potential for migration of COPCs from the site is generally considered to be low based upon the general absence of elevated chemical contaminants in soil, with the exception of lead at sample location KW_B3, which is in exceedance of the adopted GSW TCLP1. Given that field observations noted the presence of slag within sample KW-B3_0.1-0.2, lead contamination is considered to be generally immobilised as per Clause 28 of the NSW EPA *POEO (Waste) Regulation (1996)*.

Where ACM was reported in soil, the fragments were non-friable. No friable asbestos was detected above the LOR/site assessment criteria and as such fibre release and migration is considered to be a low risk under ambient site conditions. However, should ACM in soils become abraded during uncontrolled ground disturbance works, there is a potential for asbestos fibres to be released and become airborne where they could migrate to other areas of the site or offsite in dust.

9.6 Is a site management strategy required?

Based on the results of the investigation, it is considered that remediation or a site management strategy is required to address identified lead soil contamination and asbestos impacts.

9.7 Is the site suitable for the proposed hospital land use?

In order to make the site suitable for the proposed land use, a Remedial Action Plan (RAP) should be prepared for the KWA redevelopment, as indicated on the concept sketches (**Appendix A**), to manage the identified lead impacts in soils. An asbestos management plan (AMP) is also required to manage identified asbestos to meet Work Health and Safety (WHS) Regulations.

10. Conclusions and Recommendations

10.1 Conclusions

Based on the scope of work and subject to the limitations in **Section 11**, the following conclusions are made:

- The site history review identified that the site was historically as a hospital since the late 1800s;
- The review of historical site use information, previous reports and inspection of site conditions identified potential AECs and associated COPCs which were associated with potential importation of fill materials from unknown origins, hazardous materials associated with historical demolition, refurbishment and construction works, and the application of pesticides for maintenance of vegetated areas;
- Lead exceeded the adopted HILs in one location, requiring remediation in order to meet the requirements of the intended site land use;
- Bonded ACM was encountered within fill in two test pit locations and trace level friable asbestos was detected in one sample location, below the adopted HSLs. These impacts were greater than 0.1 m bgs in depth and are not considered to pose an aesthetic issue for the current site, however, will require future management from a WHS perspective during redevelopment;
- Concentrations of other COPCs were not identified at levels posing an unacceptable risk to human or ecological receptors relating to the proposed redevelopment of the site.
- No other significant aesthetic issues associated with contamination (odours or staining) were identified; and
- No soil background issues or chemical mixtures, or significant potential offsite migration risks were identified.

Based on the findings of the investigation, and subject to the limitations in **Section 11**, it is concluded that the site can be made suitable for the proposed ongoing hospital use subject to implementation of a Remediation Action Plan (RAP).

10.2 Recommendations

Based on the results of the investigation and subject to the limitations in **Section 11**, the following recommendations have been made:

- It is recommended that a RAP should be prepared for the redevelopment footprint to manage the identified lead in soil impacts. The report would address:
  - Data gaps to delineate the lateral extent of lead impacts at KW-B3 to identify future remedial extents;
  - Set remediation goals for potentially impacted media that will ensure the ongoing suitability of the land;
  - Typical site management controls including protocols to manage unexpected finds if encountered during any ground disturbance works associated with future site development; and
  - Remediation and validation actions including validation sampling, analysis and quality planning to enable the site to be considered suitable for proposed land use.
- It is recommended that a Redevelopment Asbestos Management Plan (RAMP) be prepared for the redevelopment footprint, detailing the safe implementation of the RAP in undertaking asbestos removal, as guided by the WHS regulatory framework (SafeWork NSW).

11. Limitations

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only, and has been based in part on information obtained from the client and other parties.

The advice herein relates only to this project and all results conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose.

JBS&G accepts no liability for use or interpretation by any person or body other than the client who commissioned the works. This report should not be reproduced without prior approval by the client, or amended in any way without prior approval by JBS&G, and should not be relied upon by other parties, who should make their own enquires.

Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the subsurface conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigations.

This report does not provide a complete assessment of the environmental status of the site, and it is limited to the scope defined herein. Should information become available regarding conditions at the site including previously unknown sources of contamination, JBS&G reserves the right to review the report in the context of the additional information.

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Figures

Legend:
- Broken Hill Hospital Boundary
- Broken Hill Hospital Redevelopment

JBS&G

Job No: 63879

Client: Health Infrastructure

Version: R03 Rev 0	Date 3/03/2023
Drawn By: LJ	Checked By: EA

Scale 1:10,000

0 100 200
metres

Coord. Sys. GDA 1994 MGA Zone 56

170-320 Thomas Street
Broken Hill, NSW

SITE LOCATION

FIGURE 1

File Name: 63879_BrokenHill_R03_Rev0
Reference: © OpenStreetMap (and) contributors, CC-BY-SA

Legend:

- Broken Hill Hospital Boundary
- NSW Cadastre

Site Features

- KWA Proposed Location
- Kincumber House

JBS&G

Job No: 63879

Client: Health Infrastructure

Version: R03 Rev 0	Date 3/03/2023
Drawn By: LJ	Checked By: EA

Scale 1:2,500

0 25 50

metres

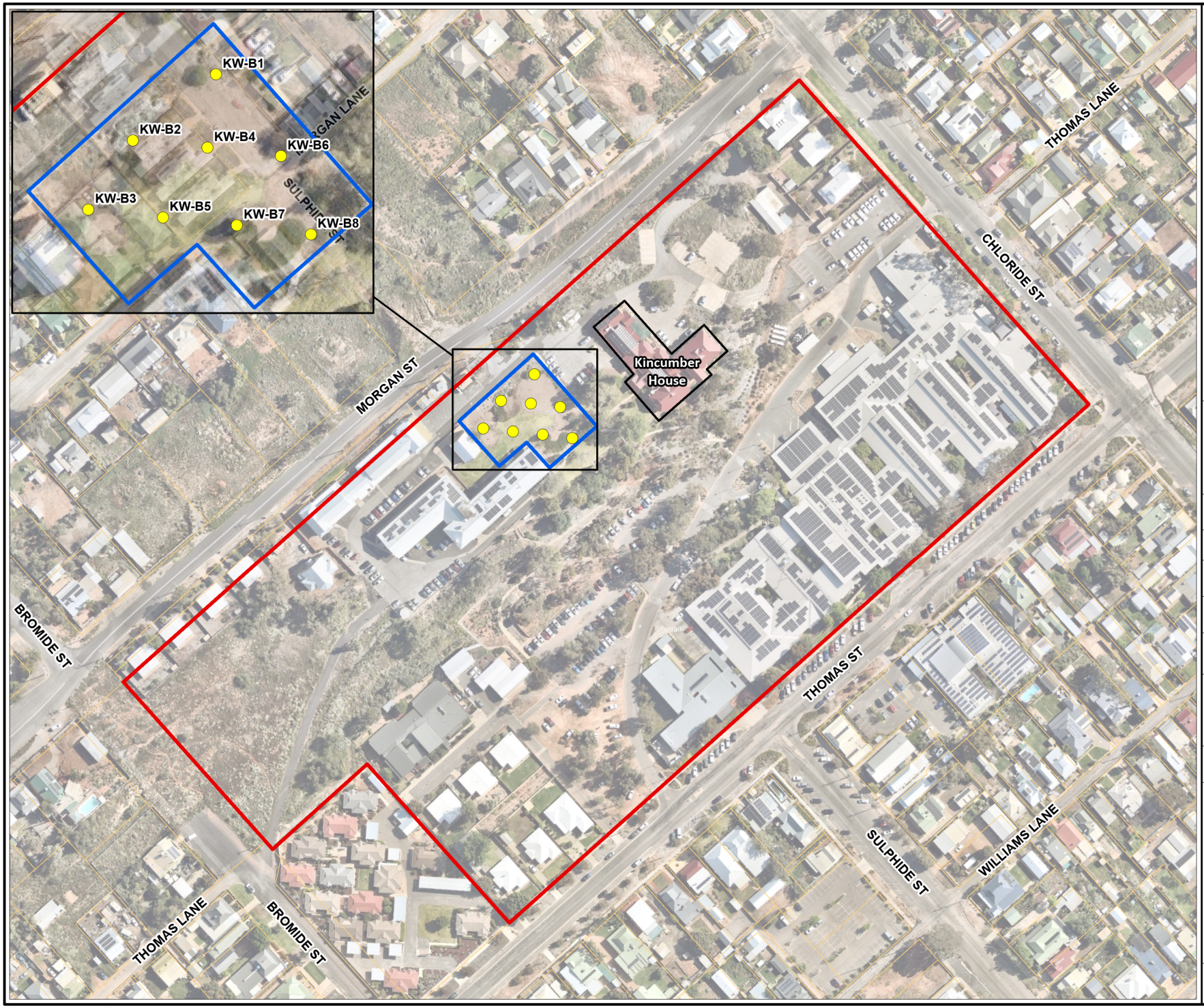
Coord. Sys. GDA 1994 MGA Zone 56

170-320 Thomas Street
Broken Hill, NSW

SITE LAYOUT

FIGURE 2

File Name: 63879_BrokenHill_R03_Rev0
Reference: Nearmap www.nearmap.com 20221017



Legend:

- Broken Hill Hospital Boundary
- NSW Cadastre

Site Features

- KWA Proposed Location
- Kincumber House

Sample Locations

- Sample Location

JBS&G

Job No: 63879

Client: Health Infrastructure

Version: R03 Rev 0	Date 3/03/2023
Drawn By: LJ	Checked By: EA

Scale 1:2,500

0 25 50

metres

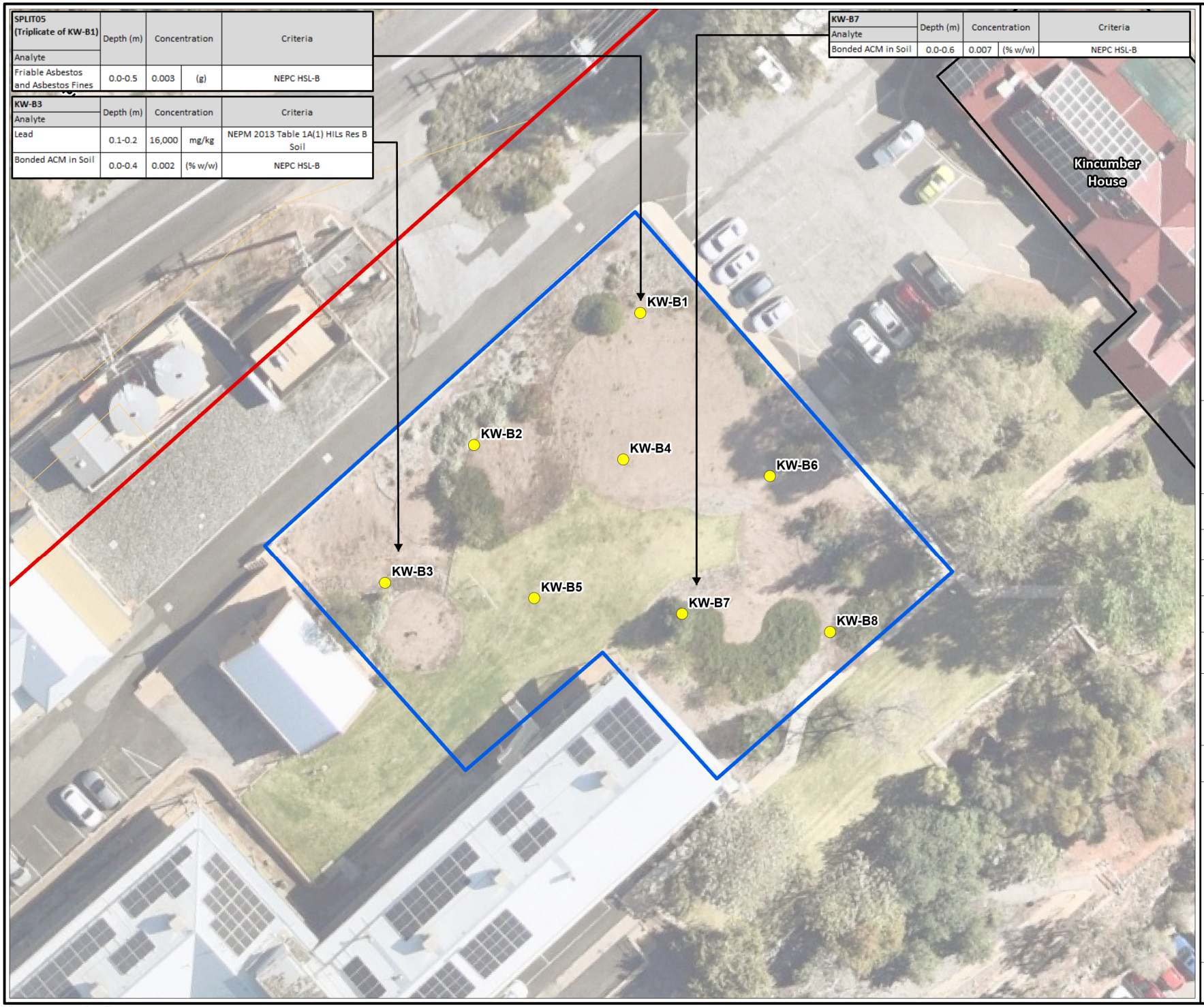
Coord. Sys. GDA 1994 MGA Zone 56

170-320 Thomas Street
Broken Hill, NSW

SAMPLE LOCATIONS

FIGURE 3

File Name: 63879_BrokenHill_R03_Rev0
Reference: Nearmap www.nearmap.com 20221017



SPLIT05 (Triplicate of KW-B1)	Depth (m)	Concentration		Criteria
Analyte				
Friable Asbestos and Asbestos Fines	0.0-0.5	0.003	(g)	NEPC HSL-B

KW-B3	Depth (m)	Concentration		Criteria
Analyte				
Lead	0.1-0.2	16,000	mg/kg	NEPM 2013 Table 1A(1) HILs Res B Soil
Bonded ACM in Soil	0.0-0.4	0.002	(% w/w)	NEPC HSL-B

KW-B7	Depth (m)	Concentration		Criteria
Analyte				
Bonded ACM in Soil	0.0-0.6	0.007	(% w/w)	NEPC HSL-B

Legend:

- Broken Hill Hospital Boundary
- NSW Cadastre

Site Features

- KWA Proposed Location
- Kincumber House

Sample Locations

- Sample Location

JBS&G

Job No: 63879

Client: Health Infrastructure

Version: R03 Rev 0 | Date 7/03/2023

Drawn By: LJ | Checked By: EA

Scale 1:500

0 10 20

metres

Coord. Sys. GDA 1994 MGA Zone 56

170-320 Thomas Street
Broken Hill, NSW

SOIL EXCEEDANCES

FIGURE 4

File Name: 63879_BrokenHill_R03_Rev0
Reference: Nearmap www.nearmap.com 20221017

Tables

Table A Soil Analytical Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

| | Metals & Metalloids | | | | | | | | | TRH | | | | | | | | BTEX | | | | | | | PAH | | | | | | | | |

Table A Soil Analytical Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

| | | | PCB | | | | | | | | | Organochlorine Pesticides | | | | | | | | |

Table A Soil Analytical Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

| | | | | VOC | | | |

Table A Soil Analytical Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

															Asbestos											
	Methyl Ethyl Ketone	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Hexachlorobutadiene	Carbon disulfide	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	FA and AF Estimation	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	g	g	g	g	% (w/w)	g	g	g	g	% (w/w)	g	Comment
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5												
NEPM 2013 Table 1A(1) HILs Res B Soil																									
NEPM 2013 Table 1B(1-5) Generic EIL - Urban Residential and Public Open Space																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Fine Soil																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Fine Soil																									
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																		0.04					0.001		
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Clay 0-1m																									
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Clay 1-2m																									
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Clay 2-4m																									
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Clay >4m																									
Field ID	**Sampled Date**	**Lab Report Number**																								
KW-B1_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B1_0.0-0.5 (Primary)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	627	0	0	-	0	0	0	0	0	0	0	Nil
SPLIT05 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	-	-	-	-	-	-	722	-	-	0.0025	0	-	-	-	-	<0.001	-	Nil
KW-B1_0.2-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	694	0	0	-	0	0	0	0	0	0	0	Nil
KW-B2_0.1-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	813	0	0	-	0	0	0	0	0	0	0	Nil
KW-B2_0.3-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	763	0	0	-	0	0	0	0	0	0	0	Nil
KW-B3_0.0-0.4A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	4	0	0	-	0	0	0	0	0	0	0	Chrysotile asbestos detected
KW-B3_0.1-0.2	3/02/2023	962621	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.25-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.3-0.4	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.4-0.5	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.0-0.1	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	1077	0	0	-	0	0	0	0	0	0	0	Nil
KW-B4_0.1-0.3 (Primary)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	940	0	0	-	0	0	0	0	0	0	0	Nil
DUP04 (Duplicate)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT04 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.2	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	696	0	0	-	0	0	0	0	0	0	0	Nil
KW-B5_0.4-0.5	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-1.0	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	558	0	0	-	0	0	0	0	0	0	0	Nil
KW-B6_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.5-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.0-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	1137	0	0	-	0	0	0	0	0	0	0	Nil
KW-B7_0.0-0.6A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	16	0	0	-	0	0	0	0	0	0	0	Chrysotile asbestos detected
KW-B7_0.2-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.5-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	811	0	0	-	0	0	0	0	0	0	0	Nil
KW-B8_0.2-0.4 (Primary)	3/02/2023	962621	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-
DUP06 (Duplicate)	3/02/2023	962621	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-
SPLIT06 (Triplicate)	2/02/2023	35779	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace a
#2 No asbestos detected.Organic fibres detected.No trace asbestos detected.
#3 Chrysotile and crocidolite asbestos detected.Organic fibres detected.
#4 Chrysotile asbestos detected.Organic fibres detected.
#5 No trace asbestos detected.
#6 Organic fibres detected.
#7 Site specific Ecological investigation levels were calculated, consistent with NEPC (2013) basec

Table B Waste Classification Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

			Heavy Metal								OCP																												
			Arsenic	Cadmium	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Nickel	Zinc	4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic
			mg/kg	mg/kg	mg/kg	mg/kg	MG/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			2	0.4	5	5	20	5	0.1	5	5	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.1	0.1
NSW 2014 General Solid Waste CT1 (No Leaching)			100	20	100			100	4	40																												
NSW 2014 General Solid Waste SCC1 (with leached)			500	100	1900			1500	50	1050																												
NSW 2014 Restricted Solid Waste CT2 (No Leaching)			400	80	400			400	16	160																												
NSW 2014 Restricted Solid Waste SCC2 (with leached)			2000	400	7600			6000	200	4200																												
Field ID	**Sampled Date**	**Lab Report Number**																																				
KW-B1_0.0-0.1	3/02/2023	962621	8.8	0.6	28	29	36,000	130	<0.1	22	210	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
KW-B1_0.0-0.5 (Primary)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT05 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B1_0.2-0.3	3/02/2023	962621	6.8	0.5	28	27	-	220	<0.1	20	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.0-0.1	3/02/2023	962621	<2	<0.4	19	12	-	28	<0.1	12	110	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
KW-B2_0.1-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.3-0.4	3/02/2023	962621	4.7	<0.4	22	21	-	84	<0.1	19	170	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
KW-B3_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.0-0.4A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.1-0.2	3/02/2023	962621	63	<0.4	32	130	-	16,000	0.1	88	320	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
KW-B3_0.25-0.3	3/02/2023	962621	2.5	<0.4	13	51	-	160	<0.1	12	170	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
KW-B3_0.25-0.3	3/02/2023	967191	-	-	-	-	-	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.3-0.4	3/02/2023	967191	-	-	-	-	-	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.4-0.5	3/02/2023	967191	-	-	-	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.0-0.1	3/02/2023	962621	2.9	<0.4	16	14	-	75	<0.1	11	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.1-0.3 (Primary)	3/02/2023	962621	5	1.3	27	20	-	360	<0.1	13	380	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
DUP04 (Duplicate)	3/02/2023	962621	4.8	1.3	17	17	-	500	<0.1	12	350	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
SPLIT04 (Triplicate)	2/02/2023	35779	<4	1	15	14	-	190	<0.1	9	260	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-
KW-B4_0.1-0.3A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.2	3/02/2023	962621	4.6	0.7	19	17	17,000	380	<0.1	7.8	210	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
KW-B5_0.1-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-0.5	3/02/2023	962621	2.4	<0.4	21	13	-	41	<0.1	10	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-1.0	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.0-0.1	3/02/2023	962621	9	1.1	28	29	-	200	0.1	28	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.5-0.6	3/02/2023	962621	10	0.8	21	22	-	250	<0.1	14	290	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.15	<0.05	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	0.2	<0.1
KW-B7_0.0-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.0-0.6A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.2-0.3	3/02/2023	962621	6.4	0.9	22	26	-	330	0.1	15	390	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
KW-B7_0.5-0.6	3/02/2023	962621	6.4	0.9	20	24	-	250	0.1	15	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.1	3/02/2023	962621	16	1.2	29	41	-	350	0.1	27	490	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
KW-B8_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.2-0.4 (Primary)	3/02/2023	962621	5	1	21	23	-	250	0.1	13	490	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.1	<0.1
DUP06 (Duplicate)	3/02/2023	962621	7.6	3	21	27	-	240	<0.1	16	880	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.11	0.08	0.26	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	0.26	<0.1
SPLIT06 (Triplicate)	2/02/2023	35779	5	0.5	16	28	-	300	0.1	9	280	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#2 No asbestos detected.Organic fibres detected.No trace asbestos detected.
#3 Chrysotile asbestos detected.Organic fibres detected.
#4 No trace asbestos detected.
#5 Organic fibres detected.

Table B Waste Classification Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

			Organic									PAH																				PCB								TPH			
			C6- C9 Fraction	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Naphthalene_VOC	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			20	20	50	100	100	100	20	50	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	20	50	50	50
NSW 2014 General Solid Waste CT1 (No Leaching)			650													0.8																							<50				10000
NSW 2014 General Solid Waste SCC1 (with leached)			650													10																							<50				10000
NSW 2014 Restricted Solid Waste CT2 (No Leaching)			2600													3.2																							<50				40000
NSW 2014 Restricted Solid Waste SCC2 (with leached)			2600													23																							<50				40000
Field ID	**Sampled Date**	**Lab Report Number**																																									
KW-B1_0.0-0.1	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	<50	<50	<50
KW-B1_0.0-0.5 (Primary)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT05 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B1_0.2-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	0.9	2	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.0-0.1	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	<50	<50	<50
KW-B2_0.1-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.3-0.4	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	<50	<50	<50
KW-B3_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.0-0.4A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.1-0.2	3/02/2023	962621	<20	<20	<50	220	<100	220	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	0.7	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	160	53	213
KW-B3_0.25-0.3	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	1.3	1.8	2.8	2.5	2.3	0.9	1.1	1.4	1.6	<0.5	2.7	<0.5	1.1	<0.5	1	2.9	16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	57	<50	57
KW-B3_0.25-0.3	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.3-0.4	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.4-0.5	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.1-0.3 (Primary)	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	<50	<50	<50
DUP04 (Duplicate)	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	<50	<50	<50
SPLIT04 (Triplicate)	2/02/2023	35779	<25	<25	<50	<100	<100	<50	<25	<50	-	<0.1	<0.1	<0.1	0.1	0.15	<0.5	<0.5	<0.5	0.2	<0.1	0.1	<0.1	0.3	<0.1	<0.1	<0.1	0.1	0.3	1.3	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<100	<100	<50
KW-B4_0.1-0.3A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.2	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	<50	<50	<50
KW-B5_0.1-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-0.5	3/02/2023	962621	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-1.0	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.5-0.6	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	0.5	0.5	1.2	0.9	0.6	<0.5	<0.5	<0.5	0.6	<0.5	1	<0.5	<0.5	<0.5	<0.5	1.2	3.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	<50	<50	<50
KW-B7_0.0-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.0-0.6A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.2-0.3	3/02/2023	962621	<20	<20	<50	120	<100	120	<20	<50	<0.5	<0.5	<0.5	<0.5	0.8	0.9	1.8	1.5	1.3	1.3	0.7	1	0.9	<0.5	2.2	<0.5	0.5	<0.5	1.5	2.1	12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	91	<50	91
KW-B7_0.5-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	0.6	0.7	1.4	1.1	0.8	0.6	<0.5	<0.5	0.7	<0.5	1.3	<0.5	<0.5	<0.5	0.8	1.2	5.9	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.1	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	0.7	1.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	58	<50	58
KW-B8_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.2-0.4 (Primary)	3/02/2023	962621	<20	<20	<50	<100	<100	<100	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	0.5	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	<50	<50	<50
DUP06 (Duplicate)	3/02/2023	962621	<20	<20	<50	110	<100	110	<20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	0.8	1.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<20	59	61	120
SPLIT06 (Triplicate)	2/02/2023	35779	<25	<25	<50	<100	<100	<50	<25	<50	-	<0.1	<0.1	0.2	0.5	0.58	0.9	0.8	0.8	0.8	0.4	0.5	<0.1	1.3	<0.1	0.3	<0.1	0.8	1.2	6.6	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<100	<100	<50

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#2 No asbestos detected.Organic fibres detected.No trace asbestos detected.
#3 Chrysotile asbestos detected.Organic fibres detected.
#4 No trace asbestos detected.
#5 Organic fibres detected.

Table B Waste Classification Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

			VOC																																							
			1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Total MAH	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	1,1-dichloroethene	1,1-dichloropropene	2-chlorotoluene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 General Solid Waste CT1 (No Leaching)									60			200	600	26	24				10						10				172		14							14		
NSW 2014 General Solid Waste SCC1 (with leached)									108			360	1080	46.8	43.2				18						18				310		25							25.2		
NSW 2014 Restricted Solid Waste CT2 (No Leaching)									240			800	2400	104	96				40						40				688		56							56		
NSW 2014 Restricted Solid Waste SCC2 (with leached)									432			1440	4320	187.2	172.8				72						72				1240		100							100.8		
Field ID	**Sampled Date**	**Lab Report Number**																																								
KW-B1_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B1_0.0-0.5 (Primary)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT05 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B1_0.2-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.1-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.3-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.0-0.4A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.1-0.2	3/02/2023	962621	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KW-B3_0.25-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.25-0.3	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.3-0.4	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.4-0.5	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.1-0.3 (Primary)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP04 (Duplicate)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT04 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.1-0.3A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.2	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-0.5	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-1.0	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.5-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.0-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.0-0.6A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.2-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.5-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.2-0.4 (Primary)	3/02/2023	962621	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DUP06 (Duplicate)	3/02/2023	962621	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SPLIT06 (Triplicate)	2/02/2023	35779	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	-	<1	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#2 No asbestos detected.Organic fibres detected.No trace asbestos detected.
#3 Chrysotile asbestos detected.Organic fibres detected.
#4 No trace asbestos detected.
#5 Organic fibres detected.

Table B Waste Classification Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

			VOC																											
			Trichloroethene	Vinyl Chloride	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	1,2-dibromoethane	Bromobenzene	Bromomethane	Cyclohexane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Acetone	Methyl Ethyl Ketone	Carbon disulfide	Chlorinated Hydrocarbons EPAVic	Other Chlorinated Hydrocarbons EPAVic	Hexachlorobutadiene	Isopropylbenzene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 General Solid Waste CT1 (No Leaching)			10	4			86		150	2000		120											4000							
NSW 2014 General Solid Waste SCC1 (with leached)			18	7.2			155		270	3600		216											7200							
NSW 2014 Restricted Solid Waste CT2 (No Leaching)			40	16			344		600	8000		480											16000							
NSW 2014 Restricted Solid Waste SCC2 (with leached)			72	28.8			620		1080	14400		864											28800							
Field ID	**Sampled Date**	**Lab Report Number**																												
KW-B1_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B1_0.0-0.5 (Primary)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT05 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B1_0.2-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.1-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.3-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.0-0.4A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.1-0.2	3/02/2023	962621	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5
KW-B3_0.25-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.25-0.3	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.3-0.4	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.4-0.5	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.1-0.3 (Primary)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP04 (Duplicate)	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT04 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.1-0.3A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.2	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-0.5	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-1.0	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.5-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.0-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.0-0.6A	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.2-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.5-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.2-0.4 (Primary)	3/02/2023	962621	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5
DUP06 (Duplicate)	3/02/2023	962621	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5
SPLIT06 (Triplicate)	2/02/2023	35779	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	-	-	-	-	-	-	-	<0.5	<0.5		

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#2 No asbestos detected.Organic fibres detected.No trace asbestos detected.
#3 Chrysotile asbestos detected.Organic fibres detected.
#4 No trace asbestos detected.
#5 Organic fibres detected.

Table B Waste Classification Results
Project Number: 63879
Project Name: Broken Hill Hospital Redevelopment

			BTEX						Asbestos												
			Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	FA and AF Estimation	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	g	g	g	% (w/w)	g	g	g	g	g	% (w/w)	g	Comment
EQL			0.1	0.1	0.1	0.1	0.2	0.3												
NSW 2014 General Solid Waste CT1 (No Leaching)			10	288	600			1000												
NSW 2014 General Solid Waste SCC1 (with leached)			18	518	1080			1800												
NSW 2014 Restricted Solid Waste CT2 (No Leaching)			40	1152	2400			4000												
NSW 2014 Restricted Solid Waste SCC2 (with leached)			72	2073	4320			7200												
Field ID	**Sampled Date**	**Lab Report Number**																		
KW-B1_0.0-0.1	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
KW-B1_0.0-0.5 (Primary)	3/02/2023	962621	-	-	-	-	-	-	627	0	0	0	-	0	0	0	0	0	0	Nil
SPLIT05 (Triplicate)	2/02/2023	35779	-	-	-	-	-	-	722	-	-	0	0.0025	-	-	-	-	0	-	Nil
KW-B1_0.2-0.3	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B2_0.0-0.1	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	694	0	0	0	-	0	0	0	0	0	0	Nil
KW-B2_0.1-0.3	3/02/2023	962621	-	-	-	-	-	-	813	0	0	0	-	0	0	0	0	0	0	Nil
KW-B2_0.3-0.4	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	763	0	0	0	-	0	0	0	0	0	0	Nil
KW-B3_0.0-0.4A	3/02/2023	962621	-	-	-	-	-	-	4	0	0	0	-	0	0	0	0	0	0	Chrysotile asbestos detected
KW-B3_0.1-0.2	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.25-0.3	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.25-0.3	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.3-0.4	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B3_0.4-0.5	3/02/2023	967191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	1077	0	0	0	-	0	0	0	0	0	0	Nil
KW-B4_0.1-0.3 (Primary)	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	940	0	0	0	-	0	0	0	0	0	0	Nil
DUP04 (Duplicate)	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT04 (Triplicate)	2/02/2023	35779	<0.2	<0.5	<1	<1	<2	<1	-	-	-	-	-	-	-	-	-	-	-	-
KW-B4_0.1-0.3A	3/02/2023	962621	-	-	-	-	-	-	4	0	0	0	-	0	0	0	0	0	0	-
KW-B5_0.1-0.2	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.1-0.4	3/02/2023	962621	-	-	-	-	-	-	696	0	0	0	-	0	0	0	0	0	0	Nil
KW-B5_0.4-0.5	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B5_0.4-1.0	3/02/2023	962621	-	-	-	-	-	-	558	0	0	0	-	0	0	0	0	0	0	Nil
KW-B6_0.0-0.1	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B6_0.5-0.6	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.0-0.6	3/02/2023	962621	-	-	-	-	-	-	1137	0	0	0	-	0	0	0	0	0	0	Nil
KW-B7_0.0-0.6A	3/02/2023	962621	-	-	-	-	-	-	16	0	0	0	-	0	0	0	0	0	0	Chrysotile asbestos detected
KW-B7_0.2-0.3	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
KW-B7_0.5-0.6	3/02/2023	962621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.1	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
KW-B8_0.0-0.4	3/02/2023	962621	-	-	-	-	-	-	811	0	0	0	-	0	0	0	0	0	0	Nil
KW-B8_0.2-0.4 (Primary)	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
DUP06 (Duplicate)	3/02/2023	962621	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	-	-	-	-	-	-	-	-	-	-	-
SPLIT06 (Triplicate)	2/02/2023	35779	<0.2	<0.5	<1	<1	<2	<1	-	-	-	-	-	-	-	-	-	-	-	-

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#2 No asbestos detected.Organic fibres detected.No trace asbestos detected.
#3 Chrysotile asbestos detected.Organic fibres detected.
#4 No trace asbestos detected.
#5 Organic fibres detected.

Table C: TCLP Analytical Data

Project Number: 63879

Project Name: Broken Hill Hospital Redevelopment

	Metals & Metalloids			PAH	Ionic Balance			
	Arsenic	Lead	Nickel	Benzo(a)pyrene	pH of Leaching Fluid	pH (after HCL)	pH (Final)	pH (Initial)
	mg/L	mg/L	mg/L	mg/L	pH Units	pH Units	pH Units	pH Units
EQL	0.01	0.01	0.01	0.0005	0.1	0.1	0.1	0.1
NSW 2014 General Solid Waste TCLP1 (leached)	5[#1]	5[#2]	2[#3]	0.04[#4]				
NSW 2014 Restricted Solid Waste TCLP2 (leached)	20	20	8	0.16[#4]				

Field ID	Sampled Date	Lab Report Number							
DUP04	3/02/2023	967191	-	0.3	-	-	5	1.6	6.1	8.7
KW-B1_0.2-03	3/02/2023	974595	-	0.07	-	-	5	1.3	6	8.9
KW-B3_0.1-0.2	3/02/2023	967191	-	5.9	<0.01	-	5	1.6	6.2	8.8
KW-B3_0.25-0.3	3/02/2023	967191	-	-	-	<0.0005	5	1.7	5.6	8.4
KW-B3_0.3-0.4	3/02/2023	974595	-	4.2	-	-	5	1.3	5.1	9.1
KW-B5_0.1-0.2	3/02/2023	967191	-	0.24	-	-	5	1.6	5	8.7
KW-B6_0.5-0.6	3/02/2023	974595	-	0.7	-	-	5	1.4	6.2	9
KW-B7_0.2-0.3	3/02/2023	967191	-	0.06	-	<0.0005	5	1.6	6.6	8.3
KW-B7_0.5-0.6	3/02/2023	974595	-	0.19	-	-	5	1.3	6.3	8.2
KW-B8_0.0-0.1	3/02/2023	974595	-	0.16	-	-	5	1.4	5.3	9.2
KW-B8_0.2-0.4	3/02/2023	974595	-	0.81	-	-	5	1.5	6.2	9.3

Appendix A Appendix A Proposed Development Plans

OPTION 02 - STAGGERED - 20 UNITS

EXISTING BUILDING

PROS
- NORTH FACING LIVING SPACE
- ARTICULATED FORM CREATES VISUAL INTEREST
- INCREASED BALCONY PRIVACY

CONS
- REDUCED UNIT COUNT (20 UNITS)

MORGAN ST

EXISTING CARPARK

EXISTING CARPARK

A50-001 E1

A50-002 E3

A50-002 E4

A50-001 E2

A50-002 E6

A50-002 E5

NEW PATHWAY

NEW PATHWAY

NEW PATHWAY

3.00°

UP

R 6000

LANDSCAPING OPPORTUNITY

LANDSCAPING OPPORTUNITY

LANDSCAPING OPPORTUNITY

EXISTING PATHWAY

EXISTING PATHWAY

EXISTING PATHWAY

SITE PLAN - OPT 02

BROKEN HILL HOSPITAL KWA Project Number **10627** Scale @ A2 Sheet Size **1 : 200** Date **10/11/22** Drawing Number: **A10-002**

N

STH SILVER THOMAS HANLEY

DATE: 10/11/2022 2:18:38 PM

1 **OVERALL PLAN - GROUND**
SCALE: 1 : 200

2 **OVERALL PLAN - LEVEL 1**
SCALE: 1 : 200

OPT 02 - OVERALL PLANS

BROKEN HILL HOSPITAL KWA Project Number **10627** Scale @ A2 Sheet Size **1 : 200** Date **10/11/22** Drawing Number: **A20-002**

SILVER THOMAS HANLEY

DATE: 10/11/2022 2:18:41 PM

E1 **ELEVATION - OPTION 02 - NORTH**
SCALE: 1 : 200

E2 **ELEVATION - OPTION 02 - EAST**
SCALE: 1 : 200

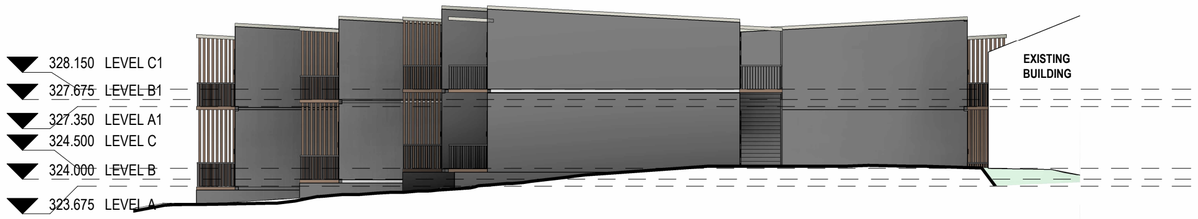
SITE ELEVATIONS - OPT 02

BROKEN HILL HOSPITAL KWA Project Number **10627** Scale @ A2 Sheet Size **1 : 200** Date **10/11/22** Drawing Number: **A50-001**

STH
SILVER THOMAS HANLEY

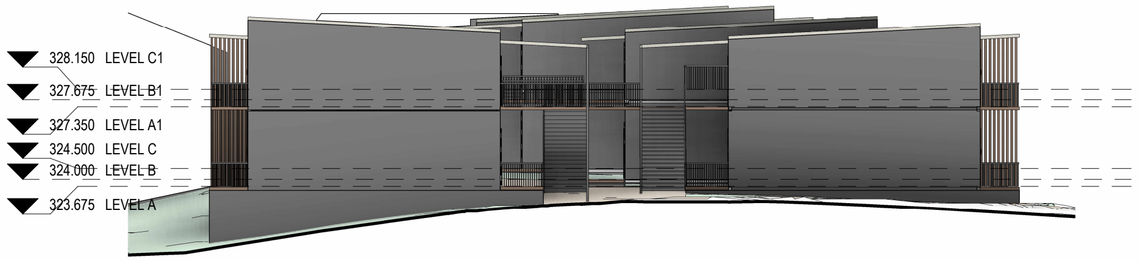
DATE: 10/11/2022 2:18:54 PM

E3 **ELEVATION - NORTH**
SCALE: 1 : 200



E4 **ELEVATION - WEST**
SCALE: 1 : 200

E5 **ELEVATION - SOUTH**
SCALE: 1 : 200



E6 **ELEVATION - EAST**
SCALE: 1 : 200

BUILDING ELEVATIONS - OPT 2

BROKEN HILL HOSPITAL KWA Project Number **10627** Scale @ A2 Sheet Size **1 : 200** Date **10/11/22** Drawing Number: **A50-002**

STH
SILVER THOMAS HANLEY

DATE: 10/11/2022 2:19:21 PM

1 **OPTION 2 - SPRING EQUINOX - 10AM**
SCALE:

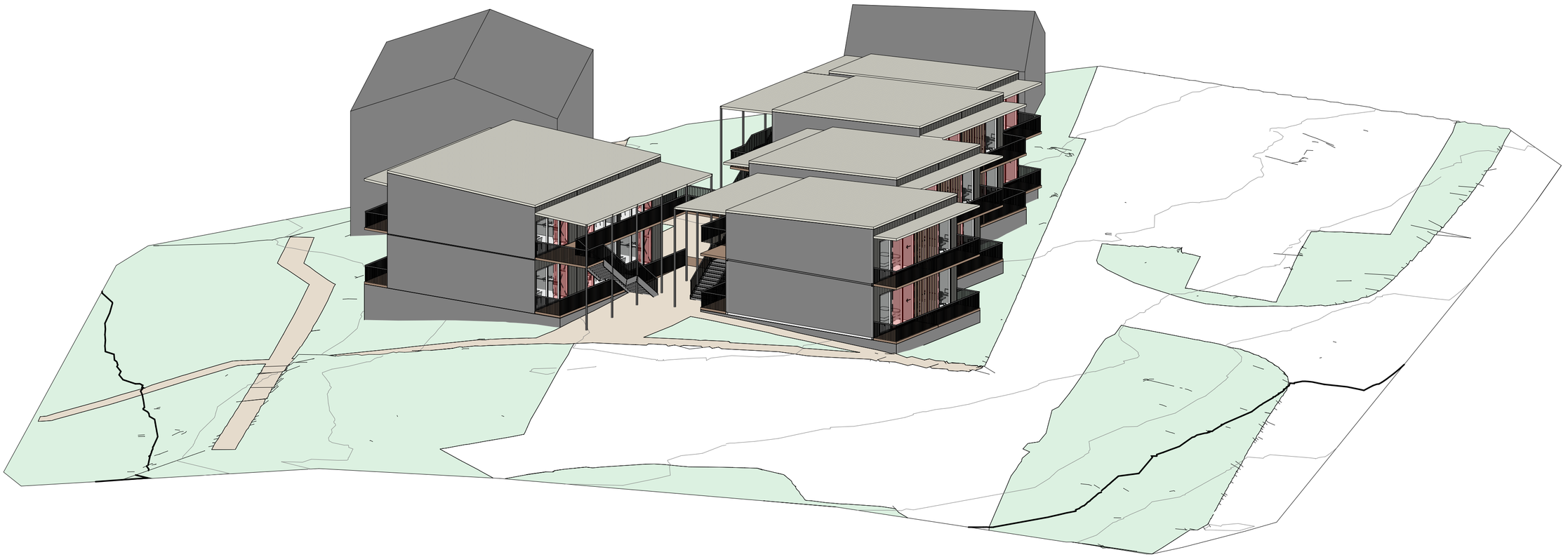
2 **OPTION 02 - SPRING EQUINOX - 10AM**
SCALE:

SUN SHADING STUDY

BROKEN HILL HOSPITAL KWA | Project Number **10627** | Scale @ A2 Sheet Size | Date **10/11/22** | Drawing Number: **A90-001**

SILVER THOMAS HANLEY

DATE: 10/11/2022 2:19:34 PM



MASSING STUDY - OPT 2

BROKEN HILL HOSPITAL KWA Project Number **10627** Scale @ A2 Sheet Size Date **10/11/22** Drawing Number: **A90-002**

SILVER THOMAS HANLEY

DATE: 10/11/2022 2:19:39 PM

Appendix B Photographs

PHOTO 1: OVERVIEW OF THE PROPOSED LOCATION FOR THE KEY WORKERS ACCOMMODATION, FACING WEST

PHOTO 2: OVERVIEW OF THE PROPOSED LOCATION FOR THE KEY WORKERS ACCOMMODATION, FACING NORTH

PHOTO 3: OVERVIEW OF THE KWA, FACING SOUTH

PHOTO 4: KW-B5 SAMPLE LOCATION

JBS&G

Job No: 63879	
Client: Health Infrastructure	
Version: Rev A	Date: 1/03/23
Drawn By: EA	Checked By: MH
Not to Scale	
Coord. Sys n/a	

170-330 Thomas St, Broken Hill, NSW

APPENDIX B – PHOTOGRAPHIC LOG

PHOTO 5: KW-B5 SAMPLE LOCATION

PHOTO 6: ANTHROPOGENIC MATERIAL AND ASSOCIATED FILL AT KW-B3

PHOTO 7: KW-B3 TEST PIT LOCATION

PHOTO 8: KW-B2 TEST PIT LOCATION

JBS&G

Job No: 63879	
Client: Health Infrastructure	
Version: Rev A	Date: 1/03/23
Drawn By: EA	Checked By: MH
Not to Scale	
Coord. Sys n/a	

170-330 Thomas St, Broken Hill, NSW

APPENDIX B– PHOTOGRAPHIC LOG

PHOTO 9: ANTHROPOGENIC MATERIAL AND ASSPOCIATED FILL AT KW-B2_0.1-0.3

PHOTO 10: KW-B2 TEST PIT LOCATION FACING SOUTHWEST

PHOTO 11: KW-B2 TEST PIT LOCATION FACING NORTH

PHOTO 12: KW-B4 TEST PIT LOCATION

JBS&G

Job No: 63879

Client: Health Infrastructure

Version: Rev A	Date: 1/03/23
Drawn By: EA	Checked By: MH

Not to Scale

Coord. Sys n/a

170-330 Thomas St, Broken Hill, NSW

APPENDIX B – PHOTOGRAPHIC LOG

PHOTO 13: NORTHEAST PORTION OF KWA, KW-B1 TEST PIT LOCATION

PHOTO 14: KW-B1 TEST PIT AND GENERAL SOIL COMPOSITION

PHOTO 15: KW-B6 TEST PIT AND GENERAL SOIL COMPOSITION

PHOTO 16: GENERAL SOIL COMPOSITION AT KW-B7

JBS&G

Job No: 63879	
Client: Health Infrastructure	
Version: Rev A	Date: 1/03/23
Drawn By: EA	Checked By: MH
Not to Scale	
Coord. Sys n/a	

170-330 Thomas St, Broken Hill, NSW

APPENDIX B – PHOTOGRAPHIC LOG

PHOTO 17: KW-B8 SAMPLES LOCATION

PHOTO 18: KW-B7 TEST PIT AND GENERAL SOIL COMPOSITION

Job No: 63879	
Client: Health Infrastructure	
Version: Rev A	Date: 1/03/23
Drawn By: EA	Checked By: MH
Not to Scale	
Coord. Sys n/a	

170-330 Thomas St, Broken Hill, NSW

APPENDIX A – PHOTOGRAPHIC LOG

PHOTO 19: KWA 1941 AERIAL

JBS&G

Job No: 63879	
Client: Health Infrastructure	
Version: Rev A	Date: 1/03/23
Drawn By: EA	Checked By: MH
Not to Scale	
Coord. Sys n/a	
170-330 Thomas St, Broken Hill, NSW	

Appendix C Lotsearch (2022) Report

LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 29 Nov 2022 09:51:16

Reference: LS038494 EP

Address: Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Disclaimer:
The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features.
You should obtain independent advice before you make any decision based on the information within the report.
The detailed terms applicable to use of this report are set out at the end of this report.

Dataset Listing

Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	04/11/2022	04/11/2022	Quarterly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	22/08/2022	22/08/2022	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	08/11/2022	14/10/2022	Monthly	1000m	0	0	0
Contaminated Land Records of Notice	Environment Protection Authority	31/10/2022	31/10/2022	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority	02/09/2022	14/07/2021	Quarterly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	26/05/2022	07/03/2017	Annually	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	23/08/2022	13/07/2012	Annually	1000m	0	0	1
EPA PFAS Investigation Program	Environment Protection Authority	08/11/2022	23/09/2022	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	09/11/2022	09/11/2022	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	09/11/2022	09/11/2022	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	09/11/2022	09/11/2022	Monthly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	02/09/2022	02/09/2022	Quarterly	2000m	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	16/02/2022	13/12/2018	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	31/10/2022	31/10/2022	Monthly	1000m	0	0	0
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	31/10/2022	31/10/2022	Monthly	1000m	1	1	1
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	31/10/2022	31/10/2022	Monthly	1000m	0	0	3
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150m	2	29	43
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150m	-	118	123
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500m	0	0	7
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500m	-	2	11
Points of Interest	NSW Department of Customer Service - Spatial Services	19/10/2022	19/10/2022	Quarterly	1000m	4	5	34
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/10/2022	19/10/2022	Quarterly	1000m	0	0	4
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/10/2022	19/10/2022	Quarterly	1000m	0	0	0
Major Easements	NSW Department of Customer Service - Spatial Services	15/11/2022	15/11/2022	Quarterly	1000m	0	0	7
State Forest	Forestry Corporation of NSW	16/08/2022	14/08/2022	Annually	1000m	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	10/02/2022	31/12/2021	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	29/08/2022	19/08/2019	Annually	1000m	1	1	1
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018	NSW Department of Planning, Industry and Environment	28/03/2022	23/02/2018	Annually	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	24/01/2022	24/01/2022	Annually	2000m	0	0	15

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
NSW Seamless Geology Single Layer: Rock Units	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	2	2	5
NSW Seamless Geology – Single Layer: Trendlines	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	0	0	0
NSW Seamless Geology – Single Layer: Geological Boundaries and Faults	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	0	0	0
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000m	1	1	1
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	09/11/2022	28/10/2022	Monthly	500m	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	1	1	1
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000m	0	0	0
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	09/11/2022	09/11/2022	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Industry	09/11/2022	09/11/2022	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Industry	09/11/2022	09/11/2022	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Industry	09/11/2022	09/11/2022	Monthly	1000m	1	1	1
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	15/11/2021	07/12/2018	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	15/11/2021	05/11/2021	Monthly	1000m	1	1	9
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	1	1	1
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	18/10/2022	01/07/2022	Quarterly	1000m	0	0	2
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Industry and Environment	09/11/2022	28/10/2022	Monthly	1000m	1	4	29
Bush Fire Prone Land	NSW Rural Fire Service	28/11/2022	25/10/2022	Weekly	1000m	0	0	2
Ramsar Wetlands of Australia	Australian Government Department of Agriculture, Water and the Environment	28/03/2022	19/03/2020	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	0	1	1
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	0	1	1
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	22/11/2022	22/11/2022	Weekly	10000m	-	-	-

Site Diagram

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Legend

- Site Boundary
- Internal Parcel Boundaries

Total Area: 86172m²

Total Perimeter: 1.3km

Scale: 0 25 50 100 Meters

Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Disclaimers:

Measurements are approximate only and may have been simplified or smaller lengths removed for readability.

Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.

Coordinate System:
GDA 1994 MGA Zone 56

Date: 29 November 2022

Contaminated Land

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist	Direction
N/A	No records in buffer								

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
N/A	No records in buffer							

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm

Former Gasworks

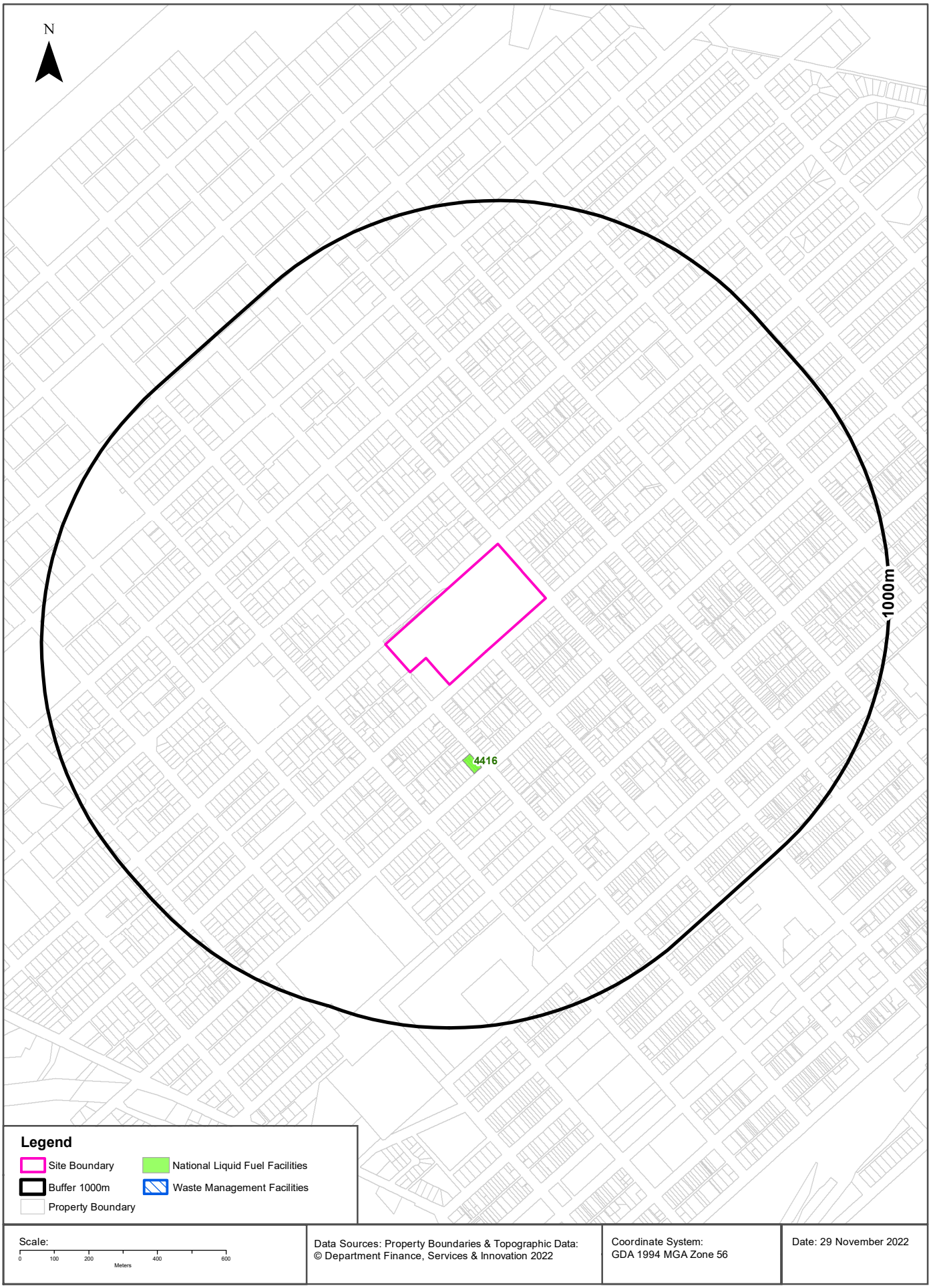
Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Waste Management & Liquid Fuel Facilities

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

National Waste Management Site Database

Sites on the National Waste Management Site Database within the dataset buffer:

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist	Direction
N/A	No records in buffer											

Waste Management Facilities Data Source: Geoscience Australia
Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

National Liquid Fuel Facilities

National Liquid Fuel Facilties within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Direction
4416	Shell	Coles Express Broken Hill	162-166 Williams Street	Broken Hill	Petrol Station	Operational		25/07/2011	Premise Match	211m	South

National Liquid Fuel Facilities Data Source: Geoscience Australia
Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

PFAS Investigation & Management Programs

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

Map ID	Site	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

EPA PFAS Investigation Program: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Defence PFAS Investigation Program

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Investigation Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Management Program

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Loc Conf	Dist	Dir
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Defence 3 Year Regional Contamination Investigation Program

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

EPA Other Sites with Contamination Issues

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill
- Pasminco Lead Abatement Strategy Area

Sites within the dataset buffer:

Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

EPA Activities

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Licensed Activities under the POEO Act 1997

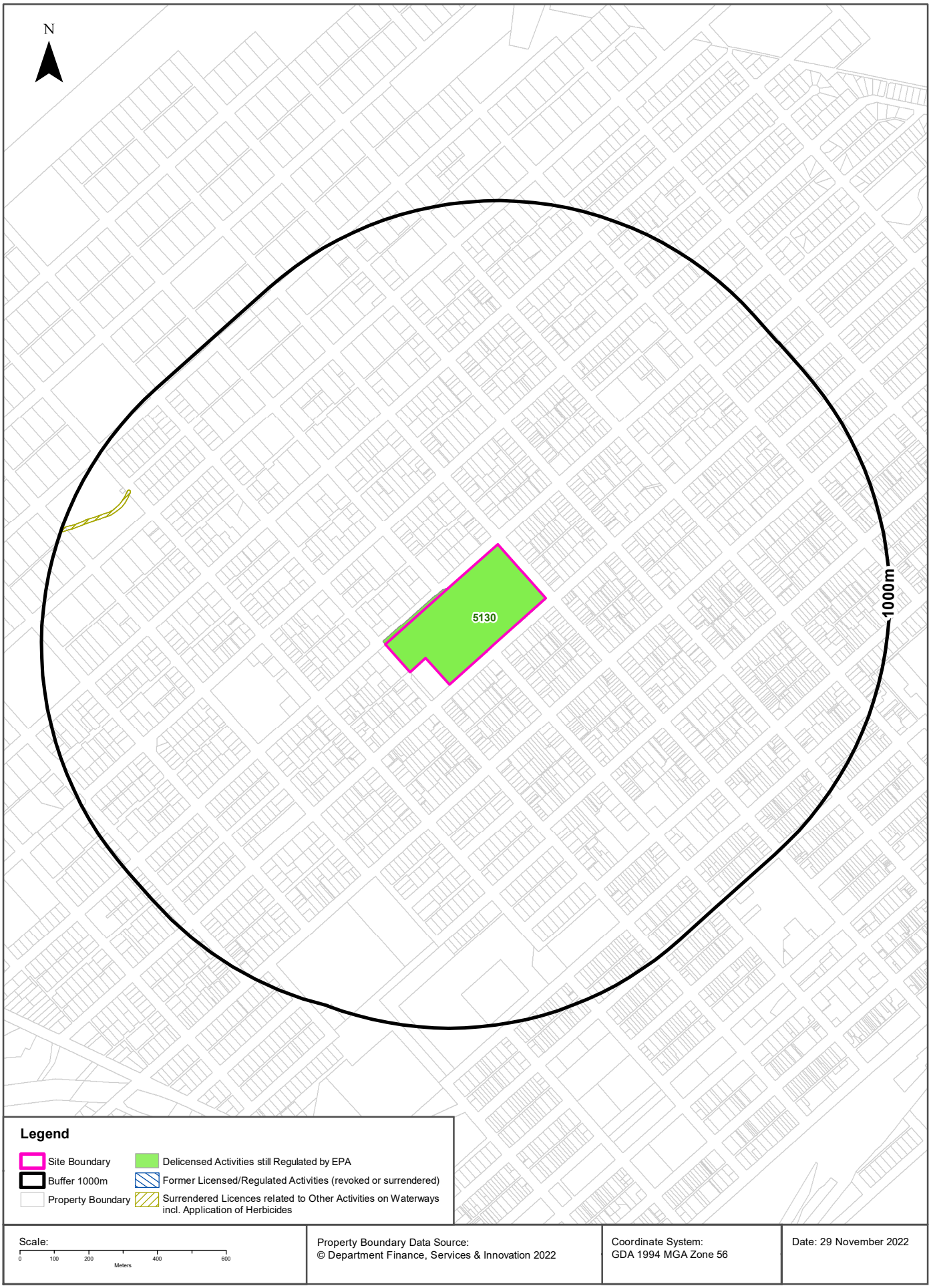
Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

POEO Licence Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



EPA Activities

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
5130	GREATER WESTERN AREA HEALTH SERVICE	BROKEN HILL BASE HOSPITAL	THOMAS STREET	BROKEN HILL	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	0m	On-site

Delicensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

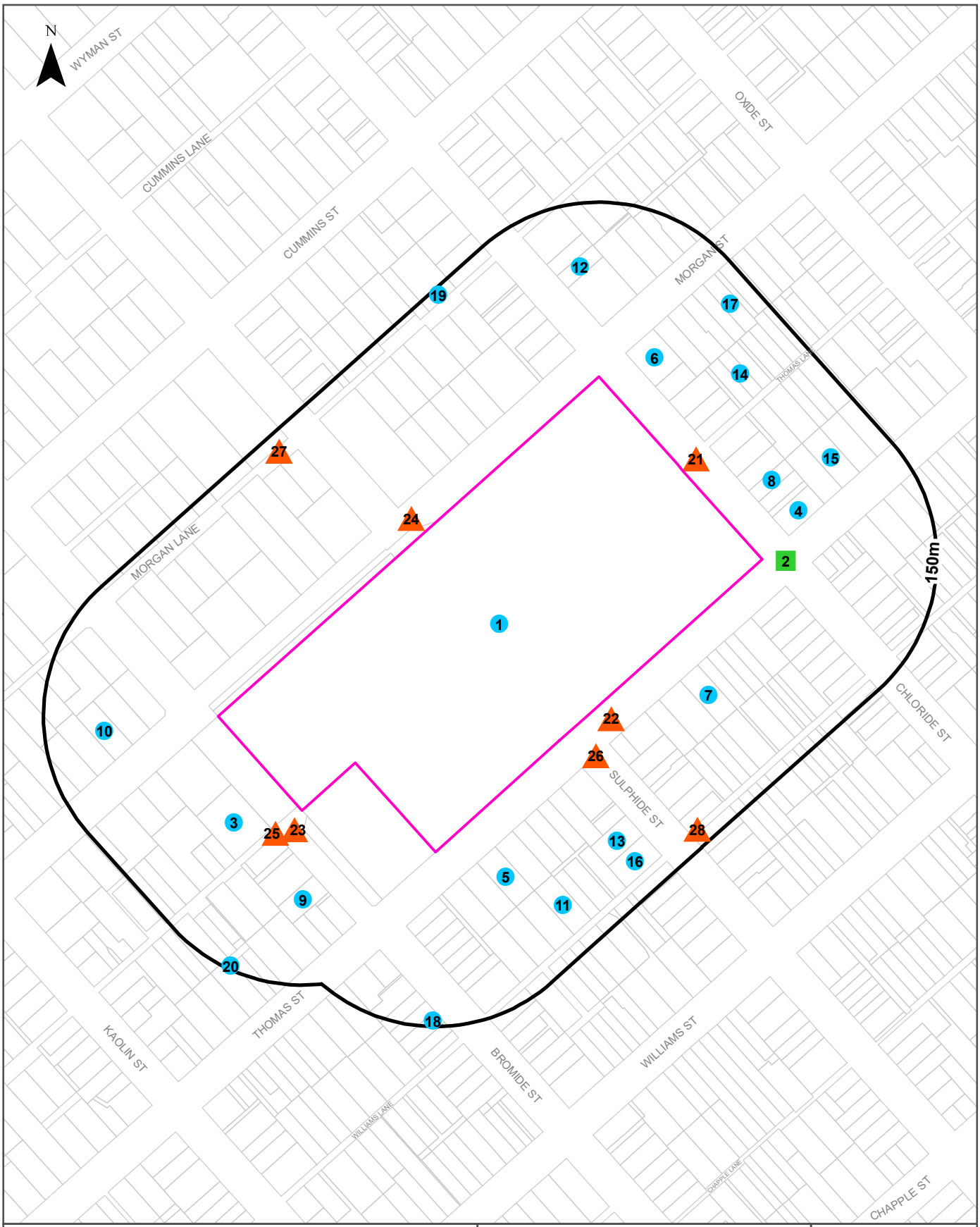
Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	862m	West
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	862m	West
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	862m	West

Former Licensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Historical Business Directories

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Legend

- Site Boundary
- Buffer 150m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 60 120 180 240 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 29 November 2022

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018
Property Boundaries © NSW Department Finance, Services & Innovation 2022

Historical Business Directories

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Business Directory Records 1950-1991
Premise or Road Intersection Matches

Universal Business Directory records from years 1991, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	HOSPITALS &/OR NURSING HOMES.	Broken Hill & District Hospital, 174 Thomas St. Broken Hill (N.S.W.)	168772	1991	Premise Match	0m	On-site
	HOSPITALS, NURSING HOMES, Etc.	Broken Hill & District Hospital, 170 Thomas St. Broken Hill 2880	601158	1970	Premise Match	0m	On-site
2	GROCERS & GENERAL STOREKEEPERS	Reed, W. R. (Bill), Cnr. Chloride & Thomas Sts., Broken Hill	191374	1961	Road Intersection	21m	East
	DEEP FROZEN FOODS-RETAIL	Reed, W. R. (Bill), Cnr. Chloride and Thomas Sts., Broken Hill	191044	1961	Road Intersection	21m	East
	MILK BARS & CONFECTIONERY SHOPS	Reed, W. R., Cnr, Chloride & Thomas Sts., Broken Hill	191832	1961	Road Intersection	21m	East
	FRUITERERS & GREENGROCERS	Reed, W. R., Cnr. Chloride & Thomas Sts., Broken Hill	191271	1961	Road Intersection	21m	East
	GIFT SHOPS & FANCY GOODS	Reed, W. R., Cnr. Chloride & Thomas Sts., Broken Hill	191295	1961	Road Intersection	21m	East
	DRAPERS	Reed, W. R., Cnr. Chloride and Thomas Sts., Broken Hill	191105	1961	Road Intersection	21m	East
3	LAUNDRIES SELF SERVICE &/OR LAUNDRETTES.	Broken Hill Laundry, 337 Bromide St, Broken Hill (N.S.W.)	168863	1991	Premise Match	30m	South West
	LAUNDRIES	Broken Hill Laundry Pty. Ltd., 337 Bromide St. Broken Hill 2880	601260	1970	Premise Match	30m	South West
4	BOOK EXCHANGES.	Book Exchange, 320 Chloride St. Broken Hill (N.S.W.)	168263	1991	Premise Match	31m	East
	DELICATESSENS.	W Book Exchange, 320 Chlonde St. Broken Hill (N.S.W.)	168500	1991	Premise Match	31m	East
	JUSTICES OF THE PEACE	Dell, T. F. K., 320 Chloride St., Broken Hill	191637	1961	Premise Match	31m	East
	MIXED BUSINESSES	Boyce, H. R., 320 Chloride St. Broken Hill	152570	1950	Premise Match	31m	East
	MIXED BUSINESSES	Reid, W. R., 320 Chloride St. Broken Hill	152617	1950	Premise Match	31m	East
5	MARINE DEALERS	Clark, H. F., 169 Thomas St., Broken Hill	191797	1961	Premise Match	31m	South
	MARINE DEALERS	Clark, H. F., 169 Thomas St. Broken Hill	152428	1950	Premise Match	31m	South
6	DOCTORS	Hiller, G. and O., 319 Morgan St., Broken Hill	191083	1961	Premise Match	31m	North East
7	DOCTORS	Schlink, F. & Roberts, I. C., 239 Thomas St., Broken Hill	366570	1961	Premise Match	31m	East
8	ELECTRICAL CONTRACTORS & ELECTRICIANS	Smith, Dale, 326 Chloride St., Broken Hill	191163	1961	Premise Match	31m	North East
9	HOT WATER INSTALLATIONS & MAINTENANCE	Stokes Bros., 323 Bromide St., Broken Hill	191480	1961	Premise Match	57m	South West
10	ELECTRICAL CONTRACTORS.	Sevan. B. W, 146 Morgan St.. Broken Hill (N.S.W.)	168554	1991	Premise Match	77m	West
11	JUSTICES OF THE PEACE	Barnwell, H. D., 174 William Lane, Broken Hill	191607	1961	Premise Match	81m	South
12	MUSIC TEACHERS	Tweddell, Muriel, 344 Chloride St. Broken Hill	152726	1950	Premise Match	81m	North
13	JUSTICES OF THE PEACE	Owens, Mrs. L. M., 299 Sulphide St., Broken Hill	191714	1961	Premise Match	86m	South East
14	SHEARING CONTRACTORS & SHEARERS	Flavel, C. H., 324 Thomas Lane Broken Hill 2880	601622	1970	Premise Match	87m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
14	SHEARING CONTRACTORS	Flavel, C. H., 324 Thomas Lane, Broken Hill	192213	1961	Premise Match	87m	North East
	SHEARING CONTRACTORS	Flavel, C. H., 324 Thomas Lane., Broken Hill	154050	1950	Premise Match	87m	North East
15	JUSTICES OF THE PEACE	Pearce, H. C., 324 Thomas St., Broken Hill	191717	1961	Premise Match	92m	North East
16	MIXED BUSINESSES	King, E. M., 295 Sulphide St., Broken Hill	191870	1961	Premise Match	108m	South East
	MIXED BUSINESSES	King, E. M., 295 Sulphide St. Broken Hill	152603	1950	Premise Match	108m	South East
17	MOTOR GARAGES & SERVICE STATIONS.	R.J.O. Automotive & General Engineering, 331 Morgan St.. Broken Hill (N.S.W.)	169007	1991	Premise Match	119m	North East
	MOTOR ENGINE RECONDITIONING	Datson, M. G., 331 Morgan St. Broken Hill 2880	601379	1970	Premise Match	119m	North East
	ENGINEERS-GENERAL, MECHANICAL & MANUFACTURING	Datsun, M. G., 331 Morgan St. Broken Hill 2880	600961	1970	Premise Match	119m	North East
	MOTOR ACCESSORIES & SPARE PARTS-RETAIL	Datson, M, G., 331 Morgan St., Broken Hill	191911	1961	Premise Match	119m	North East
	ENGINEERS-AUTOMOTIVE	Datson, M. G., 331 Morgan St., Broken Hill	191180	1961	Premise Match	119m	North East
	ENGINEERS-GENERAL, MECHANICAL & MFRG.	Datson, M. G., 331 Morgan St., Broken Hill	191199	1961	Premise Match	119m	North East
	MOTOR ENGINEERS-AUTOMOTIVE	Datson, M. G., 331 Morgan St., Broken Hill	191964	1961	Premise Match	119m	North East
18	JUSTICES OF THE PEACE	Harris, G. D., 293 Bromide St., Broken Hill	191652	1961	Premise Match	137m	South
	JUSTICES OF THE PEACE	Hooper, R. J., 293 Bromide St., Broken Hill	191657	1961	Premise Match	137m	South
19	TANK-SINKING CONTRACTORS	Clowser, A., 242 Morgan Lane Broken Hill	154109	1950	Premise Match	139m	North
20	BRICKLAYERS.	Tormena. C, 142 Thomas St.. Broken Hill (N.S.W.)	168280	1991	Premise Match	142m	South West
	BUILDERS &/OR BUILDING CONTRACTORS.	Tormena. C, 142 Thomas St.. Broken Hill (N.S.W.)	168294	1991	Premise Match	142m	South West

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Business Directory Records 1950-1991
Road or Area Matches

Universal Business Directory records from years 1991, 1970, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
21	GIFT SHOPS.	Before You Go, 13 Chloride St.. Broken Hill (N.S.W.)	168634	1991	Road Match	0m
	MUSICAL INSTRUMENT &/OR SHEET MUSIC DEALERS.	Broken HHI Music, 3 Chloride St. Broken Hill (N.S.W.)	169049	1991	Road Match	0m
	CLUBS &/OR SPORTING BODIES.	Broken Hill Club, 1 Chloride St.. Broken Hill (N.S.W.)	168431	1991	Road Match	0m
	CLUBS &/OR SPORTING BODIES.	Broken Hill R.S.L Club Ltd. The, 2 Chloride St.. Broken Hill (N.S.W.)	168437	1991	Road Match	0m
	BARRISTERS.	Fitzpatrick Switt, 5 Chloride St. Broken Hill (N.S.W.)	168247	1991	Road Match	0m
	GOVERNMENT DEPARTMENTS	Telecom Australia, Chloride St, Broken Hill (N.S.W.)	168686	1991	Road Match	0m
	MEDICAL PRACTITIONERS,	Verrall, C, 5 Chloride St.. Broken Hill (N.S.W.)	168899	1991	Road Match	0m
	AIR SERVICE OPERATORS	Ansett A.N.A. Pty. Ltd., 3 Chloride St. Broken Hill 2880	600549	1970	Road Match	0m
	ASSOCIATIONS, SOCIETIES, CLUBS & SPORTING BODIES	Broken Hill Aquatic Club, 1 Chloride St. Broken Hill 2880	600570	1970	Road Match	0m
	ASSOCIATIONS, SOCIETIES, CLUBS & SPORTING BODIES	Broken Hill Club, Chloride St. Broken Hill 2880	600572	1970	Road Match	0m
	GOVERNMENT DEPARTMENTS	Forestry Commission of N.S.W., Chloride St. Broken Hill 2880	601059	1970	Road Match	0m
	ASSOCIATIONS, SOCIETIES, CLUBS & SPORTING BODIES	Greyhound Racing Club, 2 Chloride St. Broken Hill 2880	600594	1970	Road Match	0m
	SOLICITORS	Hudson, E. R., 5 Chloride St. Broken Hill 2880	601643	1970	Road Match	0m
	MOTOR BUS TOURS	Ansett Pioneer, Grand Hotel Bldg., Chloride St., Broken Hill	191939	1961	Road Match	0m
	TOURS-LOCAL	Ansett Pioneer, Grand Hotel Bldg., Chloride St., Broken Hill	192312	1961	Road Match	0m
	AIR SERVICES BOOKING AGENTS	Ansett/ANA., Chloride St., Broken Hill	267337	1961	Road Match	0m
	AIR & TOURIST SERVICE AGENTS	Ansett-A.N.A., Grand Hotel Bldg., Chloride St., Broken Hill	190606	1961	Road Match	0m
	AIR SERVICES	Ansett-A.N.A., Grand Hotel Bldg., Chloride St., Broken Hill	190615	1961	Road Match	0m
	CLUBS & SPORTING BODIES	Broken Hill Club, Chloride St., Broken Hill	190976	1961	Road Match	0m
	AIR & TOURIST SERVICE AGENTS	Butler Air Transport, Grand Hotel Bldg., Chloride St., Broken Hill	190607	1961	Road Match	0m
	AIR SERVICES	Butler Air Transport, Grand Hotel Bldg., Chloride St., Broken Hill	190616	1961	Road Match	0m
	CAFES, TEA ROOMS & COFFEE LOUNGES, ETC.	Coronet Coffee Lounge, 6 Chloride St., Broken Hill	190870	1961	Road Match	0m
	COFFEE LOUNGES	Coronet Coffee Lounge, 6 Chloride St., Broken Hill	191004	1961	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS	Meatheringham, G., Chloride St., Broken Hill	190905	1961	Road Match	0m
	ASSOCIATIONS & SOCIETIES	Returned Servicemen's Club, Chloride St., Broken Hill	190661	1961	Road Match	0m
	ELECTRICAL APPLIANCES & SUPPLIES-RETAIL	Rose, J. A., 2 Chloride St., Broken Hill	191146	1961	Road Match	0m
	ELECTRICAL APPLIANCES & SUPPLIES-WHOLESALE	Rose, J. A., 2 Chloride St., Broken Hill	191152	1961	Road Match	0m
	ENGINEERS-GENERAL, MECHANICAL & MFRG.	Rose, J. A., 2 Chloride St., Broken Hill	191202	1961	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
21	REFRIGERATOR MERCHANTS-WHOLESALE	Rose, J. A., 2 Chloride St., Broken Hill	192183	1961	Road Match	0m
	WASHING MACHINE SALES & SERVICE	Rose, J. A., 2 Chloride St., Broken Hill	192366	1961	Road Match	0m
	DRY CLEANERS, DYERS & PRESSERS	Valetta Dry Cleaners, 6 Chloride St., Broken Hill	191122	1961	Road Match	0m
	FLOUR MILLERS	Adelaide Milling Co. Ltd., Chloride St. Broken Hill	152110	1950	Road Match	0m
	STOCK & STATION AGENTS	Bennett and Fisher Ltd., Chloride St. Broken Hill	154088	1950	Road Match	0m
	WOOLBROKERS	Bennett and Fisher Ltd., Chloride St. Broken Hill	154233	1950	Road Match	0m
	REFRIGERATOR DEALERS & SERVICEMEN	Brown, Reg, 2 Chloride St. Broken Hill	154018	1950	Road Match	0m
	ENGINEERS-REFRIGERATION	Brown, Reg, Chloride St. Broken Hill	152086	1950	Road Match	0m
	TAXI PROPRIETORS	Cook, C., Grand Taxi Stand, Chloride St. Broken Hill	154119	1950	Road Match	0m
	TAXI PROPRIETORS	Cook, Wm., Grand Taxi Stand, Chloride St. Broken Hill	154120	1950	Road Match	0m
	TAXI PROPRIETORS	Dannatt H., Grand Taxi Stand, Chloride St. Broken Hill	154121	1950	Road Match	0m
	GOVERNMENT DEPARTMENTS	Dept. of Mines, Chloride St. Broken Hill	152177	1950	Road Match	0m
	MERCHANTS-GENERAL	Elder, Smith and Co. Ltd., Chloride St. Broken Hill	152464	1950	Road Match	0m
	WOOL, SKIN & HIDE MERCHANTS	Elder, Smith and Co. Ltd., Chloride St. Broken Hill	154231	1950	Road Match	0m
	GROCERS-WHOLESALE	Fowler, D. and J. Ltd., Chloride St. Broken Hill	152247	1950	Road Match	0m
	MEDICAL PRACTITIONERS	Hammond, H. G., Chloride St. Broken Hill	152431	1950	Road Match	0m
	PHYSIOTHERAPISTS	House, Wally, Chloride St. Broken Hill	153953	1950	Road Match	0m
	MILK VENDORS & DAIRIES	Johns, A. H., Chloride St. Broken Hill	152505	1950	Road Match	0m
	TAXI PROPRIETORS	Pressler, E., Grand Taxi Stand, Chloride St. Broken Hill	154134	1950	Road Match	0m
	MILK VENDORS & DAIRIES	Reed, W., Chloride St. Broken Hill	152524	1950	Road Match	0m
	MEDICAL PRACTITIONERS	Richards, C., Chloride St. Broken Hill	152435	1950	Road Match	0m
	ENGINEERS-GENERAL, MECHANICAL & MANUFACTURING	Rose, J. A. Chloride St. Broken Hill	152081	1950	Road Match	0m
	MILK VENDORS & DAIRIES	Rouse, W. H., Chloride St. Broken Hill	152533	1950	Road Match	0m
	PLUMBERS	Waite, J., Chloride St. Broken Hill	153971	1950	Road Match	0m
	MACHINERY MERCHANTS	White and Hosier, Chloride St. Broken Hill	152417	1950	Road Match	0m
	MINING MACHINERY & SUPPLIES	White and Hosier, Chloride St. Broken Hill	152557	1950	Road Match	0m
	GROCERS & GENERAL STOREKEEPERS	Yondell, H., Chloride St. Broken Hill	152244	1950	Road Match	0m
	MILK VENDORS & DAIRIES	Yondell, H., Chloride St. Broken Hill	152549	1950	Road Match	0m
22	DENTISTS.	Broken Hill Town Dental Clinic, Thomas St, Broken Hill (N.S.W.)	168503	1991	Road Match	0m
	HOMES &/OR INSTITUTIONS	Broken Hill War Veterans Home, Thomas St.. Broken Hill (N.S.W.)	168760	1991	Road Match	0m
	HOMES & INSTITUTIONS	Broken Hill War Veteran's Home, Thomas St. Broken Hill 2880	601155	1970	Road Match	0m
	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Ford's, J. Commercial Service Station, Thomas St. Broken Hill 2880	601401	1970	Road Match	0m
	HOTELS	Excelsior Hotel, Thomas St., West Broken Hill	191490	1961	Road Match	0m
	CHURCHES	Methodist Churches, Thomas St., Broken Hill	366480	1961	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
22	DAIRIES & DAIRYMEN	Power, L. V., Thomas St., Broken Hill	191026	1961	Road Match	0m
	DOCTORS	Roberts, Thomas St., Broken Hill	191086	1961	Road Match	0m
	HOTELS	Excelsior Hotel, Thomas St., West Broken Hill	152334	1950	Road Match	0m
	MILK VENDORS & DAIRIES	Ritchie, W., Thomas St. Broken Hill	152529	1950	Road Match	0m
	MIXED BUSINESSES	Wlele, F. H. and E., 140 Thomas St., Broken Hill	152638	1950	Road Match	0m
23	HEALTH CENTRES &/OR CLINICS.	Medical Bureau, 84 Bromide St.. Broken Hill (N.S.W.)	168747	1991	Road Match	0m
	HAULAGE CONTRACTORS	Pyriak, H., Bromide St., Broken Hill	191459	1961	Road Match	0m
	MILK VENDORS & DAIRIES	Drysade, E. D., Bromide St. Broken Hill	152486	1950	Road Match	0m
	PAINTERS, DECORATORS & PAPERHANGERS	Nash, Bob, Bromide St. Broken Hill	153941	1950	Road Match	0m
	SIGNWRITERS	Nash, Bob, Bromide St. Broken Hill	154062	1950	Road Match	0m
	MILK VENDORS & DAIRIES	Roberts, W., Bromide St. Broken Hill	152531	1950	Road Match	0m
	PLUMBERS	Stokes Bros., Bromide St. Broken Hill	153970	1950	Road Match	0m
	MILK VENDORS & DAIRIES	Thomas, I., Bromide St, Broken Hill	152545	1950	Road Match	0m
	HAIRDRESSERS & TOBACCONISTS	Williams, J. H., Bromide St. Broken Hill	152275	1950	Road Match	0m
24	SCHOOLS &/OR COLLEGES-PRIVATE &/OR PUBLIC	Morgan Street Primary School, Morgan St.. Broken Hill (N.S.W.)	169154	1991	Road Match	0m
	SCHOOLS, COLLEGES, ETC.	Morgan Street Infants School, Morgan St., Broken Hill	192205	1961	Road Match	0m
	MILK VENDORS & DAIRIES	Dreyer, B., Morgan St. Broken Hill	152485	1950	Road Match	0m
25	MILK VENDORS & DAIRIES	Reid, E. F., Thomas Lane Broken Hill	152525	1950	Road Match	30m
26	GOVERNMENT DEPARTMENTS.	Agriculture. Dept. of, Sulphide St.. Broken Hill (N.S.W.)	168656	1991	Road Match	31m
	HEALTH CENTRES &/OR CLINICS.	Central Baby Health Centre, Sulphide St., Broken Hill (N.S.W.)	168745	1991	Road Match	31m
	LOCAL BODIES.	City Council Administrative Centre, Sulphide St. Broken Hill (N.S.W.)	168877	1991	Road Match	31m
	SWIMMING POOLS.	City Pool, Sulphide St., Broken Hill (N.S.W.)	169205	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	Corrective Services. Dept. of, Sulphide St.. Broken Hill (N.S.W.)	168666	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	Education. Dept. of, Sulphide St.. Broken Hill (N.S.W.)	168668	1991	Road Match	31m
	LOCAL BODIES.	Electricity Dept, Sulphide St, Broken Hill (N.S.W.)	168880	1991	Road Match	31m
	LOCAL BODIES.	Engineers, Dept. of, Sulphide St. Broken Hill (N.S.W.)	168881	1991	Road Match	31m
	LOCAL BODIES.	Far Western Region Advisory Council, Sulphide St, Broken Hill (N.S.W.)	168882	1991	Road Match	31m
	LOCAL BODIES.	Health. Dept. of, Sulphide St, Broken Hill (N.S.W.)	168884	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	Housing Commission of NSW, Sulphide St.. Broken Hill (N.S.W.)	168670	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	Industrial Development & Decentrilisation, Dept. of. Sulphide St., Broken Hill (N.S.W.)	168671	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	Mineral Resources, Dept. of, Sulphide St.. Broken Hill (N.S.W.)	168673	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	N S W. Youth & Community Services. Dept. of, Sulphide St.. Broken Hill (N.S.W.)	168675	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	National Parks & Wildlife Service, Sulphide St.. Broken Hill (N.S.W.)	168676	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	Public Trust Office. Courthouse, Sulphide St., Broken Hill (N.S.W.)	168681	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS.	Public Works. Dept. of, Sulphide St.. Broken Hill (N.S.W.)	168682	1991	Road Match	31m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
26	GOVERNMENT DEPARTMENTS.	Soil Conservation Service of N.S.W, Sulphide St.. Broken Hill (N.S.W.)	168684	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS	State Emergency Services Administration Centre, Sulphide St., Broken Hill (N.S.W.)	168685	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS	Tourism, Dept. of, Sulphide St.. Broken Hill (N.S.W.)	168687	1991	Road Match	31m
	GOVERNMENT DEPARTMENTS	Western Lands Commission, Sulphide St Broken Hill (N.S.W.)	168688	1991	Road Match	31m
	NEWSPAPERS, JOURNALS, ETC.	Barrier Miner, Sulphide St., Broken Hill	192068	1961	Road Match	31m
	PRINTERS & PUBLISHERS	Barrier Miner, Sulphide St., Broken Hill	192153	1961	Road Match	31m
	HEALTH CENTRES	Baby Clinics: Sulphide St., Broken Hill	152309	1950	Road Match	31m
	NEWSPAPERS	Barrier Miner, Sulphide St. Broken Hill	153924	1950	Road Match	31m
	PRINTERS & BOOKBINDERS	Barrier Miner, Sulphide St. Broken Hill	153978	1950	Road Match	31m
	OFFICE SUPPLIES	Chartres Ltd., Sulphide St. Broken Hill	153926	1950	Road Match	31m
	TYPEWRITER DEALERS & REPAIRERS	Chartres Ltd., Sulphide St. Broken Hill	154204	1950	Road Match	31m
	SEWING MACHINE SALES & SERVICE	DobbiesSewing Machines, Sulphide St. Broken Hill	154046	1950	Road Match	31m
	MILK VENDORS & DAIRIES	Gardener, T. J., Sulphide St Broken Hill	152493	1950	Road Match	31m
	DRESSMAKERS	Hill, D. M., Sulphide St. Broken Hill	152012	1950	Road Match	31m
	MILK VENDORS & DAIRIES	King, E. M., Sulphide St. Broken Hill	152508	1950	Road Match	31m
	GROCERS & GENERAL STOREKEEPERS	Krantz's Big Grocery Store, Sulphide St. Broken Hill	152216	1950	Road Match	31m
	HARDWARE MERCHANTS	Krantz's Store, Sulphide St. Broken Hill	152292	1950	Road Match	31m
	LEATHER GOODS	Krantz's Store, Sulphide St. Broken Hill	152400	1950	Road Match	31m
	TRAVEL GOODS-RETAIL	Krantz's Store, Sulphide St. Broken Hill	154191	1950	Road Match	31m
	WINE & SPIRIT MERCHANTS	Krantz's Store, Sulphide St. Broken Hill	154226	1950	Road Match	31m
	HOTELS	Masonic Hotel, Opp. Sulphide St. Station Broken Hill	152344	1950	Road Match	31m
27	HOSTELS.	Aboriginal Girts Hostel, 102 Morgan La., Broken Hill (N.S.W.)	168774	1991	Road Match	126m
	BUTCHERS	Conroy, P. K. Pty. Ltd., Morgan Lane Broken Hill	366413	1961	Road Match	126m
	SMALLGOODS MANUFACTURERS	Conroy, P. K. Pty. Ltd., Morgan Lane, Broken Hill	366467	1961	Road Match	126m
	FUEL MERCHANTS	Wilson, L., 100 Morgan Lane Broken Hill	152145	1950	Road Match	126m
28	JUSTICES OF THE PEACE	Hulbert, A., 162 William Lane, Broken Hill	191661	1961	Road Match	132m

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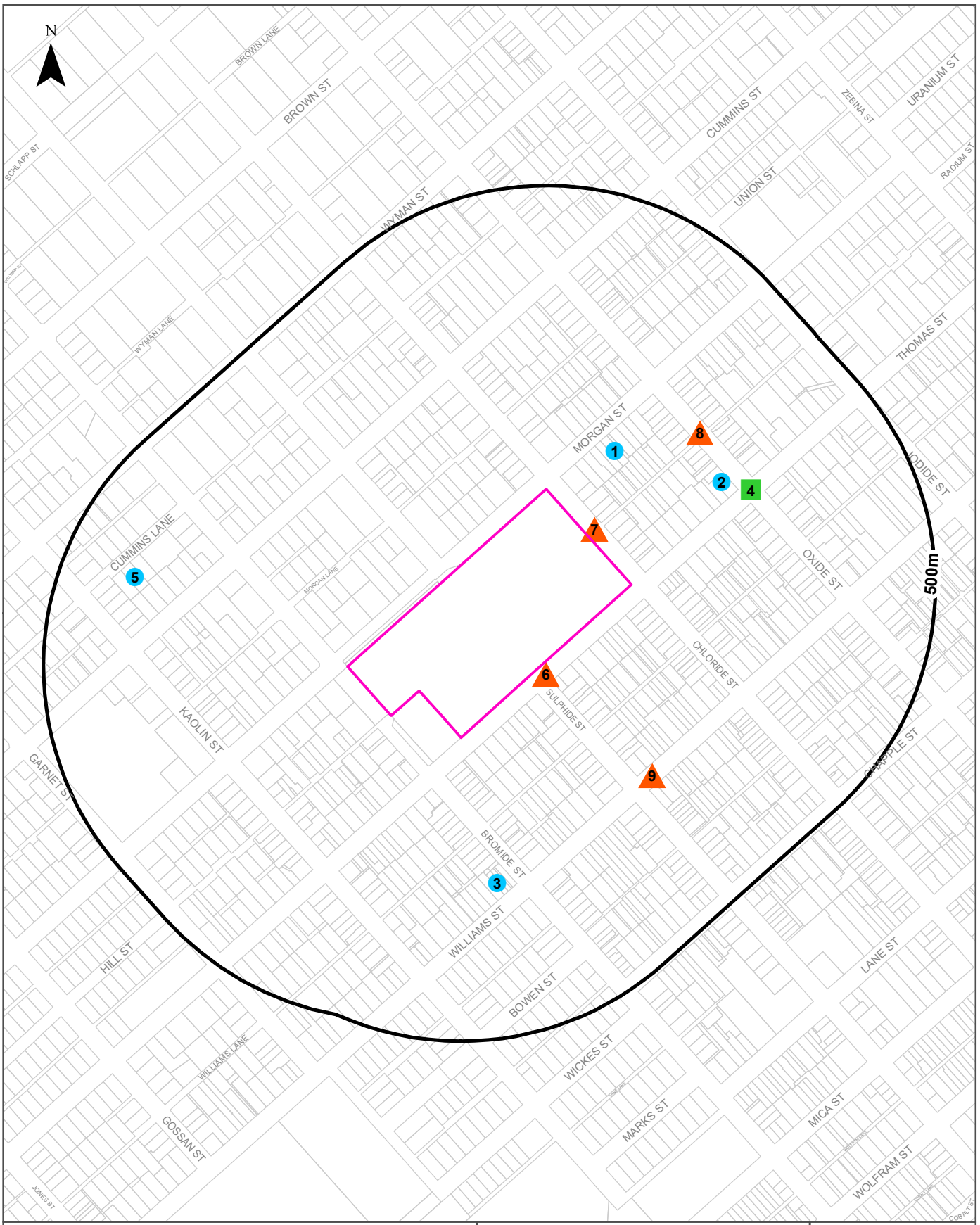
Dry Cleaners, Motor Garages & Service Stations

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Legend

- Site Boundary
- Buffer 500m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 120 240 360 480 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 29 November 2022

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018
Property Boundaries © NSW Department Finance, Services & Innovation 2022

Historical Business Directories

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a premise or road intersection, within the dataset buffer.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	MOTOR GARAGES & SERVICE STATIONS.	R.J.O. Automotive & General Engineering, 331 Morgan St.. Broken Hill (N.S.W.)	169007	1991	Premise Match	119m	North East
2	MOTOR GARAGES & SERVICE STATIONS.	Kees Hille Motors, 342 Thomas St. Broken Hill (N.S.W.)	169004	1991	Premise Match	205m	North East
3	MOTOR GARAGES & SERVICE STATIONS.	Shell Memorial Service Station, 164 William St.. Broken Hill (N.S.W.)	169010	1991	Premise Match	225m	South
	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Nelson's Service Station, 164 William St., Broken Hill	191983	1961	Premise Match	225m	South
	MOTOR GARAGES & ENGINEERS	Gear's Service Station, 164 William St. Broken Hill	152693	1950	Premise Match	225m	South
4	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Ford's, John, Commercial Service Station, Thomas St., Cnr. Oxide St., Broken Hill	191975	1961	Road Intersection	251m	North East
5	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Quinn Motors, 111 Cummins La. Broken Hill 2880	601413	1970	Premise Match	353m	West

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Dry Cleaners, Motor Garages & Service Stations
Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Ford's, J. Commercial Service Station, Thomas St. Broken Hill 2880	601401	1970	Road Match	0m
7	DRY CLEANERS, DYERS & PRESSERS	Valetta Dry Cleaners, 6 Chloride St., Broken Hill	191122	1961	Road Match	0m
8	DRY CLEANERS, DYERS & PRESSERS	Bally's Dry Cleaners, Main Office and Works: Oxide St., Broken Hill	366572	1961	Road Match	236m
	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Chalmers' Service Station, Oxide St., Broken Hill	191971	1961	Road Match	236m
	DRY CLEANERS, DYERS & PRESSERS	Modern Dyers and Dry Cleaners, 239 Oxide St., Broken Hill	366573	1961	Road Match	236m
	DRY CLEANERS & DYERS	Broken Hill Dry Cleaners (J. Angell, Propr.), 109 Oxide St. Broken Hill	152036	1950	Road Match	236m
	MOTOR GARAGES & ENGINEERS	Co-op. Service Station, Oxide St. Broken Hill	152691	1950	Road Match	236m
	MOTOR GARAGES & ENGINEERS	Picken's Garage, Oxide St. Broken Hill	152702	1950	Road Match	236m
	DRY CLEANERS & DYERS	Valetta Dry Cleaners, 22 Oxide St. Broken Hill	152041	1950	Road Match	236m
	MOTOR GARAGES & ENGINEERS	Welsh's Service Station, Oxide St. Broken Hill	152706	1950	Road Match	236m
9	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Memorial Service Station, William St. Broken Hill 2880	601411	1970	Road Match	241m

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Aerial Imagery 2021

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Aerial Imagery 2017

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Scale:
0 50 100 150 200
Meters

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Coordinate System:
GDA 1994 MGA Zone 56

Date: 28 November 2022

Aerial Imagery 2010

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Scale: 0 50 100 150 200 Meters

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Coordinate System: GDA 1994 MGA Zone 56

Date: 28 November 2022

Aerial Imagery 2004

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Scale:
0 50 100 150 200
Meters

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Coordinate System:
GDA 1994 MGA Zone 56

Date: 29 November 2022

Aerial Imagery 1995

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Aerial Imagery 1981

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Aerial Imagery 1975

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Aerial Imagery 1965

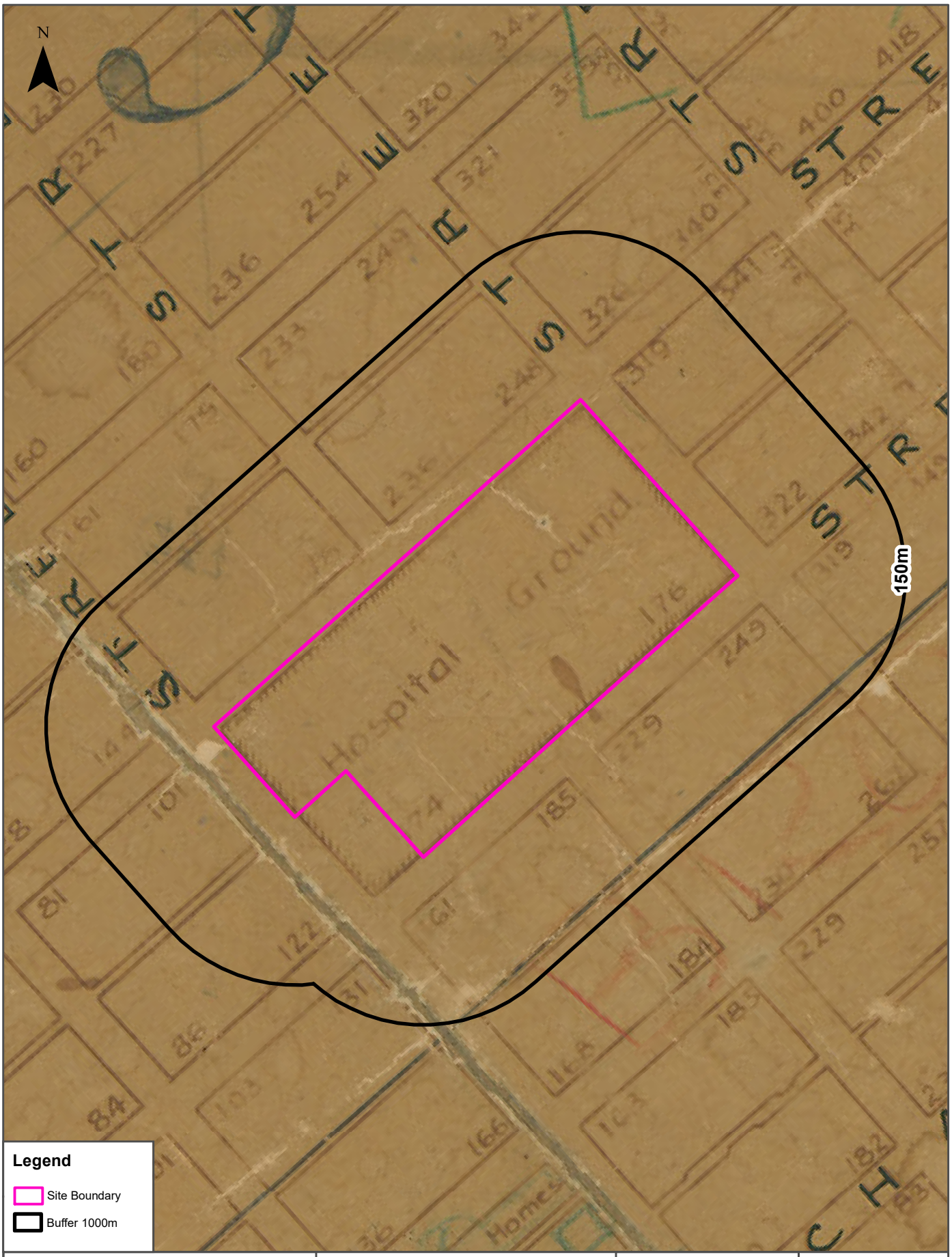
Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Aerial Imagery 1954

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Historical Map Year Unknown

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Topographic Map 2015

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Legend

- Site Boundary
- Buffer 1000m

Scale: 0 175 350 525 700 Meters

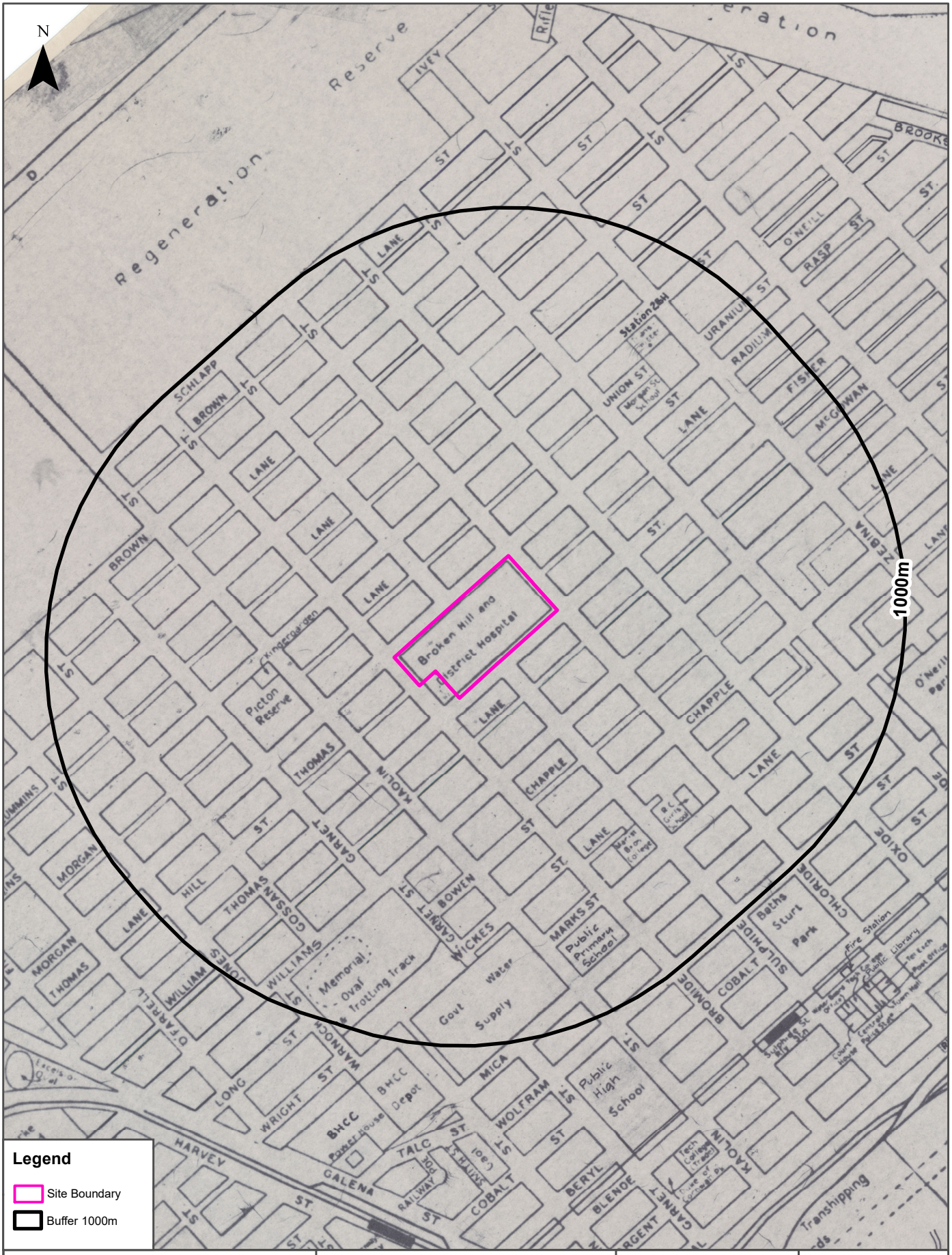
Data Sources: Topographic Map Data © NSW Land and Property Information

Coordinate System: GDA 1994 MGA Zone 56

Date: 29 November 2022

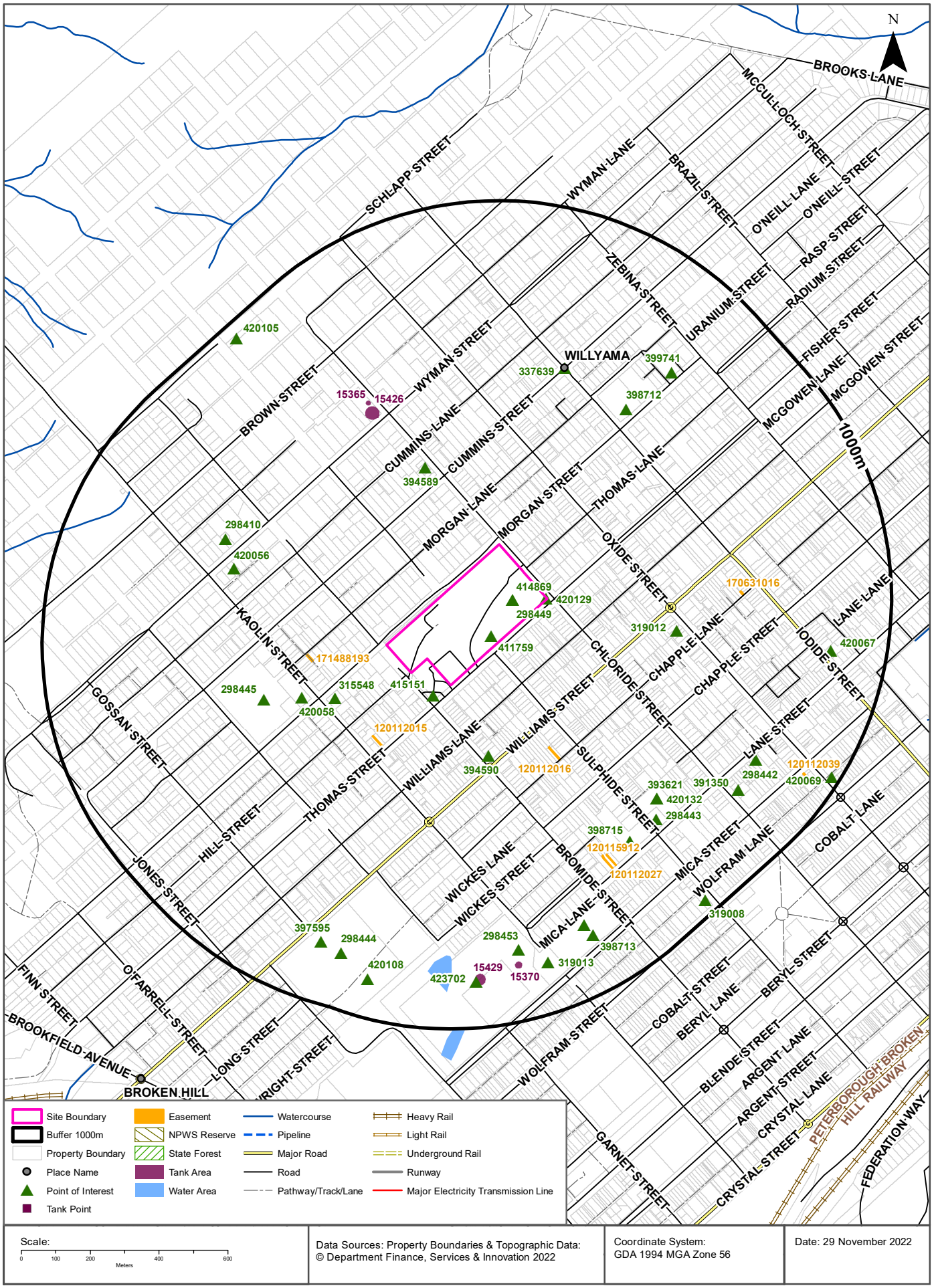
Historical Map 1960

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Topographic Features

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Scale: 0 100 200 400 600 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2022

Coordinate System: GDA 1994 MGA Zone 56

Date: 29 November 2022

Topographic Features

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
411759	Community Medical Centre	BROKEN HILL COMMUNITY HEALTH	0m	On-site
414869	Nursing Home	BROKEN HILL TRANSITIONAL AGED CARE SERVICE	0m	On-site
420129	Monument	SISTER DRUMMOND MEMORIAL PARK	0m	On-site
298449	General Hospital	BROKEN HILL HOSPITAL	0m	On-site
415151	Retirement Village	WAR VETS RETIREMENT LIVING	58m	South West
315548	Art Gallery	ROXANNE MINCHIN GALLERY	214m	South West
394590	Art Gallery	HORIZON ART GALLERY	232m	South
420058	Picnic Area	PLAYGROUND	289m	South West
394589	Art Gallery	HOMESTEAD GALLERY	310m	North
319012	Place Of Worship	UNITING CHURCH	386m	East
298445	Picnic Area	PICTON SPORTSGROUND	390m	West
420056	Tourist Attraction	PRO HART SCULPTURE PARK	495m	West
398712	Primary School	MORGAN STREET PUBLIC SCHOOL	540m	North East
337639	Rural Place	WILLYAMA	547m	North
298410	Art Gallery	PRO HART ART GALLERY	560m	West
393621	Place Of Worship	ST JOSEPHS CONVENT CHAPEL & SITE FORMER	646m	South East
420132	Historic Site	ST JOSEPHS CONVENT CHAPEL AND SITE	646m	South East
398715	Primary School	SACRED HEART PARISH SCHOOL	687m	South East
298443	Place Of Worship	SACRED HEART CATHOLIC CATHEDRAL	689m	South East
399741	Primary School	MORGAN STREET PUBLIC SCHOOL	709m	North East
298442	Place Of Worship	ANGLICAN CHURCH	766m	South East
391350	Gaol	BROKEN HILL JUVENILE JUSTICE CENTRE	786m	South East
298453	Filtration Plant	MICA STREET WATER TREATMENT PLANT	794m	South
415105	Preschool	BROKEN HILL PUBLIC SCHOOL PRESCHOOL	798m	South
397595	Trotting Track	MEMORIAL OVAL PACEWAY	824m	South West
398713	Primary School	BROKEN HILL PUBLIC SCHOOL	835m	South
420067	Community Facility	3RD BROKEN HILL SCOUT HALL	837m	East
298444	Park	MEMORIAL OVAL	839m	South
319013	Lookout	J P KEENAN LOOKOUT	854m	South
423702	Filtration Plant	BROKEN HILL WATER TREATMENT PLANT	865m	South
420108	Monument	BROKEN HILL WAR MEMORIAL	887m	South

Map Id	Feature Type	Label	Distance	Direction
420105	Park	WHITE ROCKS HISTORICAL SITE	955m	North West
319008	Place Of Worship	SALVATION ARMY CHURCH	959m	South East
420069	Community Facility	BROKEN HILL SCOUT HALL	976m	South East

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Topographic Features

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
15426	Water	Operational		01/01/2008	509m	North West
15365	Water	Operational		23/02/2000	553m	North West
15370	Water	Operational		23/02/2000	828m	South
15429	Water	Operational		12/04/2005	844m	South

Tanks (Points)

What are the Tank Points located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Tanks Data Source: © Land and Property Information (2015)
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Major Easements

What Major Easements exist within the dataset buffer?
Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120112015	Primary	Undefined		213m	South West
171488193	Primary	Right of way		217m	West
120112016	Primary	Undefined		325m	South East
170631016	Primary	Right of way		560m	East
120115912	Primary	Undefined		663m	South East
120112027	Primary	Undefined		669m	South East
120112039	Primary	Undefined		900m	South East

Easements Data Source: © Land and Property Information (2015)
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Topographic Features

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

State Forest

What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
N/A	No records in buffer		

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N/A	No records in buffer				

NPWS Data Source: © NSW Department of Finance, Services & Innovation (2018)
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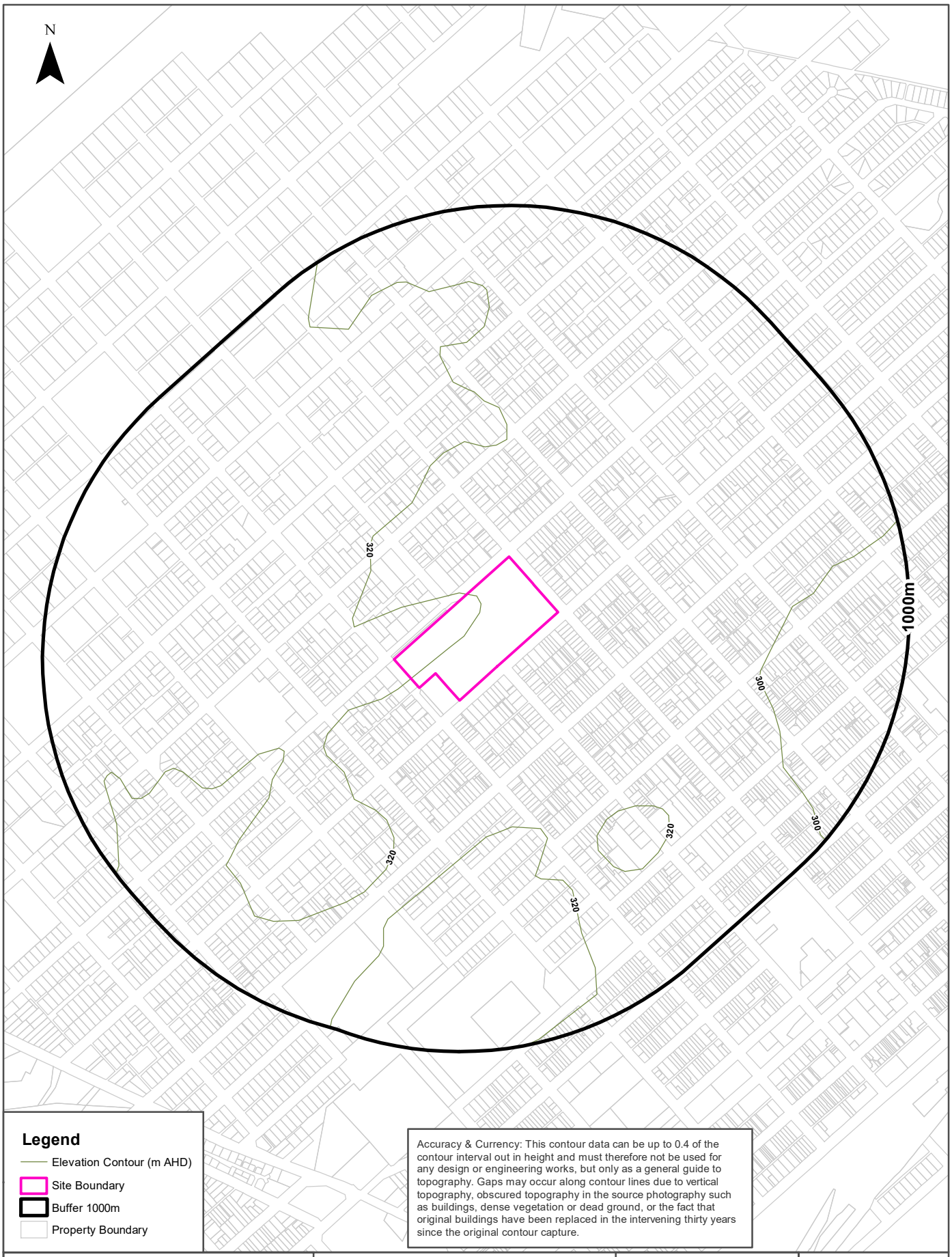
Elevation Contours (m AHD)

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Hydrogeology & Groundwater

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Local aquifers, of generally low productivity	0m	On-site

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

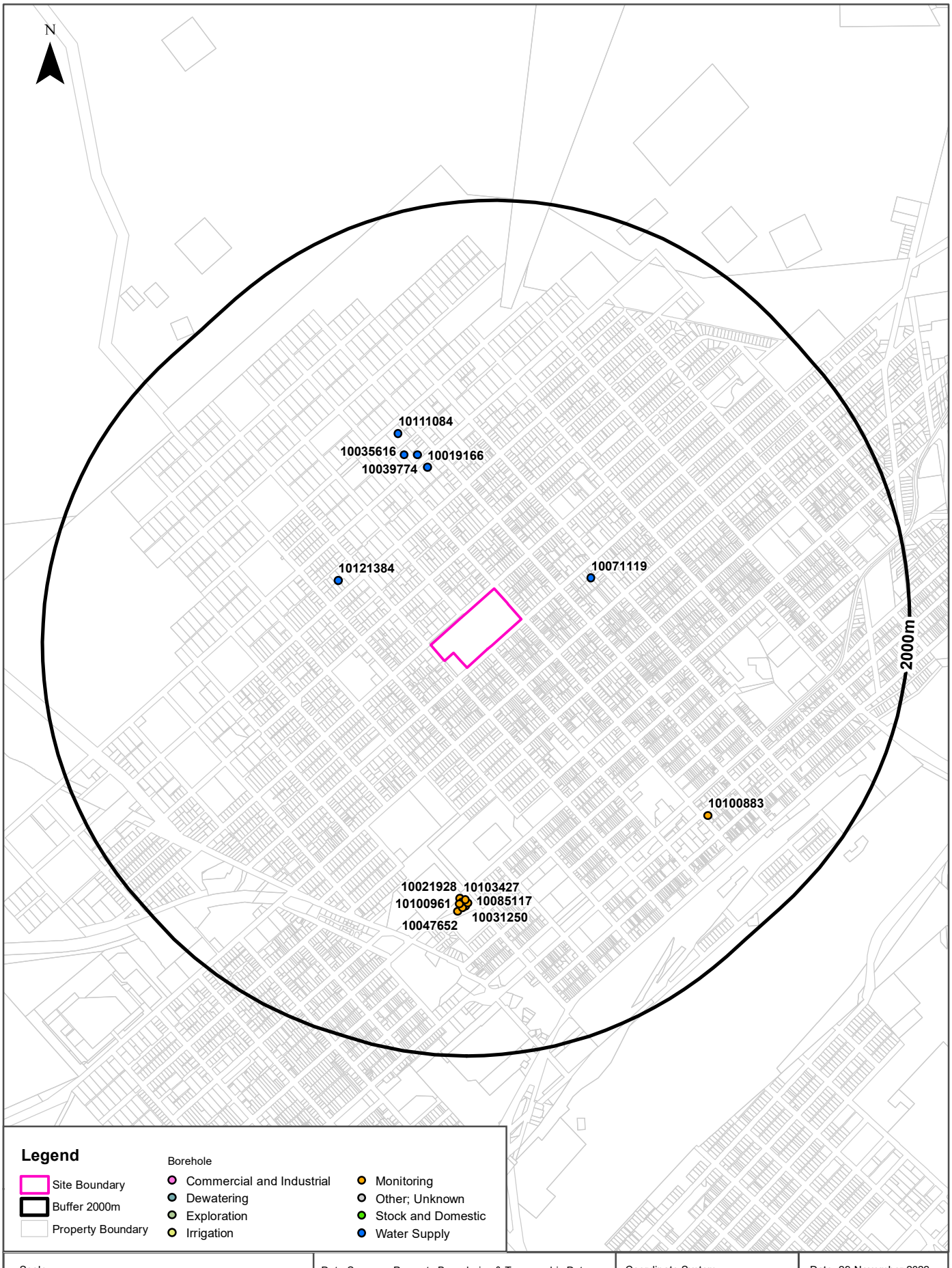
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

Prohibition Area No.	Prohibition	Distance	Direction
N/A	No records in buffer		

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018 Data Source : NSW Department of Primary Industries

Groundwater Boreholes

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Hydrogeology & Groundwater

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Groundwater Boreholes

Boreholes within the dataset buffer:

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10071119	GW600132	Water Supply	Functional	06/07/2006	17.50		AHD		0.015	9.00	417m	North East
10121384	GW600171	Water Supply	Functioning	05/05/2009	30.00		AHD	5814	1.250	15.70	579m	West
10019166	GW803404	Water Supply	Functioning	06/10/2007	31.00		AHD	Good	0.150	22.00	710m	North
10039774	GW600160	Water Supply	Functioning	12/01/2009	30.00		AHD			16.80	792m	North
10035616	GW600162	Water Supply	Functioning	12/01/2009	54.00		AHD			14.00	829m	North West
10111084	GW600163	Water Supply	Functioning	12/01/2009	30.00		AHD				938m	North
10021928	GW600301	Monitoring	Functional	13/07/2011	20.40		AHD			10.95	1191m	South
10103427	GW600304	Monitoring	Functional	13/07/2011	16.00		AHD			7.10	1196m	South
10053889	GW600303	Monitoring	Functional	11/07/2011	12.00		AHD			6.46	1211m	South
10085117	GW600307	Monitoring	Functional	05/07/2011	18.90		AHD				1214m	South
10100961	GW600302	Monitoring	Functional	10/07/2011	20.54		AHD			6.60	1220m	South
10031250	GW600306	Monitoring	Functional	07/07/2011	23.20		AHD			3.62	1227m	South
10062401	GW600305	Monitoring	Functional	08/07/2011	16.00		AHD			3.85	1236m	South
10047652	GW600308	Monitoring	Functional	13/07/2011	12.80		AHD			8.45	1258m	South
10100883	GW500071	Monitoring	Unknown	26/06/1995	7.50		AHD				1398m	South East

Borehole Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Hydrogeology & Groundwater

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Driller's Logs

Drill log data relevant to the boreholes within the dataset buffer:

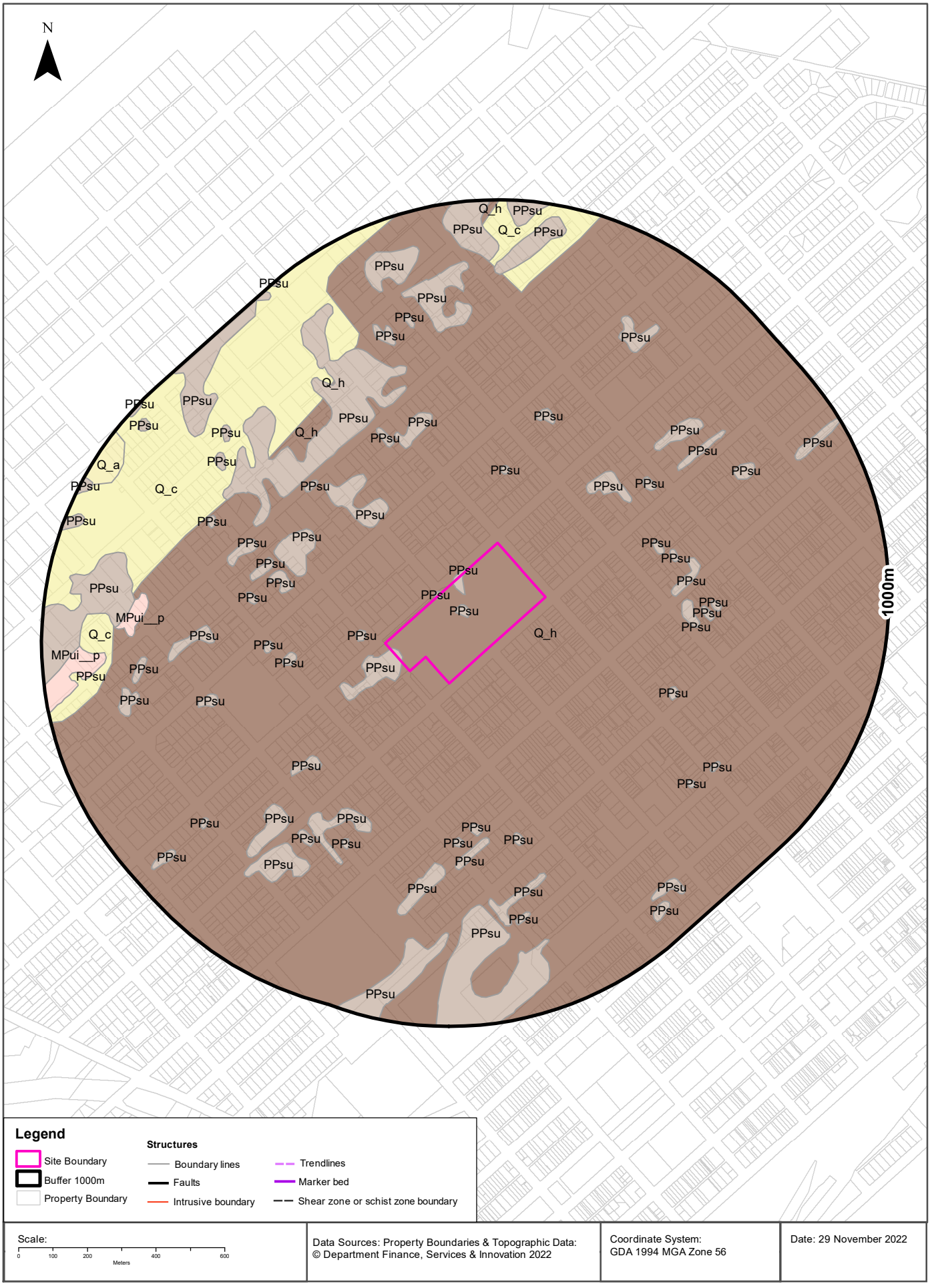
NGIS Bore ID	Drillers Log	Distance	Direction
10071119	0.00m-2.00m Red Clay 2.00m-4.00m Blue Gravelly Slate 4.00m-6.00m Blue Slate 6.00m-9.00m Yellow Clay 9.00m-10.00m Yellow Sand 10.00m-14.00m Blue Shaley Clay 14.00m-14.30m Blue Stone 14.30m-15.50m Brown Conglomerate 15.50m-17.50m Bluestone sump	417m	North East
10121384	0.00m-0.40m Soil Red fg loose 0.40m-26.50m Quartzite light brown fg hard 26.50m-30.00m Quartzite/Pegmatite light brown fg fractured	579m	West
10019166	0.00m-0.50m Clay, red 0.50m-2.00m Granite & Quartz 2.00m-6.00m Decomposed Granite 6.00m-8.00m Granite & basalt 8.00m-10.00m Limestone 10.00m-24.00m Basalt 24.00m-25.50m Basalt, fine white Sand mix (water bearing) 25.50m-31.00m Basalt	710m	North
10039774	0.00m-6.00m Top soil 6.00m-8.00m Mica 8.00m-18.00m Basalt 18.00m-19.00m Basalt, traces of quartz 19.00m-24.00m Basalt, traces of Garnite Mica 24.00m-30.00m Broken Basalt, water bearing	792m	North
10035616	0.00m-1.00m Top soil and fill 1.00m-6.00m Basalt, Mica and Gypsum 6.00m-23.00m Basalt 23.00m-26.00m Broken Basalt 26.00m-54.00m Basalt	829m	North West
10111084	0.00m-1.80m Top Soil 1.80m-16.00m Basalt 16.00m-24.00m Basalt, broken ground 24.00m-30.00m Basalt	938m	North
10021928	0.00m-0.20m Fill 0.20m-20.40m Amphibolite/Granite	1191m	South
10103427	0.00m-0.50m Fill 0.50m-16.00m Amphibolite/Granite	1196m	South
10053889	0.00m-0.05m Asphalt 0.05m-0.40m Fill 0.40m-12.00m Amphibolite/Granite	1211m	South
10085117	0.00m-0.20m Clayey Sand 0.20m-18.90m Amphibolite/Granite	1214m	South
10100961	0.00m-0.35m Asphalt 0.35m-1.00m Fill 1.00m-20.54m Amphobolite/Granite	1220m	South
10031250	0.00m-0.30m Clayey Sand 0.30m-23.20m Amphibolite/Granite	1227m	South
10062401	0.00m-0.30m Clayey Sand 0.30m-16.00m Amphibolite/Granite	1236m	South
10047652	0.00m-0.10m Clayey Sand 0.10m-12.80m Amphibolite/Granite	1258m	South

NGIS Bore ID	Drillers Log	Distance	Direction
10100883	0.00m-0.20m CONCRETE FORECOURT 0.20m-0.40m CLAYEY SAND: GREY BROWN, MOIST MED GRAINED, OCCASIONALLY COARSE (QUARTZ GRAINS- SUBANGULAR) NOTICEABLE HYDROCARBON ODOUR 0.40m-2.10m SANDY SILTY CLAY: GREENY GREY, MOIST, MED TO HIGH PLASTICITY, MOISTURE CONTENT IS GREATER THAN PLASTIC LIMIT, FINE SAND, MICACEOUS, SOME CALCRETE AND QUARTZ GRAVEL TO 10MM, NOTICEABLE HYDROCARBON ODOU 2.10m-4.00m SANDY SILT: ORANGE BROWN, MOIST, TRACE PLASTICITY, FINE TO MED SAND, MICACEOUS, WEATHERED (FRIABLE) SCHISTOSE GRAVEL TO10MM, NOTICEABLE HYDROCARBON ODOUR 4.00m-6.50m GRAVELLY SANDY SILT: PALE GREENY BROWN, SLIGHTLY MOIST, FINE TO MED SAND, MICACEOUS, LOW/TRACE PLASTICITY, SCHISTOSE GRAVEL (GRIABLE) TO10MM THROUGHOUT, HYDROCARBON ODOUR. 6.50m-7.50m SANDY SILT: GREENY BROWN MOIST TO VERY MOIST, LOW PLASTICITY, FINE SAND, SOME WEATHERED SCHISTOSE FRAGMENT FRIABLE 5MM	1398m	South East

Drill Log Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Geology

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Geological Units

What are the Geological Units within the dataset buffer?

Unit Code	Unit Name	Description	Unit Stratigraphy	Age	Dominant Lithology	Distance
Q_h	Anthropogenic deposits	Anthropocene deposits varying from large man-made clasts (concrete blocks to building demolition rubble) to quarried natural boulders, with interstitial sand-sized to clay matrix.	/Anthropogenic deposits////	Quaternary (base) to Now (top)	Anthropogenic material	0m
PPsu	Sundown Group	Abundant pelite - psammopelite rocks, thin pelitic units common (lower half); thin pelite and psammite - psammopelite (upper half); sporadic composite gneiss, grading to metasediment. Small basic gneiss and quartz-gahnite bodies also at base.	Willyama Supergroup/Sundown Group////	Statherian (base) to Statherian (top)	Siliciclastic sedimentary rock	0m
Q_c	Colluvium	Poorly sorted, weakly cemented to unconsolidated colluvial lenses of polymictic conglomerate with medium- to very coarse-grained sand matrix; interspersed with unconsolidated clayey and silty red-brown (aeolian) sand layers, modified by pedogenesis.	/Colluvium////	Quaternary (base) to Now (top)	Clastic sediment	622m
MPui__p	Unassigned Mesoproterozoic intrusions - pegmatite	Pegmatite, deformed leucogranite, or mixtures of these.	/Unassigned Mesoproterozoic intrusions//Unassigned Mesoproterozoic intrusions - pegmatite//	Mesoproterozoic (base) to Mesoproterozoic (top)	Pegmatite	698m
Q_a	Alluvium	Unconsolidated grey to brown to beige humic (±)micaceous silty clay, quartz-(±)lithic silt, fine- to medium-grained quartz-rich to quartz-lithic sand, polymictic pebble to cobble gravel (as sporadic lenses); sporadic palaeosol horizons.	/Alluvium////	Quaternary (base) to Now (top)	Clastic sediment	920m

Linear Geological Structures

What are the Dyke, Sill, Fracture, Lineament and Vein trendlines within the dataset buffer?

Map ID	Feature Description	Map Sheet Name	Distance
No Features			

What are the Faults, Shear zones or Schist zones, Intrusive boundaries & Marker beds within the dataset buffer?

Map ID	Boundary Type	Description	Map Sheet Name	Distance
No Features				

Geological Data Source: Statewide Seamless Geology v2.1, Department of Regional NSW
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Naturally Occurring Asbestos Potential

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Naturally Occurring Asbestos Potential

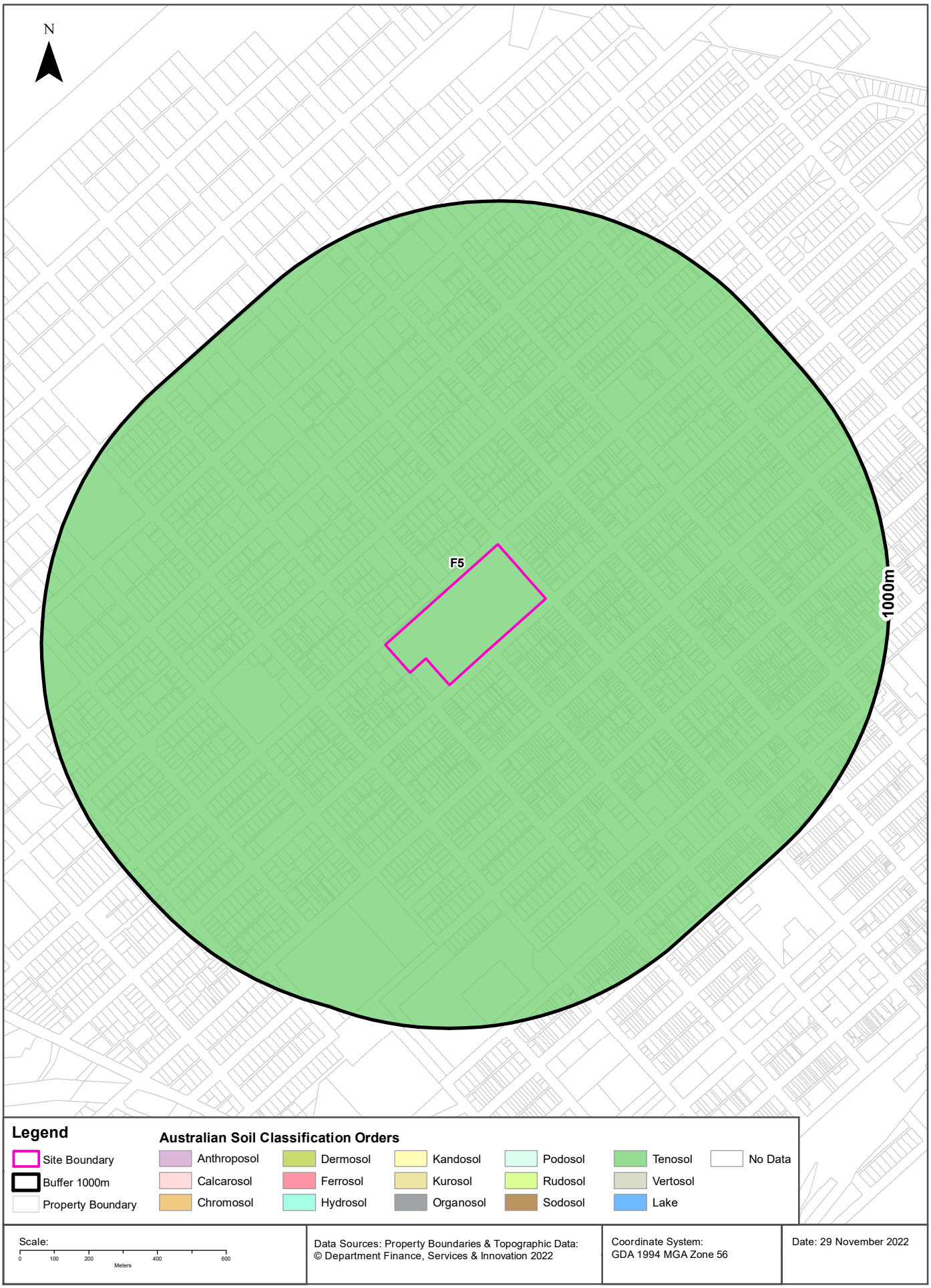
Naturally Occurring Asbestos Potential within the dataset buffer:

Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Naturally Occurring Asbestos Potential Data Source: © State of New South Wales through NSW Department of Industry, Resources & Energy

Atlas of Australian Soils

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Soils

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Atlas of Australian Soils

Soil mapping units and Australian Soil Classification orders within the dataset buffer:

Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
F5	Tenosol	Hilly with small valley plains: shallow dense loamy soils (Um5.41); shallow calcareous loamy soils (Um5.11); and shallow loams (Um1.43) and sands (Uc1.43) occur on the hills. Associated are crusty loamy soils (Dr1.13) and (Dr1.33) and highly calcareous loamy earths (Gc1.12) on pediments, slopes, and in the small valleys. This description is expanded slightly from that given in Sheet 1.	0m	On-site

Atlas of Australian Soils Data Source: CSIRO
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Acid Sulfate Soils

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Environmental Planning Instrument - Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

Soil Class	Description	EPI Name
N/A		

If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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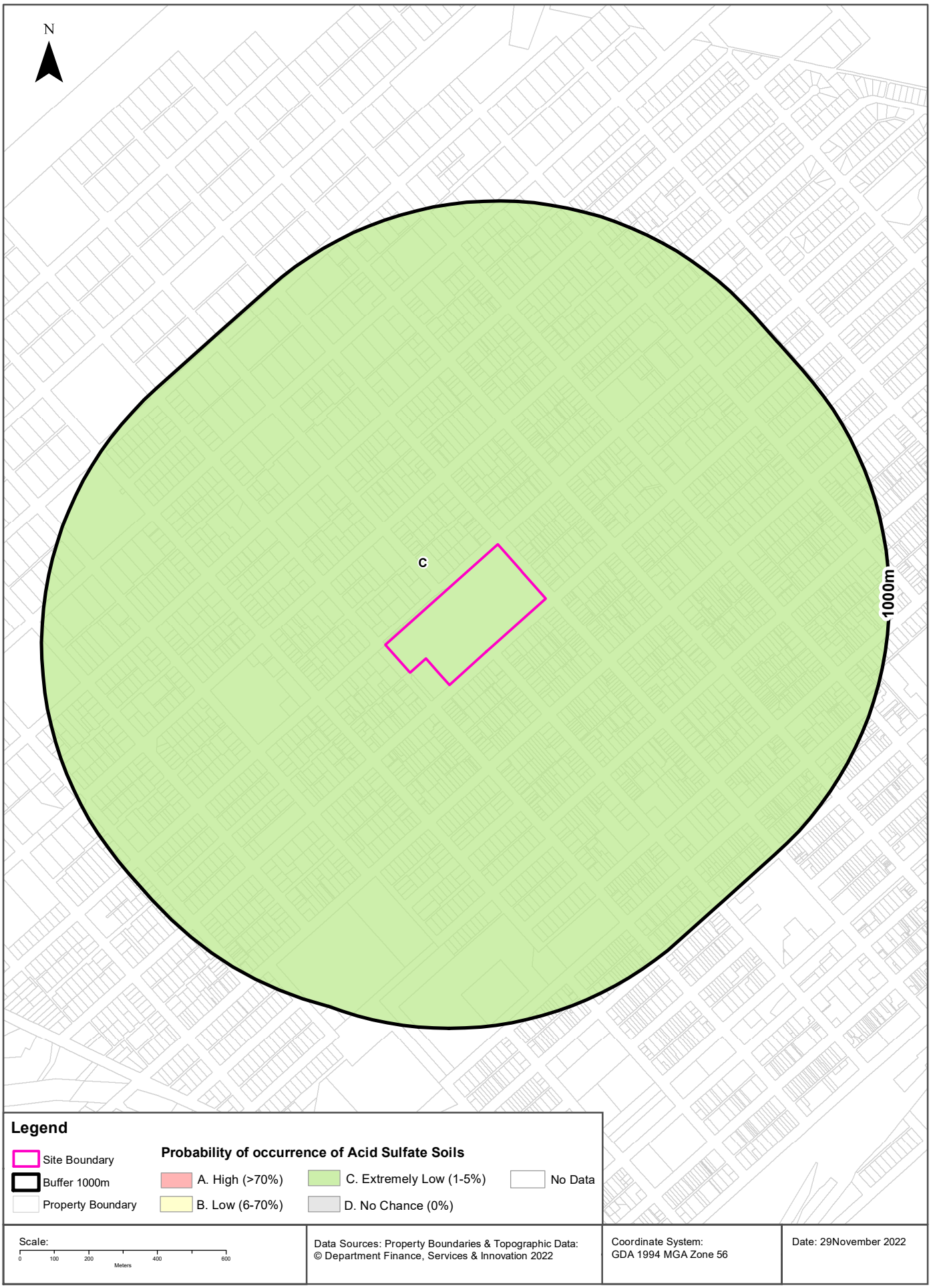
Atlas of Australian Acid Sulfate Soils

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Acid Sulfate Soils

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO
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Dryland Salinity

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

Is there Dryland Salinity - National Assessment data within the dataset buffer?

No

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
N/A	N/A	N/A		

Dryland Salinity Data Source : National Land and Water Resources Audit
The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.
In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Mining

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
There are no Mining Subsidence Districts within the report buffer		

Mining Subsidence District Data Source: © Land and Property Information (2016)
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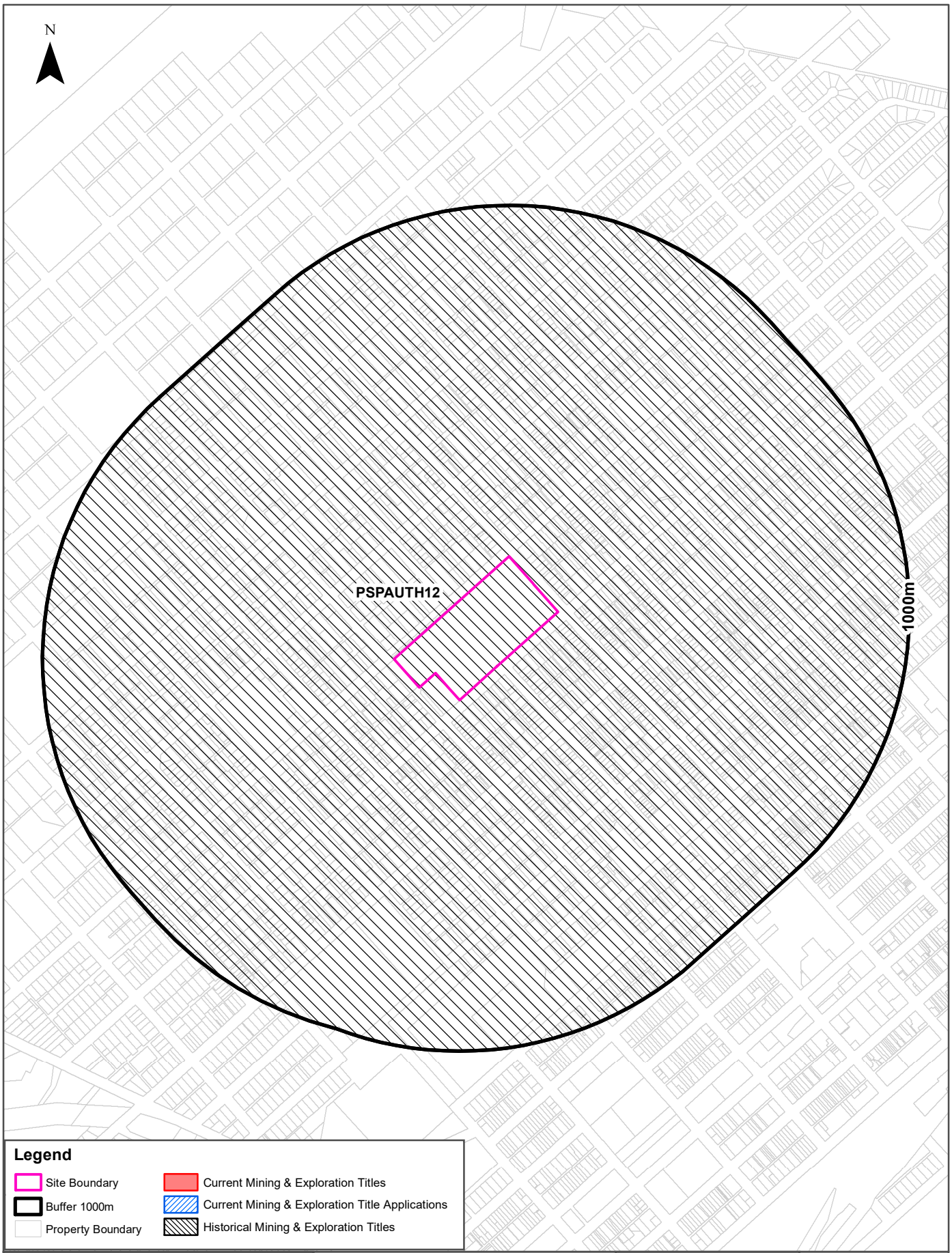
Mining & Exploration Titles

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Mining

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer								

Current Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer						

Current Mining & Exploration Title Applications Data Source: © State of New South Wales through NSW Department of Industry

Mining

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PSPAUTH12	HARDIE INFRASTRUCTURE PTY LTD	20060410	20091007	PETROLEUM	Petroleum	0m	On-site

Historical Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

State Environmental Planning Policy

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

State Significant Precincts

What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No records in buffer							

State Environment Planning Policy Data Source: NSW Crown Copyright - Planning & Environment
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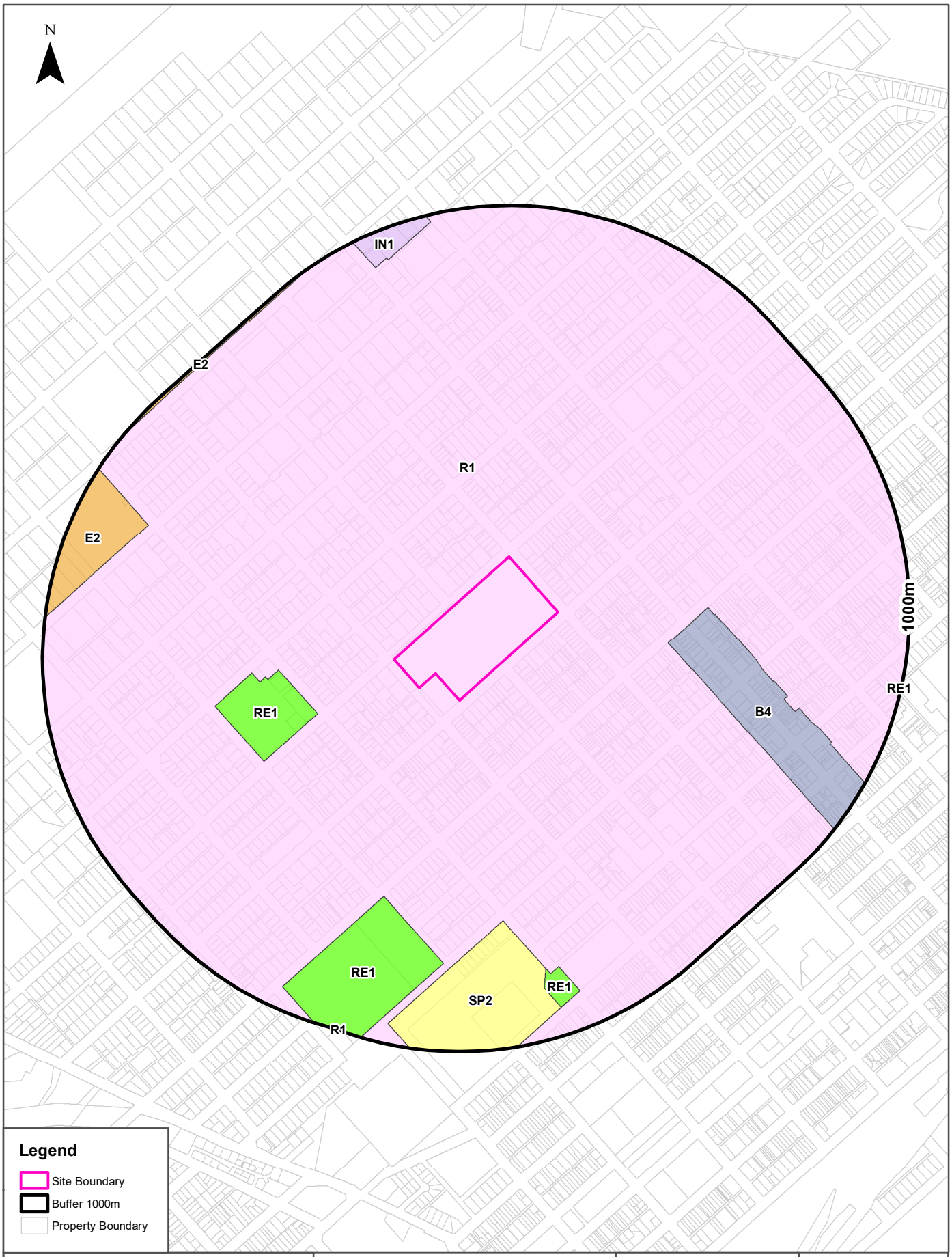
EPI Planning Zones

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Environmental Planning Instrument

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Land Zoning

What EPI Land Zones exist within the dataset buffer?

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R1	General Residential		Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		0m	On-site
RE1	Public Recreation		Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		267m	West
B4	Mixed Use		Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		323m	East
RE1	Public Recreation		Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		598m	South
SP2	Infrastructure	Water Supply System	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		639m	South
E2	Environmental Conservation		Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		797m	West
RE1	Public Recreation		Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		801m	South
IN1	General Industrial		Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		907m	North
RE1	Public Recreation		Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	19/12/2014		984m	East

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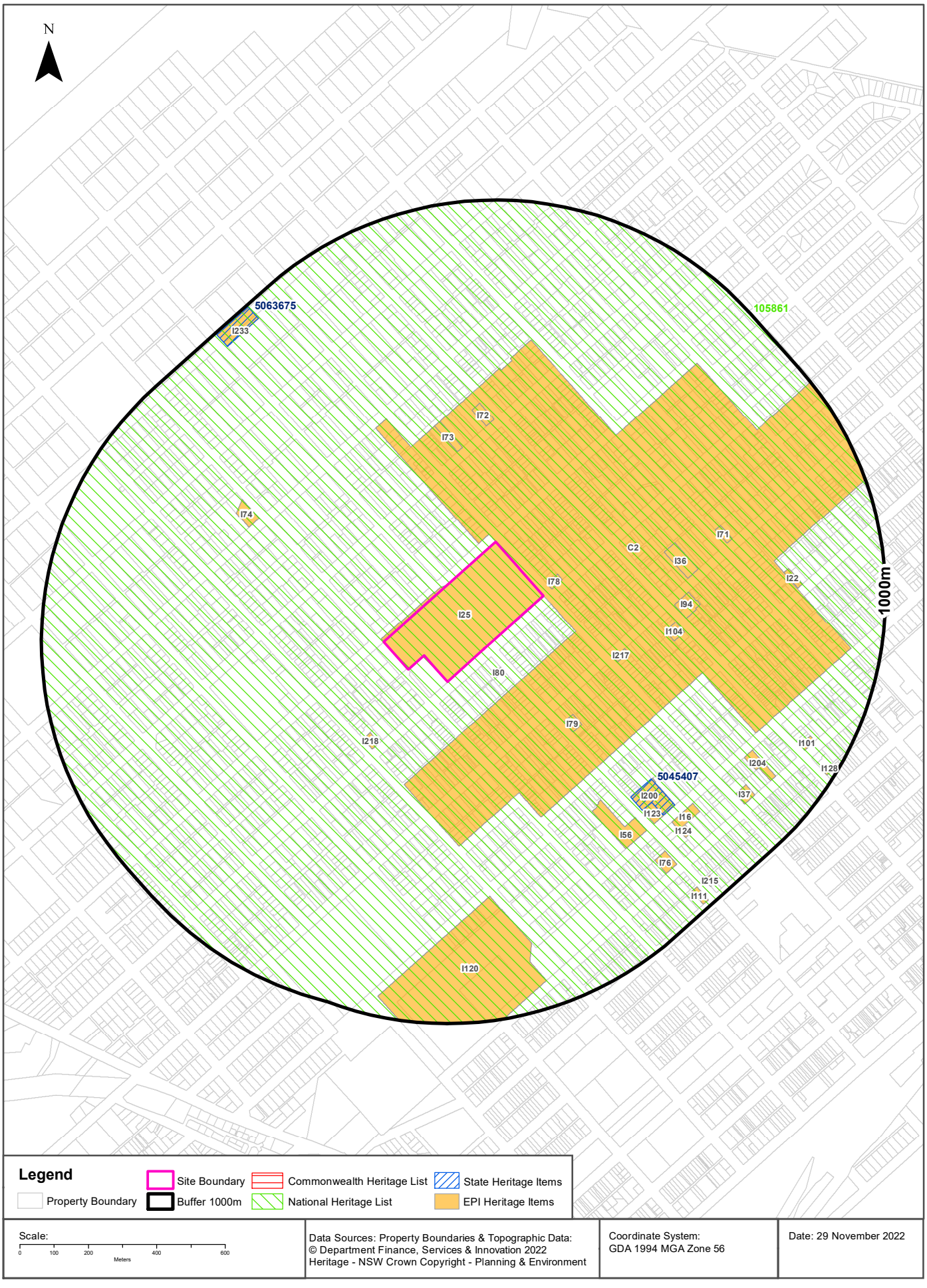
Heritage Items

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Heritage

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?
Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
105861	City of Broken Hill	Silver City Hwy, Broken Hill NSW	1/04/370/0044	Historic	Minister considering decision within extended period		0m	On-site

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

What are the State Heritage Register Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5045407	St Josephs Convent, Chapel & Site (former)	Sulphide Street, Broken Hill	BROKEN HILL	02/04/1999	00484	1212	609m	South East
5063675	1915 Picnic Train Attack and White Rocks Reserve	Broken Hill	BROKEN HILL	29/06/2018	02002	3156	949m	North West

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage
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Environmental Planning Instrument - Heritage

What are the EPI Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I25	Old areas of Broken Hill Hospital	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	0m	On-site

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
C2	Oxide Street Heritage Conservation Area and Willyama Precinct	Conservation Area - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	0m	East
I78	House and shop	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	31m	East
I80	House	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	72m	South East
I218	Thomas Street Methodist Church (former)	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	216m	South West
I217	Thomas Bakery (former)	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	274m	East
I73	House	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	287m	North
I79	Houses	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	314m	South East
I72	House	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	340m	North
I104	Miraga Day Care Centre (former Oxide Street Methodist Church)	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	369m	East
I36	Allison House Student Accommodation (former Bush Children's Hostel)	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	374m	East
I94	Mulga Hill Tavern	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	381m	East
I74	House	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	514m	North West
I71	House	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	536m	East
I56	Sacred Heart Parish Primary School (former Marist Brothers College)	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	555m	South East
I200	St Joseph's Convent, Chapel and site (former)	Item - General	State	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	609m	South East
I120	Reservoir, Mica Street Filtration Plant	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	639m	South
I123	Sacred Heart Cathedral	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	660m	South East
I22	Broken Hill Baptist Church	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	704m	East
I16	Bishop's House	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	742m	South East
I204	St Peters Anglican Church	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	752m	South East
I124	Hall (former Sacred Heart Church)	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	772m	South East
I76	House - ZC-NBHC Bachelors Quarters (former)	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	792m	South East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I37	Caledonian Hotel (former)	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	806m	South East
I101	Old Royal Hotel	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	865m	East
I111	Police House	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	931m	South East
I215	The Towers	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	932m	South East
I233	White Rocks Reserve	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	949m	North West
I128	Scout hall	Item - General	Local	Broken Hill Local Environmental Plan 2013	30/08/2013	30/08/2013	30/08/2013	970m	South East

Heritage Data Source: NSW Crown Copyright - Planning & Environment
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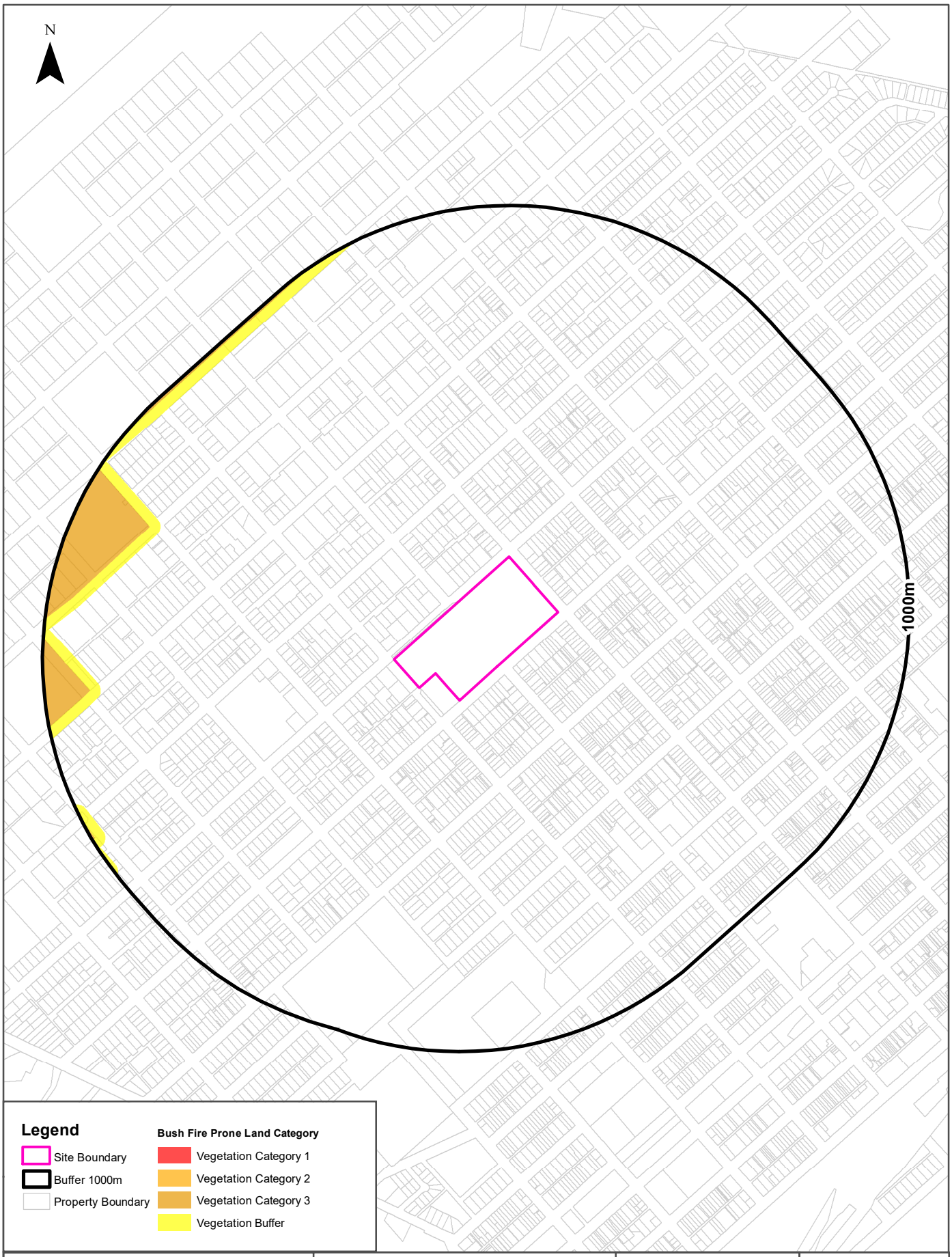
Natural Hazards - Bush Fire Prone Land

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Data Sources: Bush Fire Prone Land: © NSW Rural Fire Service 2022. Property Boundaries: © Department Finance, Services & Innovation 2022

Coordinate System: GDA 1994 MGA Zone 56

Date: 29 November 2022

Natural Hazards

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Bush Fire Prone Land

What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
Vegetation Buffer	761m	West
Vegetation Category 3	791m	West

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Ramsar Wetlands

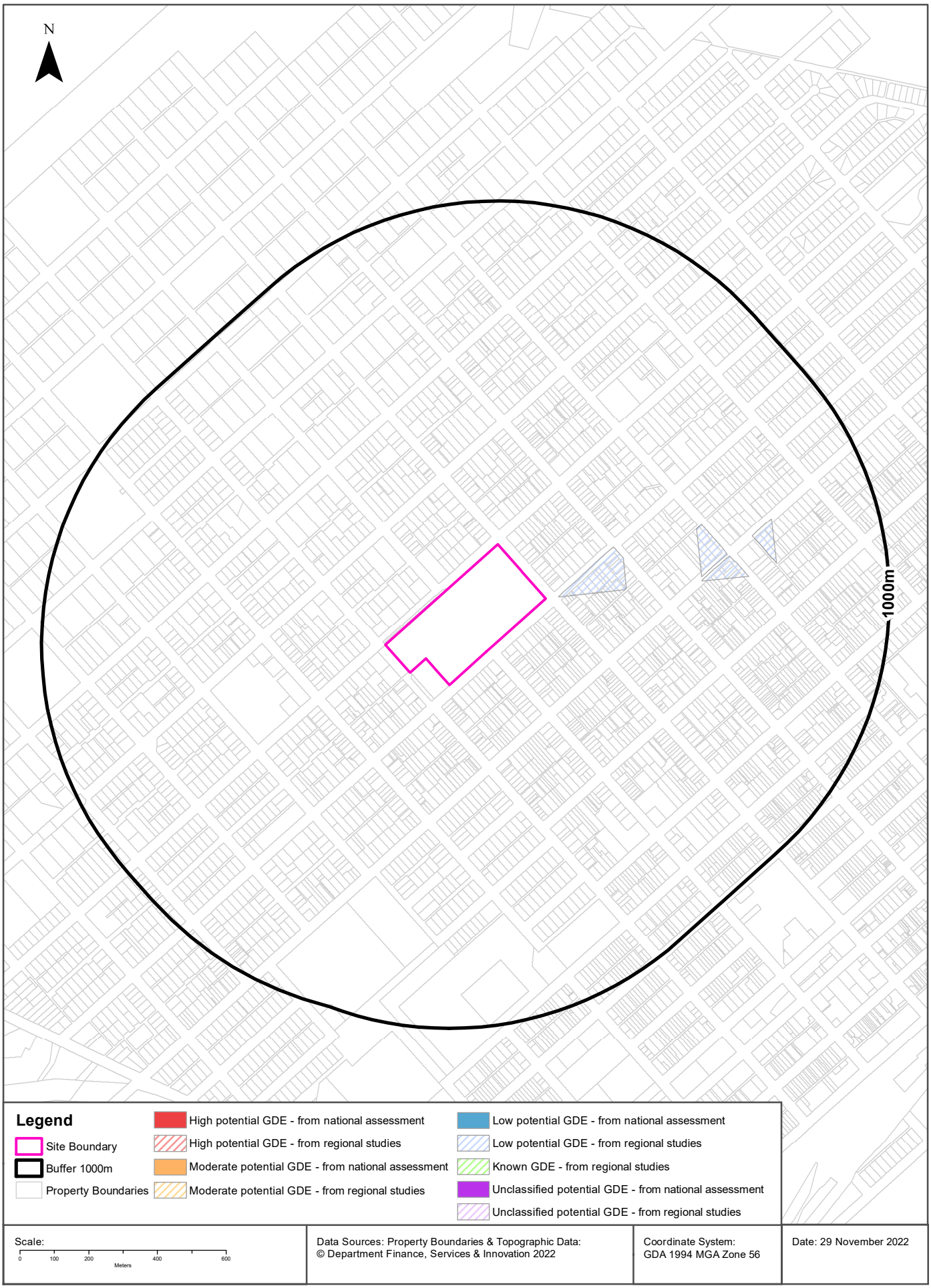
What Ramsar Wetland areas exist within the dataset buffer?

Map Id	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Agriculture, Water and the Environment

Ecological Constraints - Groundwater Dependent Ecosystems Atlas

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Ecological Constraints

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	Low potential GDE - from regional studies	Ranges and undulating lowlands of granite and metamorphics.	Vegetation		34m	East

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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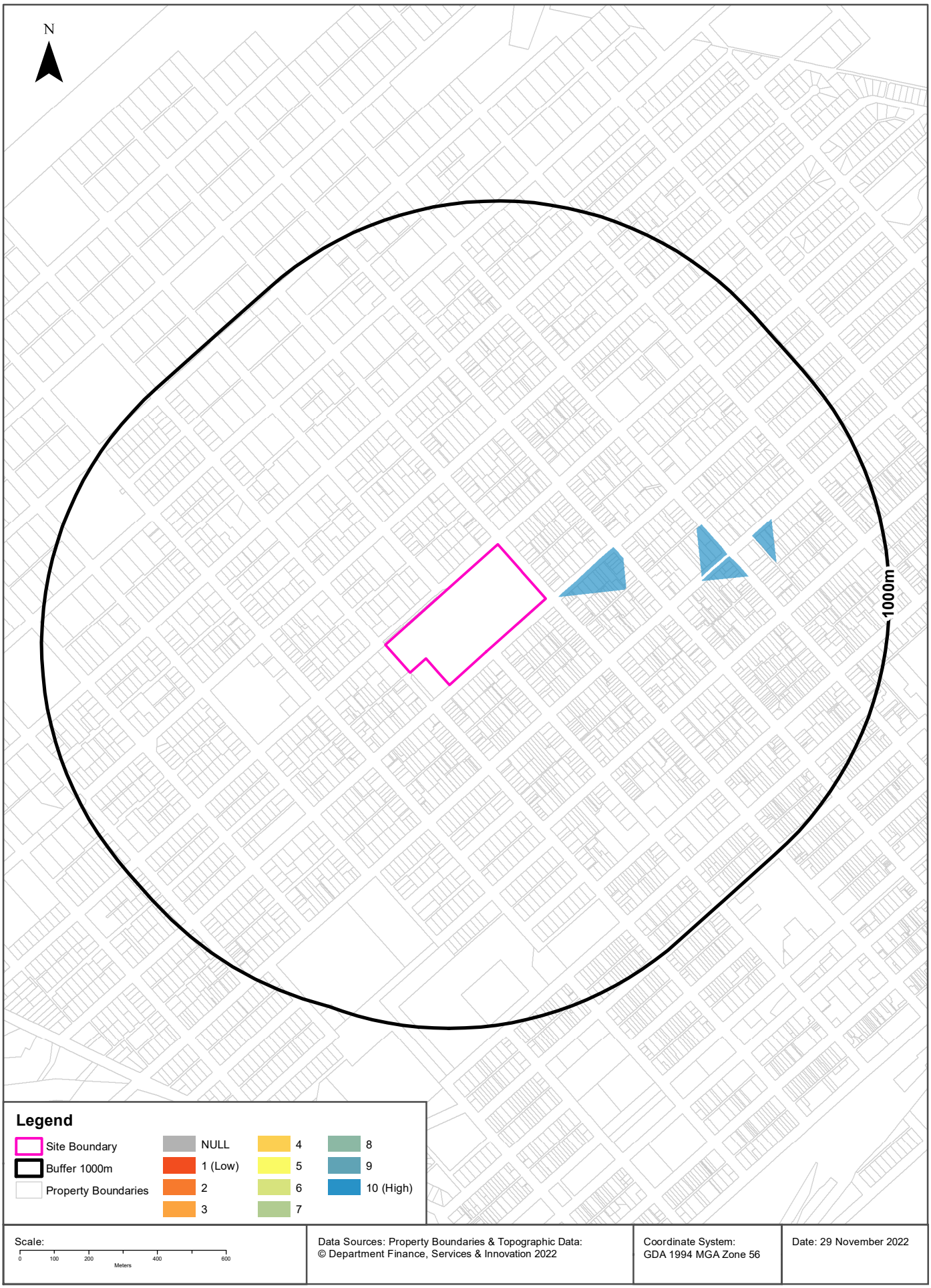
Ecological Constraints - Inflow Dependent Ecosystems Likelihood

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880



Ecological Constraints

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	10	Ranges and undulating lowlands of granite and metamorphics.	Vegetation		34m	East

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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Ecological Constraints

Broken Hill Hospital, 176 Thomas Street, Broken Hill, NSW 2880

NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Actitis hypoleucos	Common Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Arenaria interpres	Ruddy Turnstone	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Burhinus grallarius	Bush Stone-curlew	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Calamanthus campestris	Rufous Fieldwren	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Calidris ferruginea	Curlew Sandpiper	Endangered	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Certhionyx variegatus	Pied Honeyeater	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Circus assimilis	Spotted Harrier	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Epthianura albifrons	White-fronted Chat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Falco hypoleucos	Grey Falcon	Endangered	Category 2	Not Listed	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hamirostra melanosternon	Black-breasted Buzzard	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Lophochroa leadbeateri	Major Mitchell's Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Melanodryas cucullata cucullata	Hooded Robin (south-eastern form)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Oxyura australis	Blue-billed Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pezoporus occidentalis	Night Parrot	Extinct	Not Sensitive	Endangered	
Animalia	Aves	Pyrrholaemus brunneus	Redthroat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Rostratula australis	Australian Painted Snipe	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Tringa nebularia	Common Greenshank	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Mammalia	Chalinolobus picatus	Little Pied Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Leporillus conditor	Greater Stick-nest Rat	Extinct	Not Sensitive	Vulnerable	
Animalia	Mammalia	Notomys fuscus	Dusky Hopping-mouse	Endangered	Not Sensitive	Vulnerable	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Mammalia	Pseudomys bolami	Bolam's Mouse	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Sminthopsis macroura	Stripe-faced Dunnart	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Ctenophorus mirrityana	Barrier Range Dragon	Endangered	Not Sensitive	Not Listed	
Animalia	Reptilia	Pseudonaja modesta	Ringed Brown Snake	Endangered	Not Sensitive	Not Listed	
Animalia	Reptilia	Tiliqua occipitalis	Western Blue-tongued Lizard	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Tympanocryptis lineata	Canberra Grassland Earless Dragon	Critically Endangered	Not Sensitive	Endangered	
Plantae	Flora	Acacia carneorum	Purple-wood Wattle	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia notabilis	Mallee Golden Wattle	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Acacia rivalis	Creek Wattle	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus leucoxylon subsp. pruinosa	Yellow Gum	Vulnerable	Not Sensitive	Not Listed	

Data does not include NSW category 1 sensitive species.
NSW BioNet: © State of NSW and Office of Environment and Heritage

Location Confidences

Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading “LC” or “LocConf”. These codes lookup to the following location confidences:

LC Code	Location Confidence
Premise Match	Georeferenced to the site location / premise or part of site
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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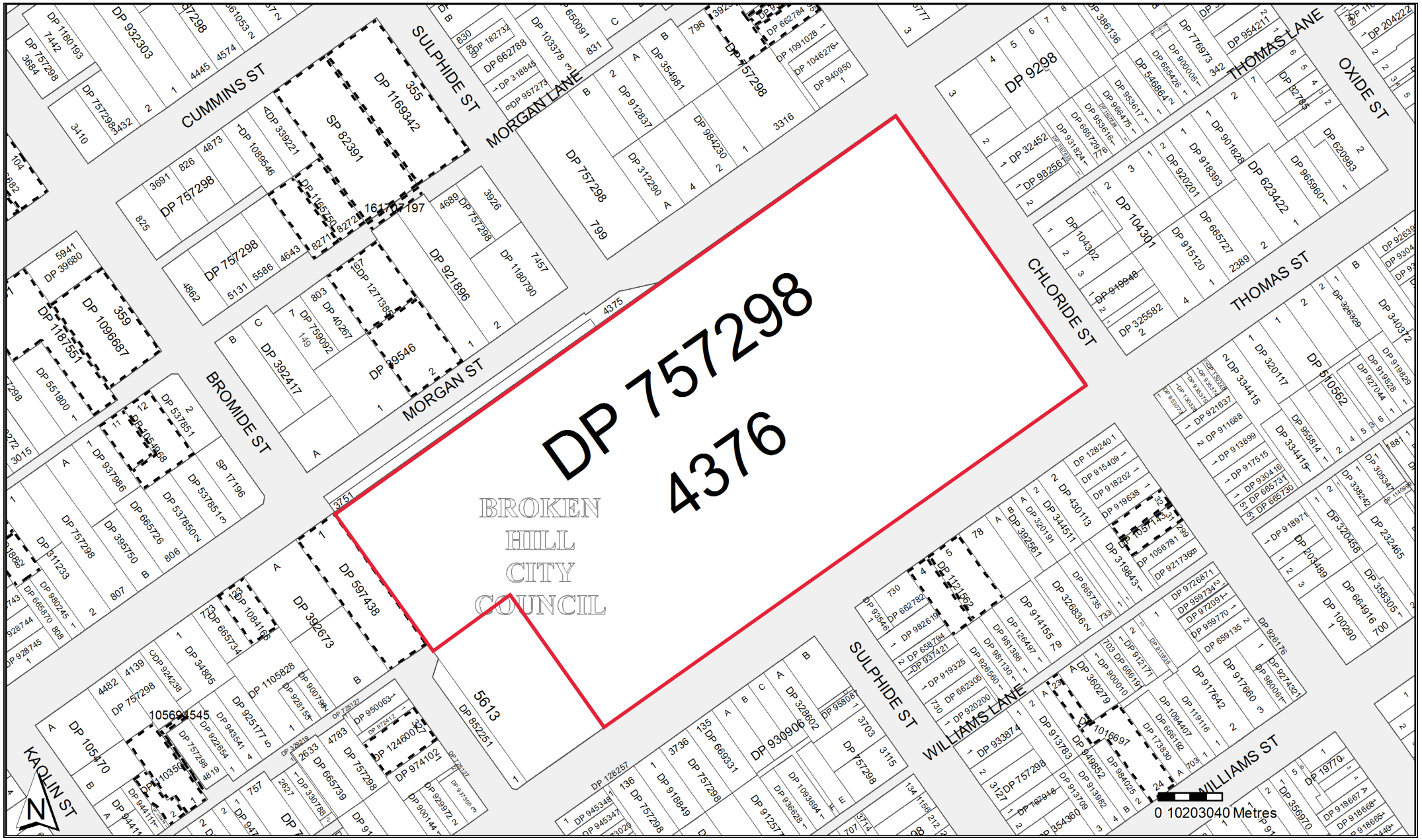
Appendix D Land Title

Cadastral Records Enquiry Report : Lot 4376 DP 757298

Ref : LS038494_EP Broken Hill Hospital

Locality : BROKEN HILL
Parish : PICTON
LGA : BROKEN HILL
County : YANCOWINNA



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This information is provided as a searching aid only.Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps

Req:R827200 /Doc:CP 01842-2186 P /Rev:28-Nov-2012 /NSW LRS /Prt:30-Nov-2022 15:18 /Seq:1 of 1
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Original Plan Cat^d Y.1982186R

Y1842 2186

NOTATION PLAN

Papers

OF HOSPITAL SITE

PORTION 4376 (adopted)

County of Yancowinna Parish of Picton

Resumed Area Nº

Pastoral Holding

Land District Willyama - Western Land Board District

Division

① Grant issued to The Broken Hill and District Hospital vide Parks 33·542 / Pt. Total Area {now 21a 0r 26p vide Gaz. 30-9-1960 / 22a 2r 26p See also Y1439 & 1841 2186}

Within the Suburbs of Willyama

Within the Albert Gold Field. Proclaimed 25th February 1881

Trustees appointed vide Misc 90·5088

{Unnecy part of Morgan St (hatched red) closed. Gaz 10th Jany 1912, Rds 11·840}

Y1842 2186

4376

① Site

Hospital

Rights or Business License January 1889 – Revoked 8.8.47

11th June 1889

Occupation under Miners Right Notified 8th Dedicated

22. 0. 0

20. 2. 0. by deduction

Plan of Portion 4876
Approved for area 20a. 2r. 0p.
by dedn
4-10-60
Draftsman

PLAN MICROFILMED
NO ADDITIONS OR AMENDMENTS TO BE MADE

Improvements	
POR.	Value

Corners

Cor.	Bearing	From	Links	Nº on Tree

Traverse

Cor.	Bearing	From	Links	Nº on Tree	Line	Bearing	Dist.	Line	Bearing	Dist.

Por.	Purchaser	Final Result	Ex^d for Desc^pn	Deed issued

1842. 2186

Scale 4 Chains to an Inch.

Azimuth taken from W.I. 2492 R.

Surveyed by Tho^s H. Bell

on the December 1887

Field Book Nº Fol.

Examined A.D. Lusher Noted &c 25 Jan 1910

Plan approved Ernest Vaughan

Draftsman in Charge

Nº of Lith. 00·559 0

Lithographed and Printed at the Department of Lands, Sydney, N.S.W. 1929

Cat Nº 1198[illegible] Y 1842 2186

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

30/11/2022 3:19PM

FOLIO: 4376/757298

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 4598 FOL 214

Recorded	Number	Type of Instrument	C.T. Issue
20/2/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
7/2/1996		CONVERTED TO AUTO CONSOL 4598-214	CONSOL CREATED CT NOT ISSUED
11/11/2019	AP674181	DEPARTMENTAL DEALING	

*** END OF SEARCH ***

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Received: 30/11/2022 15:19:25

LAND REGISTRY SERVICES Historical Search

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
30/11/2022 3:20PM

FOLIO: AUTO CONSOL 4598-214

Recorded	Number	Type of Instrument	C.T. Issue
7/2/1996		CONSOL HISTORY RECORD CREATED FOR AUTO CONSOL 4598-214	
		PARCELS IN CONSOL ARE: 3751/757298, 4375-4376/757298.	
8/2/1996	O900011	DEPARTMENTAL DEALING	EDITION 1
17/4/1996	2073379	LEASE	
17/4/1996	2073380	VARIATION OF LEASE	EDITION 2
29/6/2010	AF114642	REJECTED - LEASE	
29/6/2010	AF371591	REJECTED - REQUEST	
19/8/2010	AF682922	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	
19/8/2010	AF682921	APPLICATION TO RECORD A NEW REGISTERED PROPRIETOR	EDITION 3
15/2/2011	AF734770	LEASE	EDITION 4
5/12/2016	AK974647	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	
5/12/2016	AK974648	APPLICATION TO RECORD A NEW REGISTERED PROPRIETOR	
5/12/2016	AK974649	SURRENDER OF LEASE	
5/12/2016	AK974650	LEASE	EDITION 5
11/11/2019	AP408658	REQUEST	
11/11/2019	AP674181	DEPARTMENTAL DEALING	EDITION 6

*** END OF SEARCH ***

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Received: 30/11/2022 15:20:13

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Form: 04RP
Release: 2.3
www.lands.nsw.gov.au

APPLICATION TO RECOI
NEW REGISTERED PROPRII

New South Wales
Section 46C Real Property Act 19
Section 12(4) Trustee Act 1925

AF682921S

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY — Office of State Revenue use only

(A) **TORRENS TITLE** — AUTO CONSOL 4598-214

(B) **REGISTERED DEALING** — Number: | Torrens Title:

(C) **LODGED BY**

Document Collection Box	Name, Address or DX, Telephone, and LLPN if any	CODE
411B	LLPN 123283 V ~~TRAVERS & CO~~ Suite 403, Level 4, 38 York St Sydney NSW 2000 DX 590 SYDNEY Mobile: 0415 206 800 Reference: SB / BROKEN HILL	RP

(D) **APPLICANT** — GREATER WESTERN AREA HEALTH SERVICE

(E) **PRESENT REG'D PROPRIETOR** — FAR WEST HEALTH SERVICE

(F) **NEW REG'D PROPRIETOR** — GREATER WESTERN AREA HEALTH SERVICE — OPP L 2073379

(G) **APPLICATION UNDER SECTION 46C REAL PROPERTY ACT 1900**

In regard to the above land, the applicant requests the Registrar General to record the new registered proprietor on the above folio of the Register, the land having vested in the new proprietor pursuant to—

(H) Schedule 7 - Health Sevices Act 1997 No 154 and Government Gazette No 166 Folio 8131 dated 22/10/2004

(G) **APPLICATION UNDER SECTION 12(4) TRUSTEE ACT 1925** *NOT APPLICABLE*

In regard to the above land, the applicant requests the Registrar General to record the new registered proprietor on the folio of the Register consequent on—

(I)

DATE 27 July 2010

(J) I certify that the person(s) signing opposite, with whom I am personally acquainted or as to whose identity I am otherwise satisfied, signed this instrument in my presence.

Signature of witness:

Name of witness: Carolyn Jensen

Address of witness: PO Box 4061
DUBBO NSW 2830

Certified correct for the purposes of the Real Property Act 1900 by the authorised officer named below.

Signature of authorised officer:

Authorised officer's name: Danny O'Connor
Authority of officer: Chief Executive
Signing on behalf of: Greater Western AHS

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:2 of 10
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Orders

New South Wales

Health Services (Amalgamation of Area Health Services) Order 2004

under the

Health Services Act 1997

MARIE BASHIR, Governor

I, Professor Marie Bashir AC, Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 20 (1) of the *Health Services Act 1997*, make the following Order.

Dated, this 20th day of October 2004.

By Her Excellency's Command,

MORRIS IEMMA, M.P.,
Minister for Health

Explanatory note

The object of this Order is to amalgamate the area health services listed in Schedule 1 to the *Health Services Act 1997*. The area health services listed in Column 2 are amalgamated into the area health services listed in Column 1.

Column 1	Column 2
Amalgamated area health service	**Old area health services**
Greater Southern Area Health Service	Greater Murray Area Health Service Southern Area Health Service
Greater Western Area Health Service	Far West Area Health Service Macquarie Area Health Service Mid Western Area Health Service
Hunter and New England Area Health Service	Hunter Area Health Service New England Area Health Service

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:3 of 10
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Health Services (Amalgamation of Area Health Services) Order 2004

Explanatory note

Column 1	Column 2
Amalgamated area health service	**Old area health services**
North Coast Area Health Service	Mid North Coast Area Health Service Northern Rivers Area Health Service
Northern Sydney and Central Coast Area Health Service	Central Coast Area Health Service Northern Sydney Area Health Service
South Eastern Sydney and Illawarra Area Health Service	Illawarra Area Health Service South Eastern Sydney Area Health Service
Sydney South West Area Health Service	Central Sydney Area Health Service South Western Sydney Area Health Service
Sydney West Area Health Service	Wentworth Area Health Service Western Sydney Area Health Service

This Order is made under section 20 (1) of the *Health Services Act 1997*.

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:4 of 10
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Health Services (Amalgamation of Area Health Services) Order 2004

under the

Health Services Act 1997

1 Name of Order

This Order is the *Health Services (Amalgamation of Area Health Services) Order 2004*.

2 Commencement

This Order commences on 1 January 2005.

3 Amalgamation of area health services

The area health services listed below in Column 2 are amalgamated to form the area health services listed opposite in Column 1:

Column 1	Column 2
Amalgamated area health service	**Old area health services**
Greater Southern Area Health Service	Greater Murray Area Health Service Southern Area Health Service
Greater Western Area Health Service	Far West Area Health Service Macquarie Area Health Service Mid Western Area Health Service
Hunter and New England Area Health Service	Hunter Area Health Service New England Area Health Service
North Coast Area Health Service	Mid North Coast Area Health Service Northern Rivers Area Health Service
Northern Sydney and Central Coast Area Health Service	Central Coast Area Health Service Northern Sydney Area Health Service
South Eastern Sydney and Illawarra Area Health Service	Illawarra Area Health Service South Eastern Sydney Area Health Service

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:5 of 10
© Office of the Registrar-General /Src:InfoTrack /Ref:LS038494_EP Broken Hill Hospital

Column 1	Column 2
Amalgamated area health service	**Old area health services**
Sydney South West Area Health Service	Central Sydney Area Health Service South Western Sydney Area Health Service
Sydney West Area Health Service	Wentworth Area Health Service Western Sydney Area Health Service

4 Amendment of Health Services Act 1997

The *Health Services Act 1997* is amended as set out in Schedule 1.

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:6 of 10
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acting under the direction of the Council does not, if the matter or thing was done or omitted to be done in good faith for the purpose of executing this Act, subject the member or a person so acting personally to any action, liability, claim or demand.

10 General procedure

The procedure for the calling of meetings of the Advisory Council and for the conduct of business at those meetings is, subject to this Act and the regulations, to be as determined by the Council.

11 Quorum

The quorum for a meeting of the Advisory Council is a majority of the members for the time being.

12 Presiding member

(1) The Chairperson of the Advisory Council or, in the absence of the Chairperson, another member elected as Chairperson for the meeting by the members present is to preside at a meeting of the Council.

(2) The person presiding at any meeting of the Advisory Council has a deliberative vote and, in the event of an equality of votes, has a second or casting vote.

13 Voting

A decision supported by a majority of the votes cast at a meeting of the Advisory Council at which a quorum is present is the decision of the Council.

14 First meeting of Advisory Council

The Director-General is to call the first meeting of the Advisory Council in such manner as the Director-General thinks fit.

Schedule 7 Savings and transitional provisions

(Section 141)

Part 1 – General

1 Regulations

(1) The regulations may contain provisions of a savings or transitional nature consequent on the enactment of the following Acts:

this Act

Health Legislation Amendment Act 1999

Health Legislation Further Amendment Act 2004 (but only to the extent that it amends this Act)

Health Services Amendment Act 2004 (but only to the extent that it amends this Act)

Public Sector Employment Legislation Amendment Act 2006

(2) Any such provision may, if the regulations so provide, take effect from the date of assent to the Act concerned or a later date.

(3) To the extent to which any such provision takes effect from a date that is earlier than the date of its publication in the Gazette, the provision does not operate so as:

(a) to affect, in a manner prejudicial to any person (other than the State or an authority of the State), the rights of that person existing before the date of its publication, or

(b) to impose liabilities on any person (other than the State or an authority of the

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:7 of 10
© Office of the Registrar-General /Src:InfoTrack /Ref:LS038494_EP Broken Hill Hospital

State) in respect of anything done or omitted to be done before the date of its publication.

Part 2 – Provisions consequent on enactment of this Act

Division 1 – General

2 Definitions

In this Part:

"associated organisation" means an organisation or institution mentioned in the Fourth Schedule to the repealed hospitals Act as in force immediately before its repeal.

"former area health board" means an area health board constituted under section 12 of the repealed area Act and as constituted immediately before its repeal.

"former area health service" means an area health service constituted by section 5 of the repealed area Act and specified in Schedule 2 of that Act as in force immediately before its repeal.

"former health organisation" means:

(a) an associated organisation, or
(b) a former area health service, or
(c) an incorporated hospital, or
(d) a separate institution.

"incorporated health service" means any of the following incorporated hospitals:

(a) Far West Health Service,
(b) Greater Murray Health Service,
(c) Macquarie Health Service,
(d) Mid North Coast Health Service,
(e) Mid Western Health Service,
(f) New England Health Service,
(g) Northern Rivers Health Service,
(h) Southern Health Service.

"incorporated hospital" means a hospital mentioned in the Second Schedule to the repealed hospitals Act as in force immediately before its repeal.

"repealed area Act" means the *Area Health Services Act 1986* as in force immediately before its repeal.

"repealed hospitals Act" means the *Public Hospitals Act 1929* as in force immediately before its repeal.

"separate institution" means an institution mentioned in the Third Schedule to the repealed hospitals Act as in force immediately before its repeal.

"successor":

(a) of a former area health service means an area health service constituted under this Act on the commencement of Schedule 1 and having the same name as the former area health service, or
(b) of an incorporated hospital that was an incorporated health service means an area

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:8 of 10
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health service constituted under this Act on the commencement of Schedule 1 and having the same (or substantially the same) name as the incorporated health service, or
(c) of an incorporated hospital that was not an incorporated health service means a statutory health corporation constituted under this Act on the commencement of Schedule 2 and having the same (or substantially the same) name as the incorporated hospital, or
(d) of a separate institution means an affiliated health organisation specified in Schedule 3 on its commencement having the same name (or having a different name, but being substantially the same organisation or institution) as the separate institution, or
(e) of an associated organisation means an affiliated health organisation specified in Schedule 3 on its commencement and having the same name (or having a different name, but being substantially the same organisation or institution) as an associated organisation.

Division 2 – Former area health services

3 Dissolution of former area health services

A former area health service:

(a) is dissolved on and from the repeal of the repealed area Act, and
(b) its assets, rights and liabilities immediately before its dissolution become assets, rights and liabilities of its successor.

4 Agreements by former area health services

Any agreement between a former area health service and any person that was in force immediately before the dissolution of the former area health service is taken on and from that dissolution to have been entered into between its successor and the person.

5 Delegations by former area health services

Any delegation given by a former area health service under the repealed area Act and in force immediately before the dissolution of that service is taken on and from that dissolution to have been given by its successor.

6 Staff of former area health service

A member of staff of a former area health service is (until other provision is duly made under any Act or law) to be employed as a member of staff of its successor in accordance with any relevant statutory provisions, awards, agreements and determinations that would have applied to the person had the person remained a member of staff of the former area health service and that service not been dissolved.

7 By-laws under repealed area Act

The by-laws in force under section 32 of the repealed area Act immediately before its repeal are taken to have been made under section 39 of this Act. However, this does not prevent the future amendment or repeal of those by-laws.

8 Chief executive officers of former area health boards

(1) A person holding office as a chief executive officer of a former area health board immediately before its dissolution is taken to have been appointed under this Act as the chief executive officer of its successor. Such an appointment is for the remainder of the period of appointment to the position that is abolished by reason of the dissolution of the former area health service.
(2) Appointment by virtue of this clause does not change the contract of employment under Part 2A of the *Public Sector Management Act 1988* between the person as an executive officer and the executive officer's employer. The contract is taken to be with the successor of the former area health service.

9 Members of area health boards of former area health services

Each member of the former area health board (including the chief executive officer) of a former

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:9 of 10
© Office of the Registrar-General /Src:InfoTrack /Ref:LS038494_EP Broken Hill Hospital

area health service holding office immediately before the dissolution of the service is taken to hold office as a member of the area health board of its successor. Such an appointment is for the remainder of the period of appointment to the office that is abolished by reason of the dissolution of the former area health service.

10 Successor same legal entity as former area health service

Subject to this Part, on the dissolution of a former area health service, its successor is taken for all purposes (including the rules of private international law) to be a continuation of and the same legal entity as the former area health service.

11 References to former area health services

(1) A reference in any other Act or instrument made under any other Act or in any instrument of any kind:

(a) to any particular former area health service is taken to be a reference to its successor, and

(b) to an area health service constituted under the repealed area Act is taken to be a reference to an area health service constituted under this Act.

(2) This clause does not apply to the *State Public Service Superannuation Act 1985*.

Division 3 – Incorporated health service

12 Dissolution of incorporated health service

An incorporated health service:

(a) is dissolved on and from the repeal of the repealed hospitals Act, and

(b) its assets, rights and liabilities immediately before its dissolution become assets, rights and liabilities of its successor.

13 Assets, rights, liabilities, staff and other things of certain hospitals taken to belong to certain incorporated health services

(1) Wyalong Health Service On and from 16 March 1996:

(a) the Wyalong Health Service is taken to have been transferred to the Greater Murray Health Service, and

(b) the assets, rights and liabilities relating solely or principally to the operation of the Wyalong Health Service are taken to have been the assets, rights and liabilities of the Greater Murray Health Service, and

(c) a member of staff at the Wyalong Health Service is taken to have been employed as a member of staff of the Greater Murray Health Service in accordance with any relevant statutory provisions, awards, agreements and determinations that applied to the person during the relevant period, and

(d) any agreement between the hospital owner and another person relating solely or principally to the operation of the Wyalong Health Service is taken to be an agreement between the Greater Murray Health Service and the person, and

(e) any delegation given by the hospital owner in respect of the Wyalong Health Service is taken to have been given by the Greater Murray Health Service, and

(f) any by-laws in force under section 28 of the repealed hospitals Act in respect of the Wyalong Health Service are taken to have been made by the Greater Murray Health Service, and

(g) any act, matter or thing done by the Greater Murray Health Service during the relevant period in relation to the Wyalong Health Service that could have been done validly by the hospital owner is validated to the extent of any invalidity.

(2) Balranald District Hospital and Wentworth District Hospital and Health Service On and from 16 March 1996:

(a) the Balranald District Hospital and the Wentworth District Hospital and Health Service are taken to have been transferred to the Far West Health Service,

Req:R827532 /Doc:DL AF682921 /Rev:23-Aug-2010 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:10 of 10
© Office of the Registrar-General /Src:InfoTrack /Ref:LS038494_EP Broken Hill Hospital

and

(b) the assets, rights and liabilities relating solely or principally to the operation of the hospitals are taken to have been the assets, rights and liabilities of the Far West Health Service, and

(c) a member of staff at either hospital is taken to have been employed as a member of staff of the Far West Health Service in accordance with any relevant statutory provisions, awards, agreements and determinations that applied to the person during the relevant period, and

(d) any agreement between the hospital owner and another person relating solely or principally to the operation of the hospital concerned is taken to be an agreement between the Far West Health Service and the person, and

(e) any delegation given by the hospital owner in respect of the hospital concerned is taken to have been given by the Far West Health Service, and

(f) any by-laws in force under section 28 of the repealed hospitals Act in respect of either hospital are taken to have been made by the Far West Health Service, and

(g) any act, matter or thing done by the Far West Health Service during the relevant period in relation to the hospitals that could have been done validly by the hospital owner is validated to the extent of any invalidity.

(3) Minister may confirm transfer The Minister may, by notice in writing, confirm a transfer of assets, rights, liabilities or staff by operation of this Part. Such a notice is conclusive evidence of that transfer.

(4) Definitions In this clause:**"Balranald District Hospital"** means the hospital known as the Balranald District Hospital located at Balranald.**"Far West Health Service"** means the incorporated health service named the Far West Health Service.**"Greater Murray Health Service"** means the incorporated health service named the Greater Murray Health Service.**"hospital owner"** means:

(a) in relation to the Wyalong Health Service--the Mid Western Health Service, and

(b) in relation to the Balranald District Hospital and the Wentworth District Hospital and Health Service--the Greater Murray Health Service.

"relevant period" means the period commencing on 16 March 1996 and ending on the date of the repeal of the repealed hospitals Act.**"Wentworth District Hospital and Health Service"** means the hospital known as the Wentworth District Hospital and Health Service located at Wentworth.**"Wyalong Health Service"** means the hospital known as the Wyalong Health Service located at West Wyalong.

14 Agreements by incorporated health services

Any agreement between an incorporated health service and any person that was in force immediately before the dissolution of the incorporated health service is taken on and from that dissolution to have been entered into between its successor and the person.

15 Delegations by incorporated health services

Any delegation given by an incorporated health service under the repealed hospitals Act and in force immediately before the dissolution of that service is taken on and from that dissolution to have been given by its successor.

16 Staff of incorporated health service

A member of staff of an incorporated health service is (until other provision is duly made under any Act or law) to be employed as a member of staff of its successor in accordance with any relevant statutory provisions, awards, agreements and determinations that would have applied to the person had the person remained a member of staff of the incorporated health service and that service not been dissolved.

Req:R827533 /Doc:DL AK974648 /Rev:08-Dec-2016 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:1 of 6
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Form: 04RP
Release: 4·2

APPLICATION TO RECORD NEW REGISTERED PROPRIETO

New South Wales
Section 46C Real Property Act 1900
Section 12(4) Trustee Act 1925

AK974648G

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY Office of State Revenue use only

Office of State Revenue
NSW Treasury
Client No: 120350770 3608
Duty: EXEMPT Trans No: 8939716-00
Asst details: S276

(A) TORRENS TITLE Auto Console 4598-214

(B) REGISTERED DEALING

Number	Torrens Title

(C) LODGED BY

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any	CODE
418	LLN 123263V TRAVERS & CO Suite A, Level 3, 215-217 Clarence St Sydney NSW 2000 DX 590 SYDNEY Reference: DaH JG Mobile: 0415 206 800	RP

(D) APPLICANT Far West Local Health District

(E) PRESENT REG'D PROPRIETOR Greater Western Area Health Service

(F) NEW REG'D PROPRIETOR Far West Local Health District

(G) COMPLETE FOR APPLICATION UNDER SECTION 46C REAL PROPERTY ACT 1900

In regard to the above land, the applicant requests the Registrar General to record the new registered proprietor on the above folio of the Register, the land having vested in the new registered proprietor pursuant to—

See 'Annexure A'

(H) COMPLETE FOR APPLICATION UNDER SECTION 12(4) TRUSTEE ACT 1925

In regard to the above SELECT >>> >>>, the applicant requests the Registrar General to record the new registered proprietor on the folio of the Register consequent on—

DATE 01 June 2016

(I) I certify that I am an eligible witness and that an authorised officer of the applicant signed this dealing in my presence. [See note* below].

Signature of witness:

Name of witness: ANNETTE VARTULI
Address of witness: 97 BROWN STREET
BROKEN HILL NSW 2880
Phone: 08 8080 1469 (W)

Certified correct for the purposes of the Real Property Act 1900 by the authorised officer named below.

Signature of authorised officer: 9/6/16

Authorised officer's name: Stuart Riley
Authority of officer: Chief Exec./ Delegate
Signing on behalf of: Far West LHD

(J) *This section is to be completed where a notice of sale is required and the relevant data has been forwarded through eNOS.*

The applicant's agent certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. 1063719 Full name: Jarek Grygier Signature:

** s117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.*

ALL HANDWRITING MUST BE IN BLOCK CAPITALS

1309

Req:R827533 /Doc:DL AK974648 /Rev:08-Dec-2016 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:2 of 6
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Annexure A

Real property in the Local Government Area of Broken Hill which was formally held in the name of "Greater Western Area Health Service" is now held by "Far West Local Health District".

Name change	Legislation
Greater Western Area Health Service to Far West Local Health Network	Health Services Amendment (Local Health Networks) Act 2010.
Far West Local Health Network to Far West Local Health District	Health Services Amendment (Local Health Districts and Boards) Bill 2011

Req:R827533 /Doc:DL AK974648 /Rev:08-Dec-2016 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:3 of 6
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Column 1	Column 2	Column 3
Name of local health network	**Description of local government area or city**	**Description of area other than local government area**
Western NSW Local Health Network	Bathhurst Regional, Blaney, Bogan, Bourke, Brewarrina, Cabonne, Cobar, Coonamble, Cowra, Dubbo, Forbes, Gilgandra, Lachlan, Mid-Western Regional, Narromine, Oberon, Orange, Parkes, Walgett, Warren, Warrumbungle, Weddin, Wellington	
Far West Local Health Network	Broken Hill, Central Darling	Unincorporated Far West
Mid North Coast Local Health Network	Bellingen, Coffs Harbour, Hastings, Kempsey, Nambucca	
Northern NSW Local Health Network	Ballina, Byron, Clarence Valley, Kyogle, Lismore, Richmond Valley, Tweed	

[35] Schedule 2 Statutory health corporations

Omit "Chief executive" from Column 2 in relation to the matter relating to The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating The Royal Alexandra Hospital for Children).

Insert instead "Network".

[36] Schedule 2

Insert after the matter relating to the Clinical Excellence Commission, in columns 1 and 2 respectively:

Forensic Mental Health Network	Network

[37] Schedule 4 Transfers, dissolutions, amalgamations and changes of name or nature of governance

Omit clause 4 (1) (b) and (2) (b). Insert instead, respectively:

(b) in the case of a board governed health corporation or network governed health corporation, the members of the board or governing council of the corporation (as the case

Req:R827533 /Doc:DL AK974648 /Rev:08-Dec-2016 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:4 of 6
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77 Transfers of assets, rights, liabilities and staff of area health services

(1) Without limiting the generality of section 131, the Governor may make an order under that section during the transitional period as if any reference in the section to a statutory health organisation also included references to both a proposed local health network and proposed statutory health corporation.

(2) Section 131 (3) does not apply during the transitional period in relation to an order made under that section that transfers to a proposed local health network, proposed statutory health corporation, local health network or statutory health corporation:

(a) a public hospital, health institution, health service or health support service under the control of an area health service, or

(b) any assets, rights or liabilities of an area health service.

(3) A transfer under an order made under section 131 to a proposed local health network or proposed statutory health corporation is taken to have effect on the network establishment day.

(4) The provisions of Schedule 4 apply in relation to any of the residual assets, rights and liabilities of each area health service dissolved by operation of clause 76 as if:

(a) an order under section 20 (1) (a) had been made dissolving the service on the network establishment day, and

(b) Schedule 4 continued to apply in relation to the dissolution of an area health service by an order made under that section in the same way as it applied to such a dissolution immediately before the network establishment day.

(5) The Governor may make an order under section 131 transferring to any one or more statutory health organisations any residual assets, rights or liabilities of an area health service that are vested in the Minister by operation of subclause (4) as if the Minister were a statutory health organisation for the purposes of that section. Section 131 (3) does not apply in relation to such an order.

(6) Without limiting clause 18 of Schedule 4, regulations of a savings and transitional nature may be made consequent on the dissolution of an existing area health service by clause 76.

Req:R827533 /Doc:DL AK974648 /Rev:08-Dec-2016 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:5 of 6
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members (including chairpersons and deputy chairpersons) of local health district boards, and

(d) any person who ceases to be a member (including a chairperson or deputy chairperson) of an existing local health network governing council because of the operation of this clause is not entitled to any compensation for the loss of that office.

(2) Subject to this Division, on the dissolution of an existing local health network, the network's successor is taken for all purposes (including the rules of private international law) to be a continuation of and the same legal entity as the network.

85 Constitution of initial local health districts

(1) Each of the local health districts specified in Schedule 1 (as amended by the amending Act on the reconstitution day) is constituted as such on that day, subject to subclause (2).

(2) Nothing in this clause prevents the amendment of Schedule 1 (whether on or after the reconstitution day) by an order made under section 19 or 20.

86 Transfer of existing local health network's undertaking to network's successor

(1) The following provisions have effect in relation to the assets, rights and liabilities of an existing local health network on its dissolution:

(a) the assets of the network vest in the network's successor by virtue of this clause and without the need for any further conveyance, transfer, assignment or assurance,

(b) the rights or liabilities of the network become by virtue of this clause the rights or liabilities of the network's successor,

(c) all proceedings relating to the assets, rights or liabilities commenced before the network's dissolution by or against the network or a predecessor of the network and pending immediately before the network's dissolution are taken to be proceedings pending by or against the network's successor,

(d) any act, matter or thing done or omitted to be done in relation to the assets, rights or liabilities before the network's dissolution by, to or in respect of the network is (to the extent to which that act, matter or thing has any

Req:R827533 /Doc:DL AK974648 /Rev:08-Dec-2016 /NSW LRS /Pgs:ALL /Prt:30-Nov-2022 15:58 /Seq:6 of 6
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(b) the application (whether with or without modifications) of the by-laws of existing local health networks to local health districts,

(c) the continuation of committees declared (or taken to have been declared) as approved quality assurance committees under section 20E of the *Health Administration Act 1982* and of committees, subcommittees and councils established (or taken to be established or continued in existence) under existing by-laws.

[11] Dictionary

Omit the definitions of ***local health network***, ***local health network governing council*** and ***network governed health corporation*** from Part 1.

Insert in alphabetical order:

local health district—see section 8.

local health district board means a local health district board for a local health district established under section 26.

specialty network governed health corporation means a statutory health corporation that, as specified in Schedule 2, is specialty network governed.

1.2 Related amendments updating references and other minor amendments

[1] The whole Act (except sections 4 (a) and (c1), 41 and 62B, Schedules 2, 6 and 7 and the definition of "NHHN Agreement" in Part 1 of the Dictionary and except as otherwise amended by this Act)

Omit each term or expression specified in Column 1 of the following Table wherever occurring (including definitions, headings and notes) and regardless of capitalisation.

Insert instead the term or expression specified in Column 2 opposite the term or expression specified in Column 1 with capitalisation that corresponds to that of the omitted term or expression:

Table

Column 1	Column 2
network (except when occurring in the expression "network governed health corporation", "network governed health corporations" or "network governance")	district
network's	district's

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: AUTO CONSOL 4598-214

SEARCH DATE	TIME	EDITION NO	DATE
30/11/2022	3:18 PM	6	11/11/2019

LAND

LAND DESCRIBED IN SCHEDULE OF PARCELS
LOCAL GOVERNMENT AREA BROKEN HILL
PARISH OF PICTON COUNTY OF YANCOWINNA
TITLE DIAGRAM SEE SCHEDULE OF PARCELS

FIRST SCHEDULE

HEALTH ADMINISTRATION CORPORATION (R AP408658)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 LAND EXCLUDES MINERALS - SEE CROWN GRANT(S)
2 AK974650 LEASE TO THE UNIVERSITY OF SYDNEY OF PART BEING PREMISES KNOWN AS "CORRINDAH COURT", BUILDING 31 AT BROKEN HILL HOPSPITAL, MORGAN STREET, BROKEN HILL. EXPIRES: 1/8/2027.

NOTATIONS

UNREGISTERED DEALINGS: NIL

SCHEDULE OF PARCELS	TITLE DIAGRAM
LOT 3751 IN DP757298	CROWN PLAN 1489.2186
LOT 4375 IN DP757298	CROWN PLAN 1841.2186
LOT 4376 IN DP757298	CROWN PLAN 1842.2186.

*** END OF SEARCH ***

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

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Received: 30/11/2022 15:18:06

Appendix E Council Section 10.7 Certificate

BROKEN HILL
CITY COUNCIL

Quote No 18225

Telephone / Personal Enquiries
Ask for Tracey Stephens

Please address all communications to:
The General Manager
240 Blende Street
PO Box 448
Broken Hill NSW 2880
Phone 08 8080 3300
Fax 08 8080 3424
council@brokenhill.nsw.gov.au
www.brokenhill.nsw.gov.au

ABN 84 873 116 132

Planning Certificate No 18225
Environmental Planning And Assessment Act 1979

OFFICE USE ONLY	
Receipt No	
Applicant Ref	Lotsearch
Owner	Health Admin Corp c/-Far West Local Health District

Applicants Name	Lotsearch
Postal Address	Level 3 68 Alfred Street South MILSONS POINT NSW 2061
DESCRIPTION OF LAND	
Property Address	170-320 Thomas Street BROKEN HILL 2880
Property Description	Lot: 4376 DP: 757298

A. As at the date of this certificate the abovementioned land is land to which an environmental planning instrument applies. Where an environmental planning instrument applies to the land, details are set out as follows:

Name of Planning Instrument and Date When It Took Effect	**Yes /No**	**Effect of Planning Instrument on Abovementioned Land**
Broken Hill Local Environmental Plan 2013 – 30/08/2013	**Yes**	The land is zoned R1 General Residential under the existing planning instrument (See development control table – Attachment 2)
State & Regional Environmental Planning Policies	**Yes**	(see Attachment 1)
Draft State Environmental Planning Policy submitted to the Minister*	**No**	
Draft Regional Environmental Plan*	**No**	
Exhibited Draft Environmental Planning Instrument	**No**	
Draft Development Control Plan	**No**	

B. For the purposes of Section 10.7(2) it is advised that as at the date of this certificate the abovementioned land is affected by the matters referred to in Column 1 of the following table:

Column 1	Yes/No	Identification Of The Matter Referred To In Column 1 And The Manner In Which It Applies To Or Affects The Land
Development Control Plan	**Yes**	City of Broken Hill Development Control Plan 2016.
Whether additional permitted uses apply to the land.	**Yes**	Development for the purpose of retail premises associated with art galleries is permitted, subject to development consent.
Whether a contributions plan applies to the land.	**Yes**	Council has adopted the Broken Hill City Council Section 7.12 Developer Contributions Plan.
Whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land.	**Yes**	Minimum lot size of 230m².
Whether the land is in an area of outstanding biodiversity value under the *Biodiversity Conservation Act 2016.*	**No**	
Whether the land is in a heritage conservation area.	**No**	
Whether an item of environmental heritage is situated on the land.	**Yes**	Schedule 5 of Broken Hill LEP - "old areas of the Broken Hill Hospital".
Whether the subject land is land on which complying development may be carried out under SEPP (Exempt and Complying Development Codes) 2008.		Council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.
Rural Housing Code	**No**	
General Housing Code	**No**	
Demolition Code	**No**	
General Development Code	**No**	
Housing Alterations Code	**No**	
General Commercial & Industrial Code	**No**	
Subdivisions Code	**No**	
Inland Code	**Yes**	
Whether the land is land on which Exempt development may be carried out.	**Yes**	Council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land. (refer to SEPP Exempt and Complying development codes.)
Affected building notices and building product rectification orders.	**No**	
Whether any Environmental Planning Instrument, deemed or draft instrument applying to the land provides for the acquisition of the land by a public	**No**	

authority, under Section 27 of the Act.		
Whether or not the land is affected by any road widening or road realignment under- i) Part 3 Division 2 of the *Roads Act 1993*; ii) any environmental planning instrument; or iii) any resolution of the Council	**No**	
Whether the land or part of the land is within the flood planning area and subject to flood related development controls.	**No**	
Whether or not the land is affected by a policy: (a) Adopted by the Council; or (b) Adopted by any other public authority and notified to the Council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the Council, that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).	**No**	
Whether some, or all, of the land is bushfire prone.	**No**	
Loose-fill asbestos insulation	**See Notation**	Council strongly recommends that any potential purchaser obtain advice from a licensed asbestos assessor to determine whether loose-fill asbestos is present in any building on the land and, if so, the health risks (if any) this may pose for the building's occupants. Contact NSW Fair Trading for further information.
Section 15 of *the Mines Subsidence Compensation Act 1961*	**No**	Whether the land has been proclaimed a mine subsidence district.
Whether a development plan has been adopted by a relevant authority that applies to the land.	**No**	
Whether the land is land to which a property vegetation plan under the *Native Vegetation Act 2003* applies.	**No**	
Whether the land is a Biodiversity stewardship site under a Biodiversity stewardship agreement.	**No**	
Whether the land is Biodiversity certified land.	**No**	
Whether Council has been notified of an order being made under *the Trees*	**No**	Council has not been notified of an order under this Act in relation to this land.

(Disputes Between Neighbours) Act 2006 to carry out work in relation to a tree on the land.		
Whether the *Coastal Management Act 2016* applies.	**No**	
Whether any development consent conditions for Seniors Housing under SEPP (Housing) 2021 applies.	**No**	
Whether there is a current Site Compatibility Certificate (Affordable Rental Housing), of which Council is aware in respect of proposed development on the land.	**No**	
Whether there is a valid Site Compatibility Certificate (Infrastructure), of which Council is aware in respect of proposed development on the land.	**No**	
Contaminated Land: Whether Council is aware that, at the date of issuing this certificate, the land is:		
Declared to be significantly contaminated (under the *Contaminated Land Management Act 1997*).	**No**	
Subject to a Management Order (under the *Contaminated Land Management Act 1997*).	**No**	
Subject to an approved voluntary management proposal (under the *Contaminated Land Management Act 1997*).	**No**	
Subject to an ongoing maintenance order (under the *Contaminated Land Management Act 1997*).	**No**	
Subject to a site audit statement (under the *Contaminated Land Management Act 1997*).	**No**	

***** Information is provided only to the extent that the Council has been notified by the Department of Commerce or the Department of Planning.

C. Additional information provided in accordance with Section 10.7(5):

Information	Reply
(a) Has any development consent with respect to the land been granted within the previous two years?	No
(b) What is the current approved use of the property?	Hospital (health services facililty) and associated residences
(c) Is the current use of the property in accordance with such approval?	Yes
(d) Is the land affected by any resolution of the Council to seek amendment to any environmental planning or draft environmental instrument applying to the land?	No
(e) Is the land affected by any Interim or Permanent Conservation Order?	No
(f) Additional contamination information.	This land may contain levels of heavy metals associated with Broken Hill being a mining town. Council has not undertaken testing specific to this property in relation to this matter.
(g) Clearing of native vegetation.	Under the provisions of the *Native Vegetation Act 2003* No 103 approval may be required under the *Environmental Planning and Assessment Act 1979* for the clearing of native vegetation within the Broken Hill Local Government Area.
(h) Other matters affecting the property.	There is the possibility that structures on the parcel of land being purchased may not have been constructed entirely upon or within the relevant boundaries.

The above information has been taken from Council's records, but Council cannot accept responsibility for any omissions or inaccuracy.

The information contained in this certificate needs to be read in conjunction with the provisions of the:

- *Environmental Planning and Assessment Act 1979* and Regulations.

Date: 2/12/2022 ***General Manager per:***

Any request for further information in connection with the above should be directed to

Customer Relations - Telephone No. (08) 8080 3300

Or

Council@brokenhill.nsw.gov.au

ATTACHMENT 1 - S.E.P.P.'S - R.E.P.P.'s

The name of each State & Regional Environmental Planning Policy that applies to the carrying out of development on the land.

State Environmental Planning Policy (Biodiversity and Conservation) 2021

State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

State Environmental Planning Policy (Housing) 2021

State Environmental Planning Policy (Industry and Employment) 2021

State Environmental Planning Policy No 65—Design Quality of Residential Apartment Development

State Environmental Planning Policy (Planning Systems) 2021

State Environmental Planning Policy (Precincts—Regional) 2021

State Environmental Planning Policy (Primary Production) 2021

State Environmental Planning Policy (Resilience and Hazards) 2021

State Environmental Planning Policy (Resources and Energy) 2021

State Environmental Planning Policy (Transport and Infrastructure) 2021

ATTACHMENT 2 - DEVELOPMENT CONTROL TABLE

ZONE R1 – General Residential

1 Objectives of zone

- To provide for the housing needs of the community.
- To provide for a variety of housing types and densities.
- To enable other land uses which provide facilities or services to meet the day to day needs of residents.

2 Permitted without consent

Environmental protection works; Home-based child care; Home occupations; Roads.

3 Permitted with consent

Attached dwellings; Boarding houses; Building identification signs; Business identification signs; Child care centres; Community facilities; Dwelling houses; Food and drink premises; Group homes; Hostels; Home industries; Kiosks; Multi dwelling housing; Neighbourhood shops; Places of public worship; Residential flat buildings; Respite day care centres; Semi-detached dwellings; Seniors housing; Shop top housing; Waste or resource transfer stations; Water recycling facilities.

Any development not specified in item 2 or 4.

4 Prohibited

Agriculture; Animal boarding or training establishments; Air transport facilities; Airstrips; Amusement centres; Boat building and repair facilities; Car parks; Charter & tourism boating facilities; Commercial premises; Correctional centres; Crematoria; Depots; Extractive industries; Farm buildings; Farm stay accommodation; Forestry; Freight transport facilities; Heavy industrial storage establishments; Helipads; Highway service centres; Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Moorings; Mooring pens; Mortuaries; Open cut mining; Port facilities; Public administration buildings; Recreation facilities (major); Research stations; Restricted premises; Rural industries; Rural worker's dwellings; Service stations; Sewerage systems; Sex services premises; Signage; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Waste or resource management facilities; Water treatment facilities; Wharf or boating facilities; Wholesale supplies.

Appendix F Dangerous Goods Search

Lotsearch Support

From: Licensing <licensing@safework.nsw.gov.au>
Sent: Wednesday, 14 December 2022 9:28 AM
To: Lotsearch Support
Subject: SafeWork NSW: 00779823 –Site Search application – Result not found [ref:_ 00D281hl6J._5004aA0IHV:ref]

Security Classification: Sensitive Personal
Please do not amend the subject line of this email

Dear Emily

Re: Site Search for Schedule 11 Hazardous Chemicals on premises Application – Result not found

I refer to your application for a Site Search for Schedule 11 Hazardous Chemicals on premises, received by SafeWork NSW on 29 November 2022 for the following site: 176 Thomas Street Broken Hill NSW.

A search of the records held by SafeWork NSW has not located any records pertaining to the above-mentioned premises.

If you have any further information or if you have any questions, please use one of the following options, quoting the SafeWork NSW enquiry reference number: 00779823

- Email: licensing@safework.nsw.gov.au
- Phone: 13 10 50

Kind regards

Kim Brearley
Licensing Representative
SafeWork NSW | Better Regulation Division
Department of Customer Service
p- 13 10 50
e- licensing@safework.nsw.gov.au | www.customerservice.nsw.gov.au
Level 3, 32 Mann Street, Gosford, NSW 2250

We are always looking for ways that we can improve our services. You may be contacted by email in the next few weeks to complete a short survey and provide us with your feedback on what we did well and where we can improve. If you do not wish to participate in our surveys, please email us at: licensingQA@customerservice.nsw.gov.au and we will ensure that you are not contacted.

Tax Invoice.pdf

ref:_00D281hl6J._5004aA0IHV:ref

Appendix G Loose Fill Asbestos Register

Loose-fill asbestos insulation register

Listen (https://app-oc.readspeaker.com/cgi-bin/rsent?customerid=7371&lang=en_au&readid=page-content&url=https://www.fairtrading.nsw.gov.au/loose-fill-asbestos-insulation-register)

Look up the premises address

Please enter exact address information (including street type) of the address you wish to search (Note, the search fields are not case sensitive).

If a match is found, the premises has been identified as containing loose-fill asbestos insulation.

Results will only appear if an exact match of an address is found.

(The fields marked with * are required.)

No Match Found - A search match was not found in the Loose-fill Asbestos Insulation Register

Address searched: 176 thomas Street Broken hill 2880

This information is correct at the time of the search

Unit	
Street number*	
Street name*	
Street type*	Alley
Suburb*	
Postcode	

Submit

Appendix H Client Provided Documents

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
241327	(+/-)-THALIDOMIDE (T144)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 6.1	UN 2811	PG III	2X	Approved	Yes	Available	15-Sep-2021
70004282	0.9% SODIUM CHLORIDE IRRIGATION SOLUTION				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	No	No	-	-	-	Approved	Yes	-	03-May-2021
11898	008-2000 ACETONE				TOPLINE PAINT PTY LTD ((08) 8384 1188)				
	Yes	DG 3	UN 1263	PG II	2YE	Approved	Yes	Available	11-May-2022
2310	2.26 AEROSOL				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	30-Jul-2020
12704	2.26 BULK				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	No	-	-	-	Approved	Yes	Available	30-Jul-2020
7524804	3D TRASAR 3DT288				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8	UN 3264	PG III	2X	Approved	Yes	Available	PRODUCT OBSOLETE
178	3M ADPER SCOTCHBOND MULTI-PURPOSE ADHESIVE (3009/7543)				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	No	-	-	-	Approved	Yes	Available	04-Apr-2022
1222	3M ADPER SINGLE BOND 2				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	DG 3	UN 1133	PG II	•3YE	Approved	Yes	Available	05-Mar-2021
152	3M AVAGARD 9232 ANTISEPTIC HAND AND BODY WASH WITH CHLORHEXIDINE GLUCONATE 2 % W/W (FORMERLY)				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	No	-	-	-	Approved	Yes	Available	11-Apr-2022
239965	3M AVAGARD 9260 GENERAL MOISTURISING. BARRIER LOTION				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	No	-	-	-	Approved	Yes	Available	15-Aug-2021
240005	3M AVAGARD ANTISEPTIC HAND RUB WITH CHLORHEXIDINE GLUCONATE 0.5% W/V IN 70% V/V ETHANOL 9250H & 9250P				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	DG 3	UN 1170	PG III	•2Y	Approved	Yes	Available	18-Jul-2021
4204	3M AVAGARD GENERAL HAND AND BODY WASH (WITH MOISTURISER AND EMMOLLIENT)				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	No	No	-	-	-	Approved	Yes	Available	17-Nov-2021
4271	3M CLINPRO SEALANT				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	No	-	-	-	Approved	Yes	Available	10-Nov-2021
1054	3M ESPE Z100 RESTORATIVE PASTE 5904-5907, 3021-3024, AND 8004				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	No	-	-	-	Approved	Yes	Available	04-Aug-2019

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Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
5092	3M SCOTCHBOND MULTI-PURPOSE ETCHANT (3007)				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	DG 8	UN 1805	PG III	2R	Approved	Yes	Available	26-Jul-2021
241423	3M TRICLOSAN 70540 SURFACE CLEANER/DISINFECTANT				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	PRODUCT OBSOLETE
3857	3M VITREBOND LIGHT CURE GLASS IONOMER LINER/BASE POWDER (7512P)				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	No	-	-	-	Approved	Yes	Available	18-Apr-2021
7306	460-A5013.88 AMMONIA BUFFER SOLUTION				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8	UN 2672	PG III	2R	Approved	Yes	Available	07-May-2018
7297	460-S0222 (SOLN P INDICATOR (PHENOLPHTHALEIN), FORM LIQUID)				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 3	UN 1993	PG II	•3YE	Approved	Yes	Available	16-Mar-2021
7300	460-S0406 SOLN PH 4.0 BUFFER, FORM LIQUID				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	25-Feb-2021
7299	460-S0407 SOLN PH 7.0 BUFFER, FORM LIQUID				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	25-Feb-2021
7524983	460-S0450 SOLN FE (II) DR/2000, FORM LIQUID				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8	UN 2790	PG III	2R	Approved	Yes	Available	**13-Oct-2013**
3061	5-FLUOROURACIL (F6627)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 6.1	UN 2811	PG III	2X	Restricted	Yes	Available	30-Jun-2021
2328	5.56 AEROSOL				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	23-Sep-2022
2151	50831002 - SDS NUMBER				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2 / 5.1	UN 1072	-	2S	Approved	Yes	Available	29-Nov-2018
12522	6.0G CHLOR-CLEAN TABLETS				GUEST MEDICAL LIMITED (+44(0) 1622 791895)				
	Yes	DG 9	UN 3077	PG III	2Z	Approved	Yes	Available	**10-Jan-2018**
242414	70% ISOPROPYL ALCOHOL WIPES				LIVINGSTONE INTERNATIONAL PTY LTD ((02) 9313 6111)				
	Yes	DG 4.1	UN 3175	PG II	1Z	Approved	Yes	Available	08-Mar-2021
12	7523 3M ESPE SCOTCHBOND ETCHANT DELIVERY SYSTEM				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	DG 8	UN 1805	PG III	2R	Approved	Yes	Available	PRODUCT OBSOLETE
3805	8 - ALIVE				MOMAR AUSTRALIA PTY LTD (1800 267 933)				
	No	No	-	-	-	Approved	Yes	Available	31-Oct-2021

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Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
8437	801 INDUSTRIAL AND MARINE SOLVENT				IMATECH PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
1998	808 SILICONE MULTI-SURFACE SPRAY				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	23-Sep-2022
5937	< 10 % ACETIC ACID				RIVIANA FOODS PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	14-Dec-2022
11039	ABRAXANE POWDER FOR SUSPENSION FOR INFUSION (ALBUMIN-BOUND PACLITAXEL FOR INFUSION)				CELGENE PTY LTD (+(61) 2 9037 2994 (Chemtrec); 13 11 26 (PIC))				
	Yes	No	-	-	-	Approved	Yes	Available	11-Apr-2018
4284	ABSORB PLUS				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 5.1	UN 2465	PG II	1W	Approved	Yes	Available	04-Jul-2020
9305	AC-T 5DIFF HGB LYSE				BECKMAN COULTER, INC. ((800) 424-9300)				
	Yes	No	-	-	-	Approved	Yes	Available	27-Jul-2018
5317	ACETIC ACID 5% V/V				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	Available	15-Oct-2019
241487	ACETONE				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	Yes	DG 3	UN 1090	PG II	•2YE	Approved	Yes	Available	09-Jun-2021
2102	ACETONE				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 3	UN 1090	PG II	•2YE	Approved	Yes	Available	04-Jul-2020
240981	ACETONE (010)				CHEMSUPPLY AUSTRALIA PTY LTD (1-800-498-5701; 1-303-389-1414; +61 08 8440 2000/ 1-800-424-9300; 1-703-527-3887/ (02) 9037 2994/ 1800-127-406 (Australia); +64-4-917-9888 (International))				
	Yes	DG 3	UN 1090	PG II	•2YE	Approved	Yes	Available	21-Nov-2020
2255	ACETYLENE				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.1	UN 1001	-	2SE	Approved	Yes	Available	19-Aug-2021
6022	ACETYLENE, DISSOLVED				SUPAGAS PTY LIMITED (1300 275 021)				
	Yes	DG 2.1	UN 1001	-	2SE	Approved	Yes	Available	22-Nov-2022
241706	ADVION ANT GEL				SYNGENTA AUSTRALIA PTY LIMITED (1800 033 111/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	15-Oct-2021
10159	ADVION COCKROACH GEL				SYNGENTA AUSTRALIA PTY LIMITED (1800 033 111/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	-	01-Aug-2021

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Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
240868	AEROGARD BODY TROPICAL STRENGTH INSECT REPELLENT AEROSOL				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	09-May-2022
6439	AEROSOL ENAMEL PAINTS - VARIOUS COLOURS				STALYCE HOLDINGS (AUST) PTY LTD (0410 570 835)				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	PRODUCT OBSOLETE
1074	AH PLUS PASTE A				DENTSPLY SIRONA PTY LTD (1300 552 929 (Mon-Fri 9am-5pm))				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	30-Apr-2020
98	AIDAL PLUS				WHITELEY CORPORATION PTY LTD ((02) 9929 9155; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	08-Jan-2021
6081	AIR (MEDICAL)				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2	UN 1002	-	2T	Approved	Yes	Available	29-Nov-2018
6024	AIR COMPRESSED				SUPAGAS PTY LIMITED (1300 275 021)				
	Yes	DG 2.2	UN 1002	-	2T	Approved	Yes	Available	21-Nov-2022
70004114	AIR FRESHENER GEL				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	No	No	-	-	-	Approved	Yes	-	21-Oct-2021
240771	AIR WICK 4 IN 1				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	06-Jun-2018
3866	Air Wick air freshener - Lavender				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	12-Apr-2019
1523	AIR WICK AIR FRESHENER WITH 100% NATURAL PROPELLANT (AEROSOLS ALL SCENTS)				RECKITT BENCKISER NORTH AMERICA INC (+1 800-677-9218; 1-800-228-4722)				
	Yes	DG 2.2	UN 1950	-	2YE	Approved	Yes	Available	PRODUCT OBSOLETE
3301	AIR WICK CRYSTAL AIR - VANILLA & ORCHID				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
2494	AIR, COMPRESSED				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 1002	-	2T	Approved	Yes	Available	19-Aug-2021
8176	ALCOHOL 70% UNTINTED 500 ML; ALCOHOL 70% STERILE 500 ML				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	30-Aug-2021
543	ALIMTA				ELI LILLY AUSTRALIA (13 11 26, (02) 9325 4622)				
	Yes	No	-	-	-	Approved	Yes	Available	25-Feb-2021
7938	ALKALINE BATTERIES				PANASONIC BATTERIES (+1 877 726 2228)				
	No	No	-	-	-	Approved	Yes	Available	01-Jan-2019

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
987	ALPROJET-D				BIODEGREE PTY LTD (13 11 26 (Poisons Information Centre) or +49 7725 9392 0)				
	Yes	No	-	-	-	Approved	Yes	Available	18-Jan-2021
1583	ALPROJET-W				BIODEGREE PTY LTD (13 11 26 (Poisons Information Centre) or +49 7725 9392 0)				
	Yes	No	-	-	-	Approved	Yes	Available	21-May-2020
4198	ALVEOGYL				SPECIALITIES SEPTODONT PTY LTD. (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	09-Apr-2018
286	AMGROW GLYPHO RTU				AMGROW AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
5293	AMGROW PATROL FIX ANT				AMGROW AUSTRALIA PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
2578	AMGROW WHITE OIL INSECTICIDE				AMGROW AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	31-Aug-2020
6566	AMSACRINE HYDROCHLORIDE (A9809)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 6.1	UN 2811	PG III	2X	Approved	Yes	Available	08-Sep-2021
14238	ANTI-BACTERIAL LIQUID HAND SOAP				THE NATURAL CLEANER COMPANY PTY LTD (1300 720 952)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
7524837	APPLIED CITRA SCRUB				ITW POLYMERS & FLUIDS PTY LTD (1800 385 556 / 0438 465 960/ 1800 039 008/ (03) 9573 3112)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	01-Nov-2019
2083	AQUASONIC 100 ULTRASOUND TRANSMISSION GEL				AUSMEDIC AUSTRALIA PTY LTD ((02) 9477 3422)				
	No	No	-	-	-	Approved	Yes	Available	15-May-2020
239805	AQUASONIC CLEAR ULTRASOUND GEL				PARKER LABORATORIES, INC. (+1 973 276 9500)				
	No	No	-	-	-	Approved	Yes	Available	15-May-2020
6767	ARDEX WPM 300 - PART A				ARDEX AUSTRALIA PTY LTD (1800 224 070/ +64 3373 6900)				
	Yes	No	-	-	-	Approved	Yes	Available	03-Feb-2020
37709157	ARDEX WPM 501 - PART B				ARDEX AUSTRALIA PTY LTD (1800 224 070/ +64 3373 6900)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	-	PRODUCT OBSOLETE
13454	ARGON 4.7				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2	UN 1006	-	2T	Approved	Yes	Available	11-Mar-2019
12274	ARMOR ALL GLASS CLEANER				ENERGIZER AUSTRALIA PTY LTD (13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	-	30-Jun-2019

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
6597	ARMOR ALL PROTECTANT ORIGINAL				ENERGIZER AUSTRALIA PTY LTD (13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	Available	30-Jun-2019
240505	ARMOR ALL TYRE FOAM				ENERGIZER AUSTRALIA PTY LTD (13 11 26 (Poisons Information Centre))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	-	01-Apr-2021
10610	ARMOR ALL WASH & WAX				ENERGIZER AUSTRALIA PTY LTD (13 11 26 (Poisons Information Centre))				
	Yes	DG 8	UN 1760	PG III	2X	Approved	Yes	Available	02-Jun-2021
70001072	ATEZOLIZUMAB				ROCHE PRODUCTS PTY LTD ((02) 9454 9624)				
	No	No	-	-	-	Approved	Yes	-	SDS DISCONTINUED
1031	ATO MEPIVACAINE 3%				DENTAVISION PTY LTD (1800 806 640)				
	No	No	-	-	-	Approved	Yes	Available	11-Jun-2019
13661	AUSCREEN EVERYDAY LOTION SPF30+				ROSS COSMETICS (AUST) PTY LTD ((03) 9338 5222)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
6873	AUTO DISHWASH POWDER				CHESSER CHEMICALS PTY LTD (1800 039 008)				
	Yes	No	-	-	-	Approved	Yes	Available	25-Mar-2019
514122	AVAGARD 9233				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	PRODUCT OBSOLETE
11745	AVASTIN VIALS 100 MG/4 ML				ROCHE PRODUCTS PTY LTD ((02) 9454 9624)				
	No	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED
37706379	AZURE B TETRAFLUOROBORATE (302619)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	23-Apr-2022
7526688	BACTEC PLUS AEROBIC/F 50/PK F/G				BECTON DICKINSON PTY LTD (1800 656 100/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	30-Sep-2021
37706773	BATTERY ALKALINE AAA, AA, C, D, 9V				WIS SOLUTIONS PTY LTD (1800 638 556 (AU); 0800 154 666 (NZ))				
	No	No	-	-	-	Approved	Yes	Available	22-Aug-2018
7524403	BENDAMUSTINE HYDROCHLORIDE HYDRATE (B5437)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 6.1	UN 2811	PG III	2X	Approved	Yes	-	22-Dec-2021
9584	BENPEN (BENZYLPENICILLIN (AS BENZYLPENICILLIN SODIUM) POWDER FOR INJECTION)				SEQIRUS PTY LTD ((03) 9389 1984)				
	Yes	No	-	-	-	Approved	Yes	Available	22-Oct-2021
2114	BETADINE ANTISEPTIC SOLUTION				SANOFI CONSUMER HEALTHCARE PTY LTD ((07) 3212 8777)				
	No	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
4864	BETADINE COLD SORE OINTMENT				SANOFI CONSUMER HEALTHCARE PTY LTD ((07) 3212 8777)				
	No	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED
13007	BEVACIZUMAB				F. HOFFMANN-LA ROCHE AG (+41-61/688 54 80)				
	No	No	-	-	-	Approved	Yes	Available	17-Jul-2019
11291	BIBAG - SODIUM BICARBONATE POWDER				FRESENIUS MEDICAL CARE AUSTRALIA PTY. LTD. ((02) 8788 5900/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	07-Feb-2019
70014194	BICALUTAMIDE				CAYMAN CHEMICAL COMPANY (+1 703 527 3887)				
	Yes	No	-	-	-	None	Yes	-	02-Feb-2022
2902	BIFLEX ULTRA-LO-ODOUR TERMITICIDE & INSECTICIDE				FMC AUSTRALASIA PTY LTD (1800 033 111/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	17-Jun-2021
3622	BIOPREP 2				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	No	-	-	-	Approved	Yes	Available	04-Mar-2021
9582	BIOPREP 4				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
10770	BIOSONIC ENZYMATIC ULTRASONIC CLEANING SOLUTION				HENRY SCHEIN HALAS LTD (13 11 26 (Poisons Information Centre))				
	Yes	No	-	-	-	Approved	Yes	Available	31-Oct-2018
70014180	BLACK AND GOLD METHYLATED SPIRITS				METCASH TRADING LIMITED (+61 4 18179157 (Mon-Fri 9am to 6pm))				
	Yes	DG 3	UN 1170	PG II	•2YE	None	Yes	-	11-Apr-2018
2831	BLEOMYCIN FOR INJECTION, USP (HOSPIRA INC.)				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	22-Apr-2022
240727	BLEOMYCIN SULPHATE FOR INJECTION				WILLOW PHARMACEUTICALS ((02) 9518 1735)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
14190	BLIZZARD				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	Yes	DG 8	UN 1719	PG II	2R	Approved	Yes	Available	21-Oct-2021
2556	BORIC ACID				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	No	-	-	-	Approved	Yes	Available	04-Jul-2020
70007368	BORTEZOMIB				CAYMAN CHEMICAL COMPANY (+1 703 527 3887)				
	Yes	DG 6.1	UN 3249	PG II	2X	Approved	Yes	-	06-Jan-2021
5270	BOSISTO'S EUCALYPTUS OIL				FELTON GRIMWADE & BOSISTO'S PTY LTD (0416 118 909; 0451 058 346 (After Hours)/ 13 11 26 (PIC))				
	Yes	DG 3	UN 1993	PG III	•3Y	Approved	Yes	Available	28-Feb-2022

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
3789	BOSTIK CONTACT BOND				BOSTIK AUSTRALIA PTY LTD (1800 033 111)				
	Yes	DG 3	UN 1133	PG II	•3YE	Approved	Yes	Available	07-Oct-2019
7524960	BOSTIK PVC PRIMING FLUID CLEAR				BOSTIK AUSTRALIA PTY LTD (1800 033 111)				
	Yes	DG 3	UN 1993	PG II	•3YE	Approved	Yes	Available	21-Feb-2022
1789	BRASSO METAL POLISH				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	DG 3	UN 1268	PG III	3Y	Approved	Yes	Available	28-Nov-2019
2834	BRISTOL-MYERS SQUIBB BICNU (CARMUSTINE FOR INJECTION)				BRISTOL-MYERS SQUIBB AUSTRALIA PTY LTD (+61 (0) 290372994)				
	Yes	DG 6.1	UN 3249	PG II	2X	Approved	Yes	Available	PRODUCT OBSOLETE
7524836	BROADSIDE HERBICIDE				NUFARM AUSTRALIA LIMITED (1800 033 498)				
	Yes	No	-	-	-	Approved	Yes	Available	**28-Feb-2018**
7304	BUFFER PH = 4; 500ML				METROHM AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
239957	BUFFERED FORMALIN 10% UNTINTED 500 ML, 2L				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	Yes	No	-	-	2X	Approved	Yes	Available	30-Sep-2021
37710047	CABAZITAXEL ACETONE SOLVATE				SANOFI-AVENTIS AUSTRALIA PTY LTD (1800 818 806)				
	Yes	DG 6.1	UN 2811	PG III	2X	Approved	Yes	Available	SDS DISCONTINUED
7524835	CAFCO 300				PROMAT AUSTRALIA PTY LTD ((08) 8352 6759/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	14-Dec-2022
380	CALAMINE LOTION				PROBIOTEC PHARMA PTY LTD ((03) 9278 7555; 1800 620 898)				
	No	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	14-Dec-2022
1925	CALCIUM CHLORIDE				NUPLEX INDUSTRIES (AUST) PTY LTD (1800 022 037)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
240748	CALCIUM FOLINATE (LEUCOVORIN CALCIUM) TABLETS				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	No	No	-	-	-	Approved	Yes	-	14-Nov-2020
1774	CANON FX3 CARTRIDGE				CANON AUSTRALIA PTY LTD (13 11 26)				
	No	DG 9	UN 2807	PG III	2Z	Approved	Yes	Available	PRODUCT OBSOLETE
240506	CANON INK TANK BCI-3EY				CANON AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	-	**15-Sep-2017**
240508	CANON INK TANK CLI-521C				CANON AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	-	**21-Jun-2016**

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
240509	CANON INK TANK CLI-521GY				CANON AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	-	**21-Jun-2016**
240507	CANON INK TANK CLI-521M				CANON AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	-	01-Nov-2021
5402	CANON NPG-22 BLACK TONER				CANON AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	08-Jul-2020
70013069	CAPECITABINE (SML0653)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	None	Yes	-	05-Oct-2019
37711794	CARBOL FUCHSIN				AMBER SCIENTIFIC PTY LTD (1800 127 406)				
	Yes	DG 6.1	UN 2810	PG III	2X	Approved	Yes	Available	03-Dec-2019
9302	CARBOL FUCHSIN				MP BIOMEDICALS AUSTRALIA PTY LTD ((02) 9838 7422 (8.30 AM to 5.00 PM)/ 1 800 424 9300)				
	Yes	DG 6.1 / 8	UN 2928	PG II	2X	Approved	Yes	Available	07-Sep-2021
10983	CARBON DIOXIDE (LIQUID)				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2	UN 2187	-	2T	Approved	Yes	Available	20-Sep-2022
4876	CARBON DIOXIDE (MEDICAL)				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2	UN 1013	-	2RE	Approved	Yes	Available	29-Nov-2018
2863	CARBON DIOXIDE BULK				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 2187	-	2T	Approved	Yes	Available	29-Jun-2021
1746	CARBON DIOXIDE COMPRESSED				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2	UN 1013	-	2RE	Approved	Yes	Available	03-Mar-2022
10383	CARBOPLATIN (C2538)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	23-Oct-2019
13215	CARBOPLATIN EBEWE (EBECARBO)				SANDOZ PTY LTD ((02) 9566 1500)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
374	CARBOPLATIN INJECTION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	10-Feb-2022
5910	CASTING BANDAGES - WITH FIBREGLASS				BSN MEDICAL (AUST.) PTY. LTD. (1300 688 826)				
	Yes	No	-	-	-	Approved	Yes	Available	**26-Feb-2018**
1016	CAVIT				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	No	DG 9	UN 3077	PG III	2Z	Approved	Yes	Available	21-Sep-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
6311	CDT CUTTING OIL (AEROSOL)				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	30-Jul-2020
70013207	CEMIPLIMAB				SANOFI-AVENTIS AUSTRALIA PTY LTD TRADING AS SANOFI GENZYME (1800 818 806)				
	Yes	No	-	-	-	None	Yes	-	28-Oct-2019
6033	CERAMICA				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
70001280	CETUXIMAB (BXU544002)				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	No	No	-	-	-	Approved	Yes	-	30-Oct-2019
4163	CHEM I CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	21-Jul-2021
8442	CHEMLUBE SILICONE GREASE				CHEM PACK PTY LTD ((03) 8369 9999)				
	No	No	-	-	-	Approved	Yes	Available	01-Nov-2019
70000980	Chlor Clean tablets				HELIX SOLUTIONS ABN 39 076 343 305 (0401 527 311)				
	Yes	DG 9	UN 3077	PG III	2Z	Approved	Yes	Available	30-Nov-2022
242028	CHLOR-CLEAN 1000PPM SOLUTION				HELIX SOLUTIONS ABN 39 076 343 305 (0401 527 311)				
	No	No	-	-	-	Approved	Yes	Available	30-Nov-2022
405	CHLORHEXIDINE 1% HAND LOTION				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	29-Sep-2021
616	CHLORHEXIDINE IN ALCOHOL 70%				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	24-Jun-2021
3309	CHLORHEXIDINE SURGICAL SCRUB 4% 500 ML; CHLORHEXIDINE PRE-OP WASH 4% 50 ML				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	29-Sep-2021
617	CISPLATIN INJECTION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	07-Jul-2021
3997	CITRA-FORCE (NON-FLAMMABLE) (BULK)				LANOTEC AUSTRALIA PTY LTD (0417 638 004)				
	No	No	-	-	-	Approved	Yes	Available	19-Aug-2020
90	CITROSTERIL				FRESENIUS MEDICAL CARE AUSTRALIA PTY. LTD. ((02) 8788 5900/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	07-Feb-2019
6202	CLAR08735A				CHAMPIONX AUSTRALIA PTY LTD (1800 127 406/ +61 4 917 8888)				
	Yes	DG 8	UN 1719	PG II	2R	Approved	Yes	Available	02-Sep-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
243514	CLAX 100 22A1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	06-Aug-2021
5198	CLAX 2VL1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
6048	CLAX 7ZL1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 3	UN 2052	PG III	3Y	Approved	Yes	Available	23-Aug-2021
5197	CLAX ALEGRO 1AL1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1824	PG II	2R	Approved	Yes	Available	15-Nov-2021
5199	CLAX OXY 40C1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 3253	PG III	2X	Approved	Yes	Available	09-Dec-2021
5200	CLAX SOFT CONC 5DL1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	04-Dec-2018
6049	CLAX SONRIL CONC				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 5.1 / 8	UN 2014	PG II	2P	Approved	Yes	Available	PRODUCT OBSOLETE
70001559	CLAX SONRIL ULTRA 40B1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 5.1 / 8	UN 2014	PG II	2P	Approved	Yes	-	14-Sep-2021
5188	CLAX SURE LINK DUAL SOFT				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	25-Feb-2019
7524507	CLINICAL CHEMISTRY LIPASE CALIBRATOR (AS SOLD)				ABBOTT AUSTRALASIA P/L (DIAGNOSTICS DIVISION) (1800 816 696/ (02) 9857 1111)				
	No	No	-	-	-	Approved	Yes	Available	28-Sep-2021
240503	CLINIMAX				WHITELEY CORPORATION PTY LTD ((02) 9929 9155; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	22-Jan-2021
240024	CLIPSAL PVC CEMENT N CLEAR 240				BOSTIK AUSTRALIA PTY LTD (1800 033 111)				
	Yes	DG 3	UN 1133	PG II	•3YE	Approved	Yes	Available	11-Aug-2021
14329	CO CONTACT CLEANER (AEROSOL) (POST JUNE 2010)				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	13-Jul-2021
2132	CO CONTACT CLEANER (AEROSOL) (PRE JUNE 2010)				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	PRODUCT OBSOLETE
240045	COLGATE NEUTRAFLUOR 5000 PLUS FRESHMINT PROFESSIONAL TOOTHPASTE				COLGATE-PALMOLIVE PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	10-Feb-2020

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
7523710	COLGATE NEUTRAFLUOR 5000 PROFESSIONAL TOOTHPASTE SENSITIVE				COLGATE-PALMOLIVE PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	10-Feb-2020
12197	COLGATE TOTAL ORIGINAL ANTIBACTERIAL & FLUORIDE TOOTHPASTE				COLGATE-PALMOLIVE PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	14-Dec-2018
9297	COMMERCIAL BLEACH				JASOL AUSTRALIA (1800 629 953/ 13 11 26)				
	Yes	DG 8	UN 1791	PG III	2X	Approved	Yes	Available	27-Apr-2021
1048	COMPOUND BENZOIN TINCTURE B.P.				ORION LABORATORIES PTY LTD, TRADING AS PERRIGO AUSTRALIA ((08) 9441 7800)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	PRODUCT OBSOLETE
5277	CONCENTRATED HAEMODIALYSIS SOLUTIONS-PART B				FRESENIUS MEDICAL CARE AUSTRALIA PTY. LTD. ((02) 8788 5900/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	-	PRODUCT OBSOLETE
12558	CONTRAC BLOX				BELL AUSTRALIA PTY LTD (13 11 26/ (02) 9647 2111)				
	Yes	No	-	-	-	Approved	Yes	Available	01-Apr-2021
9836	CONVOCLEAN				MOFFAT PTY LTD (03 9518 3888/ 13 11 26)				
	Yes	DG 8	UN 1814	PG II	2R	Approved	Yes	Available	23-Oct-2020
7251	COOL08338A				CHAMPIONX AUSTRALIA PTY LTD (1800 127 406/ +61 4 917 8888)				
	Yes	No	-	-	-	Approved	Yes	Available	23-Aug-2021
7524977	COOL43548A				CHAMPIONX AUSTRALIA PTY LTD (1800 127 406/ +61 4 917 8888)				
	No	No	-	-	-	Approved	Yes	Available	04-Apr-2022
5981	COULTER ACT 5DIFF WBC LYSE				BECKMAN COULTER, INC. ((800) 424-9300)				
	No	No	-	-	-	Approved	Yes	Available	19-Apr-2019
4390	COULTER CLENZ CLEANING AGENT (8546931)				BECKMAN COULTER, INC. ((800) 424-9300)				
	Yes	No	-	-	-	Approved	Yes	Available	29-Aug-2018
7235	CRAYOLA WASHABLE PAINT				CRAYOLA (AUSTRALIA) PTY LTD (1800 657 353)				
	No	No	-	-	-	Approved	Yes	Available	01-Jul-2021
12991	CRC 7131 FOOD GRADE CHAIN LUBE				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	PRODUCT OBSOLETE
9758	CRC CLEAR URETHANE				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	15-Jul-2021
14311	CREAM R7 DISINFECTANT				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	08-Nov-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
14189	CREME CLEANSER - RTU				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	Yes	No	-	-	-	Approved	Yes	Available	29-Oct-2020
5301	CRYSTAL SIMPLE GREEN INDUSTRIAL CLEANER & DEGREASER				SIMPLE GREEN AUSTRALIA PTY LTD (1300 826 470/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	18-Oct-2021
70004314	CRYSTAL VIOLET (0.2G/L) SOLUTION				PATHWEST MEDIA (13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	-	14-Dec-2022
2272	CRYSTAL VIOLET (C3886)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 9	UN 3077	PG III	2X	Approved	Yes	Available	24-Jul-2022
1994	CSR PLASTER-BASED CEMENTS AND ADHESIVES				CSR BUILDING PRODUCTS LIMITED (000/ 13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	Available	08-May-2018
9863	CUTAN ALCOHOL FOAM (FORMERLY)				SC JOHNSON PROFESSIONAL PTY LTD (13 11 26)				
	Yes	DG 3	UN 1987	PG II	•3YE	Approved	Yes	Available	30-Sep-2021
240115	CYCLOPHOSPHAMIDE				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	25-May-2022
241204	CYCLOPHOSPHAMIDE FOR INJECTION, USP				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	24-Feb-2022
241521	CYCLOPHOSPHAMIDE MONOHYDRATE (C0768)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 6.1	UN 3464	PG III	2X	Approved	Yes	Available	10-Jan-2022
1227	CYCLOPHOSPHAMIDE POWDER FOR INJECTION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	DG 6.1	UN 2811	PG III	2X	Approved	Yes	Available	**10-Mar-2016**
9178	CYCLOPHOSPHAMIDE TABLETS - 50MG				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
37709845	CYTARABINE				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	-	03-Jan-2019
191	CYTARABINE INJECTION				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	**28-Jul-2017**
6568	CYTARABINE SOLUTION FOR INJECTION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	**28-Jul-2017**
241283	CYTOSPRAY				KINETIK PTY LTD ((07) 3203 0401)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	05-Oct-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
14836	D'AMIA				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	No	No	-	-	-	Approved	Yes	Available	04-Jan-2019
70004202	DACARBAZINE (PHR1924)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	-	14-Jul-2020
179	DACARBAZINE FOR INJECTION, USP				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	30-Aug-2018
239849	DAUNORUBICIN HYDROCHLORIDE				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	**02-Feb-2018**
13223	DAUNORUBICIN HYDROCHLORIDE (D8809)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 6.1	UN 2811	PG III	2X	Approved	Yes	Available	27-Apr-2021
6569	DBL DAUNORUBICIN HYDROCHLORIDE FOR INJECTION				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	**11-Nov-2013**
200	DBL ETOPOSIDE INJECTION				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	DG 3	UN 1170	PG III	•2Y	Approved	Yes	Available	**11-Nov-2013**
240271	DBL LEUCOVORIN CALCIUM TABLETS				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	-	**28-Jul-2014**
2150	DBL METHOTREXATE TABLETS 2.5MG				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	**18-Nov-2013**
7155	DECONEX 21 CLF				IN VITRO TECHNOLOGIES PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	18-Mar-2022
5088	DECONEX 26 MINERALACID				IN VITRO TECHNOLOGIES PTY LTD (13 11 26)				
	Yes	DG 8	UN 1805	PG III	2R	Approved	Yes	Available	19-Mar-2022
240223	DECONEX 28 ALKA ONE-X				IN VITRO TECHNOLOGIES PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	16-Jul-2018
5920	DECONEX 34 GR				IN VITRO TECHNOLOGIES PTY LTD (13 11 26)				
	Yes	DG 8	UN 3264	PG II	2X	Approved	Yes	Available	19-Sep-2018
143	DECONEX 41 CLEAR				IN VITRO TECHNOLOGIES PTY LTD (13 11 26)				
	Yes	DG 8	UN 3265	PG III	2X	Approved	Yes	Available	22-Mar-2022
1018	DECONEX 42 KONZ				IN VITRO TECHNOLOGIES PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	07-Apr-2022

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
1000	DECONEX 64 NEUTRADRY				IN VITRO TECHNOLOGIES PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	24-May-2018
6273	DELTA T ONLINE DESCALER				DELTA T TECHNOLOGIES PTY LTD ((07) 4038 3001)				
	Yes	No	-	-	-	Approved	Yes	Available	13-Dec-2022
8438	DENATURED ALCOHOL				CSD/STARTEX (1-800-424-9300)				
	Yes	DG 3	UN 1986	PG II	•3WE	Approved	Yes	Available	PRODUCT OBSOLETE
18	DENTSPLY IRM POWDER				DENTSPLY SIRONA PTY LTD (1300 552 929 (Mon-Fri 9am-5pm))				
	No	DG 9	UN 3077	PG III	2Z	Approved	Yes	Available	01-Nov-2019
4253	DEPUY SMARTSET BONE CEMENT - LIQUID COMPONENT				JOHNSON & JOHNSON MEDICAL PTY LTD (13 11 26)				
	Yes	DG 3	UN 1247	PG II	3YE	Approved	Yes	Available	10-Dec-2021
4552	DEPUY SMARTSET BONE CEMENT - POWDER (WITH GENTAMICIN)				JOHNSON & JOHNSON MEDICAL PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	15-Apr-2021
37709096	DESCALER				CLEAN PLUS CHEMICALS PTY LTD (1800 201 700)				
	Yes	DG 8	UN 1805	PG III	2R	Approved	Yes	Available	21-Jan-2021
1777	DESFLURANE				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	No	DG 9	UN 3334	PG III	2Z	Restricted	Yes	Available	26-Aug-2018
9876	DETERGENT GENERAL PURPOSE				JASOL AUSTRALIA (1800 629 953/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
14439	DETERGENT-TAB FOR RATIONAL SELFCOOKINGCENTER, ART.-NO. 56.00.206, 56.00.210, 56.00.220				COMCATER ((03) 8369 4600)				
	Yes	DG 8	UN 3262	PG II	2X	Approved	Yes	Available	**13-Dec-2017**
2018	DIESEL				MOBIL OIL AUSTRALIA LIMITED (1800 023 005)				
	Yes	No	-	-	-	Approved	Yes	Available	13-Oct-2020
4103	DIESEL FUEL				HALLIBURTON AUSTRALIA PTY LTD (1800 686 951)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	25-Jun-2018
37706378	DIFF-QUIK SOLUTION I				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	23-Mar-2018
3620	DIGGERS MINERAL TURPENTINE				RECOCHEM INC ((07) 3308 5200; 1300 131 001 (After hours)/ 0800 764 766)				
	Yes	DG 3	UN 1300	PG III	3Y	Approved	Yes	Available	29-May-2022
9883	DIMENSION CLINICAL CHEMISTRY SYSTEM DRUG CALIBRATOR II				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	21-Jul-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
9871	DIMENSION SYSTEM AHDL CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	21-Jul-2021
7213	DIMENSION SYSTEM CHEM I CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	21-Jul-2021
9877	DIMENSION SYSTEM CHEM II CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	21-Jul-2021
9878	DIMENSION SYSTEM CHOL CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	21-Jul-2021
9892	DIMENSION SYSTEM ENZYME VERIFIER				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	21-Jul-2021
9894	DIMENSION SYSTEM HCG CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	21-Jul-2021
4333	DIMENSION SYSTEM RCRP CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	21-Jul-2021
4334	DIMENSION SYSTEM RCRP FLEX REAGENT CARTRIDGE				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	21-Jul-2021
9910	DIMENSION SYSTEM SPECIAL PROTEIN CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	21-Jul-2021
12108	DIMETHYL SULFOXIDE (D2650)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	03-Sep-2021
2334	DIMETHYL SULFOXIDE (D5879)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	20-Apr-2021
1580	Dishwashing Liquid				PENTAL PRODUCTS PTY LTD ((03) 5820 5200/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	15-Mar-2018
5303	DISTILLED WATER				BHP BILLITON CANNINGTON MINESITE LABORATORY (+61 7 4769 2023)				
	No	No	-	-	-	Approved	Yes	-	14-Dec-2022
2509	DITRAC ALL-WEATHER BLOX RODENTICIDE				BELL AUSTRALIA PTY LTD (13 11 26/ (02) 9647 2111)				
	Yes	No	-	-	-	Approved	Yes	Available	30-Apr-2021
3754	DIVERMITE D4A DILUTED 3:750				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
241323	DIVERSOL 5000				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 9	UN 3077	PG III	2Z	Approved	Yes	Available	07-Nov-2021
2570	DIVOSAN HYPOCHLORITE				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1791	PG III	2X	Approved	Yes	Available	03-Jun-2020
12495	DOCETAXEL (01885)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	29-Mar-2022
9761	DOW CORNING 360 MEDICAL FLUID, 350 CST				DOW CORNING AUSTRALIA PTY LTD (1300 360 732)				
	No	No	-	-	-	Approved	Yes	Available	18-Oct-2018
3804	DOWSIL 732 MULTI-PURPOSE SEALANT, CLEAR				DOW CHEMICAL (AUSTRALIA) PTY LTD (1800 033 882 (AUS); 0800 243 622 (NZ))				
	No	No	-	-	-	Approved	Yes	Available	14-Jun-2022
7524984	DOWSIL 732 RTV ADH/SLNT-CLEAR				DOW CHEMICAL (AUSTRALIA) PTY LTD (1800 033 882 (AUS); 0800 243 622 (NZ))				
	No	No	-	-	-	Approved	Yes	Available	14-Jun-2022
70013186	DOXORUBICIN HCL LIPOSOME INJECTION				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	None	Yes	-	19-Jul-2022
11876	DOXORUBICIN HYDROCHLORIDE LIPOSOME INJECTION [FORMULATION]				SCHERING CORPORATION (+1 (908) 820-6921)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
197	DOXORUBICIN HYDROCHLORIDE SOLUTION FOR INJECTION - 2 MG/ML				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	**25-Jan-2018**
5417	DPD TOTAL CHLORINE REAGENT (1406499)				HACH PACIFIC (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	01-Jun-2022
3189	DRY FILM LUBRICANT				HK WENTWORTH PTY LIMITED ((02) 8014 4558)				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	18-Nov-2019
6317	DRY GLIDE				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	30-Jul-2020
6772	DUNLOP WALL & FLOOR TILE ADHESIVE				ARDEX AUSTRALIA PTY LTD (1800 224 070/ +64 3373 6900)				
	Yes	No	-	-	-	Approved	Yes	Available	08-Feb-2021
240309	DURACELL ALKALINE BATTERIES (MAJOR AND SPECIALTY CELLS)				DURACELL US OPERATIONS, INC. (+1 203 796 4000)				
	No	No	-	-	-	Approved	Yes	Available	01-Jan-2020
240616	DURACELL ALKALINE BATTERIES (MAJOR AND SPECIALTY CELLS)				STUART ALEXANDER & CO PTY LTD (1800 239 901)				
	No	No	-	-	-	Approved	Yes	Available	**18-Apr-2017**

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
1027	DURAPHAT FLUORIDE VARNISH SINGLE DOSE				COLGATE-PALMOLIVE PTY LTD ((02) 9037 2994)				
	Yes	DG 3	UN 1993	PG III	•3Y	Approved	Yes	Available	02-Jul-2019
37710695	DURVALUMAB				ASTRAZENECA PTY LTD (+44 (0) 1235 239 670)				
	No	No	-	-	-	Approved	Yes	Available	15-Nov-2019
94	DY-MARK LINE MARKING ALL COLOURS AEROSOL				DY-MARK AUSTRALIA ((07) 3327 3099)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	07-Sep-2021
14	DYCAL RADIOPAQUE CALCIUM HYDROXIDE - BASE PASTE				DENTSPLY SIRONA PTY LTD (1300 552 929 (Mon-Fri 9am-5pm))				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	20-Aug-2021
1703	DYCAL RADIOPAQUE CALCIUM HYDROXIDE - CATALYST				DENTSPLY SIRONA PTY LTD (1300 552 929 (Mon-Fri 9am-5pm))				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	01-Nov-2019
7524953	DYNA-FOG WL FOG & SMOKE FLUID				AIRSCAPE PTY LTD ((02) 4385 2632)				
	No	No	-	-	-	Approved	Yes	Available	02-Dec-2022
4863	EASY OFF HEAVY-DUTY OVEN CLEANER				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	DG 2.1 / 8	UN 1950	-	2YE	Approved	Yes	Available	21-May-2020
70004283	ECO FRESH BOWL CLIP				INTERCLEAN AUSTRALASIA ((02) 9838 7740)				
	No	No	-	-	-	Approved	Yes	-	28-Feb-2021
11421	EDTA 15% SOLUTION				DENTALIFE AUSTRALIA PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	31-Jan-2022
7757	EDTA 15% SOLUTION				HENRY SCHEIN HALAS LTD (13 11 26 (Poisons Information Centre))				
	Yes	No	-	-	-	Approved	Yes	Available	23-Jan-2019
4500	ENDO-FROST 200 ML				HENRY SCHEIN HALAS LTD (13 11 26 (Poisons Information Centre))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	26-Apr-2021
7526606	ENDURE 120				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	No	No	-	-	-	Approved	Yes	Available	25-Nov-2021
4557	EOSIN Y DISODIUM SALT (E6003)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	29-Apr-2021
240547	EP Grade				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2 / 5.1	UN 1072	-	2S	Approved	Yes	Available	19-Aug-2021
240405	EPIRUBICIN HYDROCHLORIDE INJECTION (SOLUTION) (HOSPIRA, INC.)				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	**24-Mar-2017**

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
10334	EPIRUBICIN HYDROCHLORIDE POWDER FOR INJECTION				PFIZER GLOBAL MANUFACTURING (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	**22-Mar-2015**
240028	EPIRUBICIN SOLUTION FOR INJECTION				SANDOZ PTY LTD ((02) 9566 1500)				
	Yes	DG 6.1	UN 1851	PG II	2X	Approved	Yes	Available	PRODUCT OBSOLETE
3292	ETHANOL SOLUTION				PROBIOTEC PHARMA PTY LTD ((03) 9278 7555; 1800 620 898)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	16-Dec-2022
6960	ETHANOL UNDENATURED				BACTO LABORATORIES ((02) 9823 9000)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	30-Sep-2020
8768	ETHYLENEDIAMINETETRAACETIC ACID, DIPOTASSIUM SALT DIHYDRATE				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	No	-	-	-	Approved	Yes	Available	11-Aug-2020
4256	ETOPOPHOS FOR INJECTION				BRISTOL-MYERS SQUIBB AUSTRALIA PTY LTD (+61 (0) 290372994)				
	Yes	No	-	-	-	Approved	Yes	Available	11-May-2021
7523594	ETOPOSIDE				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Restricted	Yes	Available	05-Jan-2022
69939	ETOPOSIDE (E1383)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	20-Apr-2021
14900	ETOPOSIDE SOLUTION FOR INJECTION - 20 MG/ML				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	**20-May-2015**
2913	EUCALYPTUS OIL				PROBIOTEC PHARMA PTY LTD ((03) 9278 7555; 1800 620 898)				
	Yes	DG 3	UN 1993	PG III	•3Y	Approved	Yes	Available	16-Dec-2022
240050	FILTEK SUPREME XTE FLOWABLE SYRINGE A2				3M AUSTRALIA PTY LIMITED (1800 097 146)				
	Yes	No	-	-	-	Approved	Yes	Available	20-Mar-2022
6714	FLASHLUBE VALVE SAVER (Y2K)				FLASHLUBE PTY LTD (1800 638 556)				
	Yes	No	-	-	-	Approved	Yes	Available	13-May-2019
239850	FLUDARABINE PHOSPHATE				SANOFI-AVENTIS AUSTRALIA PTY LTD (1800 818 806)				
	Yes	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED
5528	FLUDARABINE PHOSPHATE INJECTION, USP				TEVA PARENTERAL MEDICINES, INC. (1 800 729 9991)				
	Yes	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED
243377	FLUOROCARBON R427A				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 3163	-	2TE	Approved	Yes	Available	19-Aug-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
494	FLUOROURACIL INJECTION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	**12-Sep-2016**
7993	FOAM POLISH/CLEANER #569-486				RS COMPONENTS PTY LTD (1800 039 008; (03) 9573 3112)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	PRODUCT OBSOLETE
70009584	FOLIC ACID (47620)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	28-Apr-2022
7524839	FORANE 134A				ARKEMA INC. ((800) 424-9300/ (866) 767-5089/ (703) 527-3887)				
	Yes	DG 2.2	UN 3159	-	2RE	Approved	Yes	Available	21-Mar-2019
7524842	FORANE 22				ARKEMA INC. ((800) 424-9300/ (866) 767-5089/ (703) 527-3887)				
	Yes	DG 2.2	UN 1018	-	2TE	Approved	Yes	Available	12-May-2020
7524841	FORANE 404A				ARKEMA INC. ((800) 424-9300/ (866) 767-5089/ (703) 527-3887)				
	Yes	DG 2.2	UN 3337	-	2RE	Approved	Yes	Available	20-Mar-2019
7524840	FORANE 410A				ARKEMA INC. ((800) 424-9300/ (866) 767-5089/ (703) 527-3887)				
	Yes	DG 2.2	UN 3163	-	2TE	Approved	Yes	Available	**24-May-2017**
9300	FORMAL SALINE				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	No	-	-	-	Approved	Yes	Available	**09-Feb-2017**
13134	FORMALIN NEUTRAL BUFFERED 10%				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	No	-	-	-	Approved	Yes	Available	04-Jul-2020
8439	FREH400 - PRODUCT NUMBER				ELECTROLUBE AUSTRALIA ((02) 8014 4558)				
	Yes	DG 2.2	UN 1950	-	2YE	Approved	Yes	Available	24-Sep-2021
5420	FULAFOAM EXPANDING FOAM				H.B. FULLER COMPANY AUSTRALIA PTY LTD (1800 033 111)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	08-Feb-2021
37708571	GAZYVARO VIALS 1000 MG/40 ML				ROCHE PRODUCTS PTY LTD ((02) 9454 9624)				
	No	No	-	-	-	Approved	Yes	-	18-Nov-2020
13900	GC COCOA BUTTER				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	28-Jun-2022
7754	GC DENTIN CONDITIONER				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	18-May-2020
7525350	GC EQUIA FORTE COAT				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	Yes	DG 3	UN 1247	PG II	3YE	Approved	Yes	Available	30-Nov-2020

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
240093	GC FUJI II LC CAPSULE LIQUID SHADE A2				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	Yes	DG 8	UN 3265	PG II	2X	Approved	Yes	Available	06-May-2020
12654	GC FUJI IX GP EXTRA CAPSULE SHADE A3 POWDER				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	29-Apr-2020
9087	GC FUJI IX GP LIQUID				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	16-Jun-2020
12180	GC FUJI IX GP POWDER				HENRY SCHEIN HALAS LTD (13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	Available	16-Jun-2020
11431	GC FUJI VII CAPSULE (POWDER)				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	29-Apr-2020
3596	GC GRADIA DIRECT, POSTERIOR				HENRY SCHEIN HALAS LTD (13 11 26 (Poisons Information Centre))				
	Yes	No	-	-	-	Approved	Yes	Available	20-Jan-2021
7113	GC TOOTH MOUSSE				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	02-Dec-2020
7776	GC TOOTH MOUSSE PLUS				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	30-Nov-2020
239871	GC TRI PLAQUE ID GEL				GC AUSTRALASIA DENTAL PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	27-Apr-2021
14830	GEMCITABINE 10 MG/ML				SANDOZ ONCOLOGY INJECTABLES (EBEWE PHARMA GES.M.B.H. NFG.KG) (+49 (0) 6132 / 84463)				
	Yes	No	-	-	-	Approved	Yes	Available	**25-Feb-2016**
196	GEMCITABINE FOR INJECTION, USP (LYOPHILIZED)				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	11-Jun-2018
13222	GEMCITABINE POWDER FOR INJECTION				SANDOZ PTY LTD ((02) 9566 1500)				
	Yes	DG 6.1	UN 2811	PG II	2X	Approved	Yes	Available	PRODUCT OBSOLETE
6475	GEMINI FLOOR SEALER FINISH				PEERLESS JAL PTY LTD ((03) 9416 6700)				
	No	No	-	-	-	Approved	Yes	-	01-Sep-2022
7525868	GETINGE CLEAN MIS DETERGENT (PF-094)				GETINGE AUSTRALIA PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	05-Oct-2018
14687	GETINGE CLEAN RINSE AID				GETINGE DISINFECTION AB (+61 2 8014 4558/ +1800 535 5053/ +44 (0) 1235 239 670/ +1 866 928 0789 (toll free))				
	Yes	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
469	GLADE COUNTRY GARDEN				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	**02-Feb-2018**
3172	GLADE FLORAL BOUQUET				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	PRODUCT OBSOLETE
1515	GLANCE (5L)				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	12-Dec-2018
240580	GLANCE (750ML)				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	28-May-2018
37709688	GLANCE GLASS & MULTI-SURFACE CLEANER				DIVERSEY, INC (+1 800 851 7145 (US); +1 651 917 6133 (Intl))				
	No	No	-	-	-	Approved	Yes	-	07-May-2020
241948	GLEN 20 SURFACE SPRAY DISINFECTANT AEROSOL				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	23-Jan-2020
7880	GLISTEN				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	Yes	No	-	-	-	Approved	Yes	Available	26-Oct-2021
9583	GLUTARALDEHYDE (50% SOLUTION IN WATER) FOR SYNTHESIS (8.06914)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 8 / 6.1	UN 2922	PG II	2X	Approved	Yes	Available	17-Sep-2020
6252	GLUTE OUT				PCI MEDICAL INC. ((860) 526 2862)				
	No	No	-	-	-	Approved	Yes	Available	**26-Feb-2018**
1935	GLYCEROL				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	No	No	-	-	-	Approved	Yes	Available	21-Aug-2020
1124	GOLD CROSS METHYL SALICYLATE LINIMENT APF				PROBIOTEC PHARMA PTY LTD ((03) 9278 7555; 1800 620 898)				
	Yes	No	-	-	-	Approved	Yes	Available	11-Jan-2019
447	GRAFCO SILVER NITRATE APPLICATORS, P/N 1590, 1592, AND 1593				MEDICAL & SURGICAL REQUISITES PTY LTD ((07) 3217 0966; 07 3859 2900)				
	Yes	DG 5.1	UN 1477	PG II	1Y	Approved	Yes	Available	03-Oct-2018
5202	GSB METHYLATED SPIRITS				GSB CHEMICAL CO. ((03) 9457 1125)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	26-Apr-2018
5438	GYPSONA EXTRA 3				BSN MEDICAL (AUST.) PTY. LTD. (1300 688 826)				
	No	No	-	-	-	Approved	Yes	Available	25-Jun-2019
12340	H8950 - CHLOR-CLEAN TABLETS				HELIX SOLUTIONS ABN 39 076 343 305 (0401 527 311)				
	Yes	No	-	-	-	Approved	Yes	Available	30-Nov-2022

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
5276	HAEMODIALYSIS SOLUTIONS PH. EUR. PART A				FRESENIUS MEDICAL CARE AUSTRALIA PTY. LTD. ((02) 8788 5900/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	07-Feb-2019
240371	HARMONY				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	Yes	No	-	-	-	Approved	Yes	Available	26-Oct-2021
242691	HEAVY DUTY LANOLIN AEROSOL				TREBLEX INDUSTRIAL PTY LTD (0438 120 976)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	28-Feb-2019
6717	HELIX ULTRA 5W-40				VIVA ENERGY AUSTRALIA LTD (1800 651 818/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	30-Jul-2020
9296	HEMA-TEK (WRIGHT-GIEMSA) STAIN PAK (BUFFER SOLUTION)				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	21-Jul-2021
9304	HEMA-TEK (WRIGHT-GIEMSA) STAIN PAK (STAIN SOLUTION)				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	Yes	DG 3 / 6.1	UN 1230	PG II	•2WE	Approved	Yes	Available	21-Jul-2021
7117	HENRY SCHEIN PROPHY PASTE (WITHOUT FLUORIDE)				HENRY SCHEIN HALAS LTD (13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	-	29-Jan-2020
9314	HEPES				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	No	No	-	-	-	Approved	Yes	Available	04-Jul-2020
473	HERCEPTIN VIALS 150 MG				ROCHE PRODUCTS PTY LTD ((02) 9454 9624)				
	No	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED
2048	HH14335 CREAM R7 12X750ML				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	14-Jan-2019
241325	HISTOFREEZER PORTABLE CRYOSURGICAL SYSTEM				EBOS HEALTHCARE (13 11 26)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	12-Jul-2021
4145	HISTOPOTS				AUSTRALIAN BIOSTAIN PTY LTD (1800 127 406)				
	Yes	No	-	-	-	Restricted	Yes	Available	31-Jan-2019
14343	HOMEBRAND DISHWASHING DETERGENT CONCENTRATE LEMON 250ML				WOOLWORTHS LTD (1800 039 008)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
6713	HORTICO ANT & ROACH DUST				YATES AUSTRALIA, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111 (ALL HOURS))				
	Yes	DG 9	UN 3077	PG III	2Z	Approved	Yes	Available	15-Apr-2021
6869	HP COLOR LASERJET Q3961A CYAN PRINT CARTRIDGE				HP PPS AUSTRALIA PTY LTD (FORMERLY HEWLETT-PACKARD AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	19-Dec-2020

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
4128	HP COLOR LASERJET Q6000A-AD BLACK PRINT CARTRIDGE				HP PPS AUSTRALIA PTY LTD (FORMERLY HEWLETT-PACKARD AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	19-Dec-2020
6870	HP LASERJET 92274A PRINT CARTRIDGE				HP PPS AUSTRALIA PTY LTD (FORMERLY HEWLETT-PACKARD AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	18-Dec-2020
2917	HP LASERJET C4127A-D-X-XC PRINT CARTRIDGE				HP PPS AUSTRALIA PTY LTD (FORMERLY HEWLETT-PACKARD AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	18-Dec-2020
1757	HP LASERJET C7115A-X PRINT CARTRIDGE				HP PPS AUSTRALIA PTY LTD (FORMERLY HEWLETT-PACKARD AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	18-Dec-2020
12577	HP LASERJET CE255A-X-XC-XD PRINT CARTRIDGE				HP PPS AUSTRALIA PTY LTD (FORMERLY HEWLETT-PACKARD AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	21-Dec-2020
1773	HP LASERJET Q2612A-AC-AD-AF-L PRINT CARTRIDGE				HP PPS AUSTRALIA PTY LTD (FORMERLY HEWLETT-PACKARD AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	18-Dec-2020
12584	HP LASERJET Q5942A-X-XC-YC-XD PRINT CARTRIDGE				HP PPS AUSTRALIA PTY LTD (FORMERLY HEWLETT-PACKARD AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	19-Dec-2020
2046	HYDRADERM CREAM				ASPEN PHARMACARE AUSTRALIA PTY LTD (+61 2 8436 8300/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
2546	HYDROCHLORIC ACID				RECOCHEM INC ((07) 3308 5200; 1300 131 001 (After hours)/ 0800 764 766)				
	Yes	DG 8	UN 1789	PG II	2R	Approved	Yes	Available	PRODUCT OBSOLETE
8444	HYDROCHLORIC ACID 20-37%				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 8	UN 1789	PG III	2R	Approved	Yes	Available	04-Jul-2020
2041	HYDROCHLORIC ACID 33%				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 8	UN 1789	PG II	2R	Approved	Yes	Available	28-Sep-2020
240251	HYDROCHLORIC ACID 6% - 33%				FORMULA CHEMICALS (NSW) PTY LTD ((02) 9807 4266; 131 126)				
	Yes	DG 8	UN 1789	PG II	2R	Approved	Yes	Available	31-Dec-2020
1207	hydrogen peroxide 3% solution				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	Yes	No	-	-	-	Approved	Yes	Available	30-Sep-2021
618	HYDROGEN PEROXIDE TOPICAL SOLUTION, 3%				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	12-May-2021
9772	ICE MACHINE CLEANER M.I.I.				MANITOWOC ICE, INC. (+800-255-3924)				
	Yes	DG 8	UN 1760	PG III	2X	Approved	Yes	Available	**04-May-2015**

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
1056	ICX				A-DEC AUSTRALIA (1 352 323 3500 (Infotrac international))				
	Yes	No	-	-	-	Approved	Yes	Available	12-May-2022
321	IDARUBICIN HYDROCHLORIDE				PFIZER INC (1-800-424-9300)				
	Yes	DG 6.1	UN 2811	PG II	2X	Approved	Yes	Available	PRODUCT OBSOLETE
10338	IDARUBICIN HYDROCHLORIDE INJECTION 1 MG/ML				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	26-Sep-2022
37708050	IFOSFAMIDE				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	DG 6.1	UN 3249	PG III	2X	Approved	Yes	-	**08-Jan-2018**
957	IFOSFAMIDE				MAYNE PHARMA INTERNATIONAL PTY LTD (+1 703 527 3887)				
	Yes	DG 6.1	UN 3249	PG II	2X	Approved	Yes	Available	**08-Jan-2018**
5203	IMIDAZOLE CONCENTRATE				POINT OF CARE DIAGNOSTICS AUSTRALIA PTY LTD T/A POCD SCIENTIFIC (13 11 26 (Poison Information Centre))				
	No	No	-	-	-	Approved	Yes	Available	**30-Nov-2016**
4396	IMMERSION OIL				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	No	No	-	-	-	Approved	Yes	Available	07-Jul-2020
9315	IMMERSION OIL, FOR MICROSCOPY				CHEMSUPPLY AUSTRALIA PTY LTD (1-800-498-5701; 1-303-389-1414; +61 08 8440 2000/ 1-800-424-9300; 1-703-527-3887/ (02) 9037 2994/ 1800-127-406 (Australia); +64-4-917-9888 (International))				
	No	No	-	-	-	Approved	Yes	Available	02-Jun-2021
12910	IMMUCYST (BACILLUS CALMETTE-GUERIN (BCG), SUBSTRAIN CONNAUGHT)				SANOFI PASTEUR LTD (+1 416-667-2611, +416-667-2600)				
	No	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED
239924	IMURAN TABLETS & INJECTION VIAL				ASPEN PHARMACARE AUSTRALIA PTY LTD (+61 2 8436 8300/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	31-Jul-2019
70013077	INFLIXIMAB (Y0002047)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	No	No	-	-	-	None	Yes	Available	05-Jan-2021
13025	INSTRUMAX PINK				WHITELEY CORPORATION PTY LTD ((02) 9929 9155; 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	12-Jun-2018
5191	INTEROX 50T-HYDROGEN PEROXIDE				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 5.1 / 8	UN 2014	PG II	2P	Approved	Yes	Available	PRODUCT OBSOLETE
7524985	INTEROX ST-70				SOLVAY INTEROX PTY LTD ((02) 8014 4558)				
	Yes	DG 5.1 / 8	UN 2015	PG I	2P	Approved	Yes	Available	03-Feb-2021

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
7246	IODIDE IODATE REAGENT N/80 QT				ASHLAND. USA (+1 614 790 3333; +1 800 274 5263)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
5297	IODINE INDICATOR (104764)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	25-Dec-2021
9301	IODINE SOLUTION (PHOSPHATE HILL)				INCITEC PIVOT LIMITED (1800 033 111)				
	No	No	-	-	-	Approved	Yes	Available	25-Nov-2022
7809	IRINOTECAN HYDROCHLORIDE (I1406)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	03-Oct-2022
14899	IRINOTECAN HYDROCHLORIDE INJECTION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	08-Jul-2021
10	IRM LIQUID				DENTSPLY SIRONA PTY LTD (1300 552 929 (Mon-Fri 9am-5pm))				
	Yes	No	-	-	-	Approved	Yes	Available	01-Nov-2019
12119	IRON (III) CHLORIDE ANHYDROUS				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 8	UN 1773	PG III	2X	Approved	Yes	Available	04-Jul-2020
2542	ISOFLURANE				ABBOTT LABORATORIES PHARMACEUTICAL PRODUCTS GROUP (1-800-424-9300/ +1 (703) 527-3887)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
2358	ISOPROPYL ALCOHOL (14932)				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 3	UN 1219	PG II	•2YE	Approved	Yes	Available	11-Aug-2020
3270	ISOPROPYL ALCOHOL 70% STERILE 500 ML; ISOPROPYL ALCOHOL 70% UNTINTED 500 ML				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	Yes	DG 3	UN 1219	PG II	•2YE	Approved	Yes	Available	30-Sep-2021
240312	ISOWIPE				O&M HALYARD AUSTRALIA (1800 664 227)				
	Yes	DG 4.1	UN 3175	PG II	1Z	Approved	Yes	Available	04-Oct-2019
70000387	ISOWIPES				AINSWORTH DENTAL COMPANY PTY LTD (13 11 26)				
	Yes	DG 3	UN 1219	PG II	•2YE	Approved	Yes	Available	31-Jul-2019
239851	JANSSEN REMICADE				JANSSEN CILAG PTY LTD ((02) 8875 3333; 1800 226 334)				
	Yes	No	-	-	-	Approved	Yes	Available	01-Nov-2019
37708570	JANSSEN-CILAG DARZALEX				JANSSEN CILAG PTY LTD ((02) 8875 3333; 1800 226 334)				
	No	No	-	-	-	Approved	Yes	-	11-Jan-2019
1507	JIF CREAM				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	03-Feb-2020

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
1859	JOHNSON & JOHNSON MEDICAL CIDEX OPA SOLUTION				JOHNSON & JOHNSON MEDICAL PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	01-Jul-2019
240850	JOHNSON & JOHNSON VELCADE FOR INJECTION				JOHNSON & JOHNSON MEDICAL PTY LTD (13 11 26)				
	Yes	DG 6.1	UN 3249	PG II	2X	Approved	Yes	Available	20-Aug-2021
2315	JOHNSON'S BABY POWDER				JOHNSON & JOHNSON PACIFIC PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	13-Nov-2020
1081	JOHNSONS K-Y PERSONAL LUBRICANT				JOHNSON & JOHNSON PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
5275	KITCHEN HYGIENE D1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
3100	KITCHEN HYGIENE D2				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
242241	KLEENEX HAIR AND BODY SHOWER GEL				KIMBERLY-CLARK AUSTRALIA PTY LTD (13 11 26 (Poisons Information Centre))				
	Yes	No	-	-	-	Approved	Yes	Available	21-Dec-2021
3378	KWIK GRIP GEL				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	Yes	DG 3	UN 1133	PG II	•3YE	Approved	Yes	Available	PRODUCT OBSOLETE
1257	LEDERMIX PASTE				ASPEN PHARMACARE AUSTRALIA PTY LTD (+61 2 8436 8300/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	12-Nov-2020
12912	LEUCOVORIN CALCIUM INJECTION, USP (HOSPIRA, INC.)				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	14-Nov-2020
7455	LGMT 2				SKF AUSTRALIA PTY LTD (13 11 26/ (03) 9269 0800)				
	Yes	No	-	-	-	Approved	Yes	Available	25-May-2020
13052	LIDOCAINE HYDROCHLORIDE AND EPINEPHRINE INJECTION				NOVOCOL PHARMACEUTICAL OF CANADA, INC. (1-519-623-4800)				
	Yes	No	-	-	-	Approved	Yes	-	12-Jul-2021
12679	LIFE BASE (REGULAR & FAST)				KERR AUSTRALIA PTY LIMITED (0401 690 670)				
	Yes	DG 9	UN 3077	PG III	2Z	Approved	Yes	Available	24-Aug-2018
12680	LIFE CATALYST				KERR AUSTRALIA PTY LIMITED (0401 690 670)				
	Yes	No	-	-	-	Approved	Yes	Available	24-Aug-2018
7424	LIFESAVER SMOKE DETECTOR TESTER MODEL LIFLT711				ENSIGN LABORATORIES PTY LTD (1800 039 008; (03) 9573 3112)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	01-Nov-2019

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
14696	LIGNOCAINE 2% GEL				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	No	No	-	-	-	Approved	Yes	Available	05-Oct-2021
1138	LIGNOCAINE 2% GEL (PRESERVED)				ORION LABORATORIES PTY LTD, TRADING AS PERRIGO AUSTRALIA ((08) 9441 7800)				
	No	No	-	-	-	Approved	Yes	Available	SDS DISCONTINUED
11140	LIGNOSPAN SPECIAL				SPECIALITIES SEPTODONT PTY LTD. (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	09-Apr-2018
37705764	LION SMOKE LIQUID				BULLEX ((03) 5277 3638)				
	No	No	-	-	-	Approved	Yes	Available	10-Oct-2019
1722	LIQUEFIED PETROLEUM GAS (LPG)				ELGAS LTD (1800 819 783 (24 hours))				
	Yes	DG 2.1	UN 1075	-	2YE	Approved	Yes	Available	31-Jan-2019
3339	LOCTITE 243 KNOWN AS LOCTITE 243				HENKEL AUSTRALIA PTY LTD (1800 032 379)				
	Yes	No	-	-	-	Approved	Yes	Available	15-May-2020
7171	LOCTITE 277				HENKEL AUSTRALIA PTY LTD (1800 032 379)				
	Yes	No	-	-	-	Approved	Yes	Available	06-Feb-2020
2993	LOCTITE 406				HENKEL AUSTRALIA PTY LTD (1800 032 379)				
	Yes	No	-	-	-	Approved	Yes	Available	17-Jan-2020
5706	LOCTITE 542				HENKEL AUSTRALIA PTY LTD (1800 032 379)				
	Yes	No	-	-	-	Approved	Yes	Available	21-Jan-2020
3686	LOCTITE 567 THREAD SEALANT				HENKEL AUSTRALIA PTY LTD (1800 032 379)				
	Yes	No	-	-	-	Approved	Yes	Available	08-May-2020
240265	LOCTITE 601				HENKEL LTD (+44 (0)1442 278497)				
	Yes	No	-	-	-	Approved	Yes	Available	20-Oct-2021
3600	LOCTITE 641				HENKEL AUSTRALIA PTY LTD (1800 032 379)				
	Yes	No	-	-	-	Approved	Yes	Available	15-May-2020
14850	LOCTITE SF 7471 PRIMER KNOWN AS LOCTITE 7471 PRIMER LOCQUIC				HENKEL AUSTRALIA PTY LTD (1800 032 379)				
	Yes	DG 3	UN 1993	PG II	•3YE	Approved	Yes	Available	03-Feb-2020
6198	LP GAS				SUPAGAS PTY LIMITED (1300 275 021)				
	Yes	DG 2.1	UN 1075	-	2YE	Approved	Yes	Available	22-Nov-2022
37707470	LUGOL'S IODINE				AUSTRALIAN WATER QUALITY CENTRE (+61 417 852 480)				
	No	No	-	-	-	Approved	Yes	-	02-Dec-2022

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
6145	LUGOL'S SOLUTION (DILUTED IODINE-POTASSIUM IODIDE SOLUTION) FOR THE GRAM STAINING METHOD (109261)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	30-Jun-2021
13651	LUX FLAKES				PENTAL PRODUCTS PTY LTD ((03) 5820 5200/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	15-Mar-2018
240102	MAGNESIUM CHLORIDE HEXAHYDRATE				ASTRAL SCIENTIFIC PTY LTD ((02) 9540 2055; 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	04-Jul-2018
511850	MALMET MACHINE DETERGENT				MALMET (AUSTRALIA) PTY LTD (13 11 26)				
	Yes	DG 8	UN 1719	PG II	2R	Approved	Yes	Available	08-Oct-2019
333	MATRIX				WHITELEY CORPORATION PTY LTD ((02) 9929 9155; 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	06-Apr-2021
242226	MATRIX WIPES				WHITELEY CORPORATION PTY LTD ((02) 9929 9155; 13 11 26)				
	No	No	-	-	-	Approved	Yes	-	08-Apr-2021
2838	MAXBOND				H.B. FULLER COMPANY AUSTRALIA PTY LTD (1800 033 111)				
	Yes	DG 3	UN 1133	PG III	•3Y	Approved	Yes	Available	20-Nov-2020
6776	MAXFILL EASY FILLER				H.B. FULLER COMPANY AUSTRALIA PTY LTD (1800 033 111)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
460	MEDI SWAB				BSN MEDICAL (AUST.) PTY. LTD. (1300 688 826)				
	Yes	No	-	-	-	Approved	Yes	Available	06-Dec-2021
241307	MEDICAL AIR, COMPRESSED				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 1002	-	2T	Approved	Yes	Available	19-Aug-2021
7154	MEDICAL CARBANOX				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2 / 5.1	UN 3156	-	2S	Approved	Yes	Available	29-Nov-2018
2489	MEDICAL CARBON DIOXIDE, COMPRESSED, GAS & LIQUID WITHDRAWAL				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 1013	-	2RE	Approved	Yes	Available	19-Aug-2021
242196	MEDICAL CARBON DIOXIDE, EP GRADE				AIR LIQUIDE HEALTHCARE PTY LIMITED (1800 812 588)				
	Yes	DG 2.2	UN 1013	-	2RE	Approved	Yes	Available	28-Nov-2022
195	MEDICAL EQUANOX				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2 / 5.1	UN 3156	-	2S	Approved	Yes	Available	29-Nov-2018
37709093	MEDICAL LIQUID OXYGEN				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2 / 5.1	UN 1073	-	2P	Approved	Yes	Available	23-Jun-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
2478	MEDICAL NITROUS OXIDE, COMPRESSED				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2 / 5.1	UN 1070	-	2P	Approved	Yes	Available	19-Aug-2021
240579	MEDICAL OXYGEN				AIR PRODUCTS PLC (0500 020202 / +44 870 190 6874)				
	Yes	DG 2.2 / 5.1	UN 1072	-	2S	Approved	Yes	Available	**06-Nov-2017**
512193	MEDIZYME				WHITELEY CORPORATION PTY LTD ((02) 9929 9155; 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	09-Apr-2021
9779	MERCURY (83360)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 8	UN 2809	PG III	2X	Approved	Yes	Available	20-Aug-2021
1066	MESNA INJECTION				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	No	No	-	-	-	Approved	Yes	-	06-Dec-2022
3003	METHANOL				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 3 / 6.1	UN 1230	PG II	•2WE	Approved	Yes	Available	04-Jul-2020
241520	METHO				LIVINGSTONE INTERNATIONAL PTY LTD ((02) 9313 6111)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	26-Jul-2018
9173	METHOTREXATE				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	DG 6.1	UN 3249	PG III	2X	Approved	Yes	Available	06-Dec-2022
3124	METHOTREXATE INJECTION, USP				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Restricted	Yes	Available	19-Dec-2021
240882	METHYLATED SPIRITS				RECOCHEM INC ((07) 3308 5200; 1300 131 001 (After hours)/ 0800 764 766)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	31-Jan-2022
503108	MICROSHIELD 4 CHLORHEXIDINE SURGICAL HANDWASH				SCHULKE AUSTRALIA PTY LTD (13 11 26/ (02) 8875 9300)				
	Yes	No	-	-	-	Approved	Yes	Available	01-Nov-2019
241286	MILTON ANTIBACTERIAL SOLUTION				PROBIOTEC PHARMA PTY LTD ((03) 9278 7555; 1800 620 898)				
	Yes	No	-	-	-	Approved	Yes	Available	20-Dec-2022
8002	MINIFLAM GAS				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.1	UN 1075	-	2YE	Approved	Yes	Available	19-Aug-2021
5531	MITOMYCIN C				ROCHE DIAGNOSTICS (IMPORTED BY SIGMA-ALDRICH PTY LTD) ((02) 9037 2994)				
	Yes	DG 6.1	UN 2811	PG II	2X	Approved	Yes	Available	13-Oct-2021
13867	MITOXANTRON				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	31-May-2019

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
9587	MITOXANTRONE DIHYDROCHLORIDE (M6545)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	03-Oct-2022
3880	MODIFIED SILICONE CONFORMAL COATING #494-714				RS COMPONENTS PTY LTD (1800 039 008; (03) 9573 3112)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	24-Feb-2020
7524828	MOLYKOTE 1000 PASTE				TULP OPERATIONS AUSTRALIA PTY LTD ((02) 9037 2994/ 13 11 26 (Poisons Information Centre))				
	No	DG 9	UN 3077	PG III	2Z	Approved	Yes	-	04-Jun-2021
8440	MULTI SUPER SPRING FRESH SURFACE SPRAY				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	PRODUCT OBSOLETE
2832	MUPHORAN (FOTEMUSTINE) POWDER FOR INJECTION VIAL AND DILUENT AMPOULE				SERVIER LABORATORIES (AUST) PTY LTD (13 11 26 (PIC); 1800 153 590)				
	Yes	No	-	-	-	Approved	Yes	-	10-Aug-2021
37706380	N,N'-DICYCLOHEXYLCARBODIIMIDE FOR SYNTHESIS (802954)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 6.1	UN 2811	PG II	2XE	Approved	Yes	-	04-Jun-2021
7524978	N-2				DYNO NOBEL ASIA PACIFIC LIMITED (1800 098 836)				
	No	No	-	-	-	Approved	Yes	Available	13-Dec-2022
7252	NALCO - PA-1 SOLUTION				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	**08-Feb-2017**
7253	NALCO - PA-2 SOLUTION				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	**07-Feb-2017**
6203	NALCO 2556				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8 / 3	UN 2734	PG II	•2W	Approved	Yes	Available	PRODUCT OBSOLETE
3037	NALCO 2593				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 8	UN 3265	PG II	2X	Approved	Yes	Available	22-Mar-2018
7294	NALCO 5032				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8	UN 2967	PG III	2X	Approved	Yes	Available	27-Feb-2021
7524622	NALCO 7330				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 8	UN 3265	PG II	2X	Approved	Yes	Available	13-Jul-2022
9784	NALCO 7338				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8 / 6.1	UN 2922	PG II	2X	Approved	Yes	Available	PRODUCT OBSOLETE
7524805	NALCO 7392				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 8	UN 3264	PG III	2X	Approved	Yes	Available	10-Mar-2021

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
7288	NALCO N1 REAGENT				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	10-Dec-2019
7524806	NALCO STABREX ST70 (PRE 2019)				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 8	UN 3266	PG II	2X	Approved	Yes	Available	PRODUCT OBSOLETE
680	NAPISAN (VANISH) OXIACTION				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
70013187	NATALIZUMAB INJECTION				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	No	No	-	-	-	None	Yes	-	19-Dec-2019
1544	NEACO SAFETY SPRAY				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	21-Jul-2018
5138	NEUTRAL BUFFERED FORMALIN 37-40%				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	No	-	-	-	Approved	Yes	Available	08-Jun-2018
6246	NEUTRAL BUFFERED FORMALIN X8 CONCENTRATE				AUSTRALIAN BIOSTAIN PTY LTD (1800 127 406)				
	Yes	DG 8	UN 2209	PG III	2P	Approved	Yes	Available	PRODUCT OBSOLETE
14838	NEUTRAL BUFFERED FORMALIN, 5-10%				POINT OF CARE DIAGNOSTICS AUSTRALIA PTY LTD T/A POCD SCIENTIFIC (13 11 26 (Poison Information Centre))				
	Yes	No	-	-	-	Approved	Yes	Available	30-Sep-2019
6205	NEXGUARD 22310				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	30-Dec-2020
7524801	NEXGUARD 22359				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	24-Apr-2021
4420	NILODOR CONCENTRATE				PZ CUSSONS PTY LTD (13 11 26)				
	Yes	DG 3	UN 1169	PG III	3Y	Approved	Yes	Available	01-Nov-2019
11073	NITROGEN COMPRESSED				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2	UN 1066	-	2T	Approved	Yes	Available	02-Jul-2019
2488	NITROGEN, COMPRESSED				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 1066	-	2T	Approved	Yes	Available	19-Aug-2021
9570	NITROUS OXIDE, COMPRESSED				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2 / 5.1	UN 1070	-	2P	Approved	Yes	Available	19-Aug-2021
1986	NITROUS OXIDE- MEDICAL				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2 / 5.1	UN 1070	-	2P	Approved	Yes	Available	29-Nov-2018

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
37711172	NIVOLUMAB INJECTION				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	23-Sep-2019
240939	NOCOLYSE MINT				EQUIPMED (+61 2 9889 3636)				
	Yes	No	-	-	-	Approved	Yes	Available	01-May-2018
1831	NON CAUSTIC OVEN CLEANER D92				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
7188	NORTHFORK DISHWASHING LIQUID GREEN				ACCO BRANDS AUSTRALIA PTY LTD (13 11 26 (Poisons Information Centre))				
	Yes	No	-	-	-	Approved	Yes	Available	16-Apr-2021
7524905	ODONTOCEM LIQUID				AUSTRALIAN DENTAL MANUFACTURING ((07) 3878 1901)				
	No	No	-	-	-	Approved	Yes	Available	05-Aug-2020
7524906	ODONTOCEM POWDER				AUSTRALIAN DENTAL MANUFACTURING ((07) 3878 1901)				
	Yes	No	-	-	-	Approved	Yes	Available	05-Aug-2020
37708923	ODONTOCIDE				AUSTRALIAN DENTAL MANUFACTURING ((07) 3878 1901)				
	Yes	No	-	-	-	Approved	Yes	-	05-Aug-2020
7523939	ODONTOPASTE				AUSTRALIAN DENTAL MANUFACTURING ((07) 3878 1901)				
	Yes	No	-	-	-	Approved	Yes	Available	05-Aug-2020
6490	OLSSON'S SEA SALT				PACIFIC SALT PTY LTD / OLSSON INDUSTRIES PTY LTD (1800 804 096)				
	No	No	-	-	-	Approved	Yes	Available	01-Sep-2019
240942	OMO LIQUID DETERGENT				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	08-Oct-2018
242405	ONE SHOT KILLING POWER RAID KILLS INSECTS IN ONE SHOT MULTIPURPOSE INSECT KILLER ODOURLESS (APVMA 64887)				S.C. JOHNSON & SON PTY. LTD. (AU) (13 11 26 (Poisons Information Centre)/ (02) 9428 9111)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	**19-Feb-2018**
37706179	OPTIBOND XTR PRIMER				KERR AUSTRALIA PTY LIMITED (0401 690 670)				
	Yes	DG 3	UN 1993	PG II	•3YE	Approved	Yes	-	26-May-2021
243197	OPTIMO LAUNDRY POWDER (FRONT LOADER)				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	02-Aug-2021
5192	OPTIMO LAUNDRY POWDER (TOP LOADER)				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	21-Dec-2022
7525054	OSMOCLEAN CD				OSMOFLO WATER MANAGEMENT PTY LTD (1800 039 008)				
	Yes	No	-	-	-	Approved	Yes	Available	20-Aug-2021

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
7525053	OSMOCLEAN DW				OSMOFLO WATER MANAGEMENT PTY LTD (1800 039 008)				
	Yes	No	-	-	-	Approved	Yes	Available	20-Aug-2022
7525052	OSMODECHLOR				OSMOFLO WATER MANAGEMENT PTY LTD (1800 039 008)				
	Yes	DG 8	UN 2693	PG III	2X	Approved	Yes	Available	04-Feb-2020
6253	OVEN & GRILL CLEANER				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1824	PG II	2R	Approved	Yes	Available	PRODUCT OBSOLETE
5848	OVEN CLEANER				JASOL AUSTRALIA (1800 629 953/ 13 11 26)				
	Yes	DG 8	UN 1719	PG II	2R	Approved	Yes	Available	27-Apr-2021
6091	OXALIC ACID DIHYDRATE				CHEMSUPPLY AUSTRALIA PTY LTD (1-800-498-5701; 1-303-389-1414; +61 08 8440 2000/ 1-800-424-9300; 1-703-527-3887/ (02) 9037 2994/ 1800-127-406 (Australia); +64-4-917-9888 (International))				
	Yes	DG 8	UN 3261	PG III	2X	Approved	Yes	Available	31-Mar-2020
11877	OXALIPLATIN FOR INJECTION (POWDER FOR SOLUTION)				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	11-Jun-2018
6828	OXYGEN (LIQUID)				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2 / 5.1	UN 1073	-	2P	Approved	Yes	Available	29-Nov-2018
7548	OXYGEN COMPRESSED				COREGAS PTY LTD (1300607577)				
	Yes	DG 2.2 / 5.1	UN 1072	-	2S	Approved	Yes	Available	02-Jul-2019
1352	OXYGEN, ALIGAL 3, LASAL 2003				AIR LIQUIDE AUSTRALIA LIMITED (1800 800 055, 1800 812 588)				
	Yes	DG 2.2 / 5.1	UN 1072	-	2S	Approved	Yes	Available	21-Oct-2021
243039	OXYGEN, COMPRESSED				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2 / 5.1	UN 1072	-	2S	Approved	Yes	Available	19-Aug-2021
7524961	P4 FIRE PILLOWS				PYROPANEL (+61 3 9837 8500)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
3756	PACLITAXEL (T7402)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	29-Jul-2021
12710	PALACOS R+G -, PALACOS LV+G -, PALACOS MV+G -, PALAMED G - POWDER				HERAEUS MEDICAL AUSTRALIA PTY LTD (0419 612 016/ +49 6132 84463 (International))				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
240692	PALMOLIVE REGULAR DISHWASHING LIQUID ORIGINAL				COLGATE-PALMOLIVE PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	16-Mar-2018
14832	PAMIDRONATE DISODIUM INJECTION (HOSPIRA, INC.)				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	29-Sep-2020

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
4258	PC201, PC202RF, PC204RF, PC300RF, PC301, PC302RF, PC304RF INK FILM				BROTHER INTERNATIONAL (AUST) PTY LTD ((02) 9887 4344)				
	No	No	-	-	-	Approved	Yes	Available	15-Jun-2020
70001458	PEMETREXED (PHR1596)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	-	17-Sep-2021
7527283	PERDIEM				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	16-Dec-2022
70001341	PERTUZUMAB INJECTION				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	24-Oct-2019
6608	PEST OIL INSECT CONTROL SPRAY				YATES AUSTRALIA, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111 (ALL HOURS))				
	No	No	-	-	-	Approved	Yes	Available	24-Jan-2020
7774	PETROLEUM JELLY				CHEMSUPPLY AUSTRALIA PTY LTD (1-800-498-5701; 1-303-389-1414; +61 08 8440 2000/ 1-800-424-9300; 1-703-527-3887/ (02) 9037 2994/ 1800-127-406 (Australia); +64-4-917-9888 (International))				
	No	No	-	-	-	Approved	Yes	Available	31-Jul-2020
12374	PH BUFFER 4.0				AUSTRALIAN SCIENTIFIC ENTERPRISE PTY LTD (02 9477 3870)				
	No	No	-	-	-	Approved	Yes	Available	11-Apr-2018
7524976	PH BUFFER 7				GROWTH TECHNOLOGY PTY LTD ((08) 9331 3091)				
	No	No	-	-	-	Approved	Yes	Available	18-Aug-2021
5849	PHENOLPHTHALEIN				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	No	-	-	-	Approved	Yes	Available	04-Jul-2020
7524979	PHOSVER 3 PHOSPHATE REAGENT (2106069)				HACH PACIFIC (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	23-Jun-2020
2135	PLUMBWELD PVC CEMENT N BLUE				BOSTIK AUSTRALIA PTY LTD (1800 033 111)				
	Yes	DG 3	UN 1133	PG II	•3YE	Approved	Yes	Available	PRODUCT OBSOLETE
6764	POLY MULTIPURPOSE EXTERIOR POWDER FILLER				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	Yes	No	-	-	-	Approved	Yes	Available	10-Jun-2020
3544	POLYFILLA MULTIPURPOSE INTERIOR FILLER				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	No	No	-	-	-	Approved	Yes	Available	14-Apr-2021
6774	POLYFILLA RTU SKIM COAT				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	Yes	No	-	-	-	Approved	Yes	Available	28-Aug-2021
70004217	POMALIDOMIDE (P0018)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	01-Oct-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
13077	POTASSIUM IODIDE/IODATE N/50				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
5736	POTASSIUM MODIFIER FOR HAEMODIALYSIS SOLUTIONS				FRESENIUS MEDICAL CARE AUSTRALIA PTY. LTD. ((02) 8788 5900/ 13 11 26)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	07-Feb-2019
1780	POVIDONE IODINE SWAB STICK				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	No	-	-	-	Approved	Yes	Available	04-Jul-2020
7095	PREMIUM UNLEADED PETROL				AMPOL AUSTRALIA PETROLEUM PTY LTD (FORMERLY CALTEX AUSTRALIA) (1800 033 111)				
	Yes	DG 3	UN 1203	PG II	3YE	Approved	Yes	Available	16-May-2019
241444	PROCARBAZINE HYDROCHLORIDE (SML0036)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	-	26-Sep-2020
502	PTFE / SILICONE LUBRICANT #569-256				RS COMPONENTS PTY LTD (1800 039 008; (03) 9573 3112)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	PRODUCT OBSOLETE
240455	PULPDENT PASTE				W9 PTY LTD (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	10-Jul-2019
70012939	PURELL ADVANCED FOAM HAND RUB				GOJO INDUSTRIES INC (1-800-424-9300)				
	Yes	DG 3	UN 1987	PG III	•3Y	None	Yes	-	**08-Feb-2018**
7524074	PURELL ANTISEPTIC HAND FOAM				GOJO AUSTRALASIA PTY LTD (+612 9016 3885/ 1800 634 340)				
	Yes	DG 3	UN 1987	PG III	•3Y	Approved	Yes	Available	03-Dec-2020
239977	PURELL ANTISEPTIC HAND GEL				GOJO AUSTRALASIA PTY LTD (+612 9016 3885/ 1800 634 340)				
	Yes	DG 3	UN 1987	PG III	•3Y	Approved	Yes	Available	09-Dec-2019
5268	QV SKIN LOTION				EGO PHARMACEUTICALS PTY LTD ((03) 9586 8800; 1800 033 706/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	25-Aug-2021
3179	R134A				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 3159	-	2TE	Approved	Yes	Available	19-Aug-2021
2485	R22				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 1018	-	2TE	Approved	Yes	Available	19-Aug-2021
8001	R404A				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 3337	-	2RE	Approved	Yes	Available	19-Aug-2021
3180	R410A				BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))				
	Yes	DG 2.2	UN 1078	-	2TE	Approved	Yes	Available	19-Aug-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
37711505	R5 PLUS AIR FRESHENER				DIVERSEY, INC (+1 800 851 7145 (US); +1 651 917 6133 (Intl))				
	Yes	No	-	-	-	Approved	Yes	Available	01-Jul-2020
37707325	R7				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	15-Apr-2020
243465	R7 CREAM CLEANER (0.5L)				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	01-Sep-2021
3129	RAID COMMERCIAL INSECTICIDE ODOURLESS FLY AND INSECT KILLER				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	**02-Feb-2018**
2112	RAID COMMERCIAL INSECTICIDE RESIDUAL SURFACE SPRAY				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	**02-Feb-2018**
7524800	RAPP-IT PIPE REPAIR BANDAGE				MARINE & INDUSTRIAL MARKETING (13 11 26 (PIC))				
	Yes	No	-	-	-	Approved	Yes	Available	24-Apr-2019
3986	RAW LINSEED OIL				RECOCHEM INC ((07) 3308 5200; 1300 131 001 (After hours)/ 0800 764 766)				
	No	No	-	-	-	Approved	Yes	Available	14-Feb-2020
7524986	RECOVERED REFRIGERANT NON-FLAMMABLE				REFRIGERANT RECLAIM AUSTRALIA LTD ((02) 62305244)				
	Yes	DG 2.2	UN 1078	-	2RE	Approved	Yes	Available	28-Oct-2021
2401	REMOVE UNIVERSAL ADHESIVE REMOVER WIPES				SMITH & NEPHEW PTY LTD ((02) 9857 3999)				
	Yes	DG 4.1	UN 3175	PG III	1Z	Approved	Yes	Available	28-Jan-2022
6881	RESTORE				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 8	UN 3262	PG II	2X	Approved	Yes	Available	20-Nov-2020
537055	REVITAL-OX 2X CONCENTRATE ENZYMATIC DETERGENT				DEVICE TECHNOLOGIES AUSTRALIA PTY LTD (NSW) (1800 429 551)				
	Yes	No	-	-	-	Approved	Yes	Available	09-Oct-2018
7523960	REVLIMID CAPSULES (LENALIDOMIDE CAPSULES)				CELGENE PTY LTD (+(61) 2 9037 2994 (Chemtrec); 13 11 26 (PIC))				
	Yes	No	-	-	-	Approved	Yes	-	07-May-2018
239936	Reynard Neutral Detergent Wipes				REYNARD HEALTH SUPPLIES (AUSTRALIA) (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	31-Jan-2019
7794	RICOH TONER TYPE 1230D BLACK (BLACK TONER)				RICOH AUSTRALIA PTY LTD (13 11 26; (02) 8977 1111)				
	No	No	-	-	-	Approved	Yes	Available	**25-May-2016**
7182	RINSE AID (CJET RINSE)				COMCATER ((03) 8369 4600)				
	No	No	-	-	-	Approved	Yes	Available	02-Apr-2020

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
219	RIODINE ANTISEPTIC SOLUTION (15 ML, 100 ML, 500 ML); RIODINE ANTISEPTIC SOLUTION (OTC) (15 ML, 100 ML)				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	Available	14-Sep-2020
2922	RIODINE S SURGICAL SCRUB 500 ML				PERRIGO AUSTRALIA (Australia: 13 11 26 (Poisons Information Centre))				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	08-Jan-2022
577	RITUXIMAB				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	08-Jul-2022
7971	ROOM CARE R1 PLUS CONC				DIVERSEY NEW ZEALAND LTD (0800 243 622)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
6268	ROOM CARE R2				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
7522910	ROOM CARE R5-PLUS				DIVERSEY NEW ZEALAND LTD (0800 243 622)				
	Yes	No	-	-	-	Approved	Yes	Available	03-Jul-2018
3230	ROUNDUP HERBICIDE				SINOCHEM INTERNATIONAL AUSTRALIA PTY LTD (1800 033 111; (03) 9663 2130)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	PRODUCT OBSOLETE
7524834	RYDLYME MARINE				RYDLYME INTERNATIONAL PTY LTD (0418 927 967)				
	No	No	-	-	-	Approved	Yes	Available	14-Dec-2022
5652	S-CAL CALIBRATOR				BECKMAN COULTER, INC. ((800) 424-9300)				
	No	No	-	-	-	Approved	Yes	Available	13-Jul-2022
9604	S-CLEAN				PEERLESS JAL PTY LTD ((03) 9416 6700)				
	No	No	-	-	-	Approved	Yes	Available	28-Apr-2021
8240	SAFRANINE O (C.I. 50240) FOR MICROSCOPY CERTISTAIN (115948)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	01-Dec-2021
14645	SANIBAC				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	No	No	-	-	-	Approved	Yes	Available	26-Oct-2021
6409	SANITIZED COLORGROUT				SIKA AUSTRALIA PTY LTD (1800 033 111 (or 02 9757 5634 business hours))				
	Yes	No	-	-	-	Approved	Yes	Available	09-Dec-2021
243427	SANOFI CALAMINE LOTION				TISMOR HEALTH & WELLNESS ((02) 9503 0000)				
	No	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	18-Nov-2021
254	SAVACOL MOUTH WASH FRESHMINT-CHLORHEXIDINE				COLGATE-PALMOLIVE PTY LTD ((02) 9037 2994)				
	No	DG 3	UN 1993	PG III	•3Y	Approved	Yes	Available	23-Apr-2018

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
14237	SC JOHNSON PROFESSIONAL WILD LAVENDER AEROSOL				S.C. JOHNSON & SON PTY. LTD. (AU) (13 11 26 (Poisons Information Centre)/ (02) 9428 9111)				
	Yes	DG 2.1	UN 1950	-	-	Approved	Yes	Available	14-Oct-2021
240234	SCANDONEST 3%				SPECIALITIES SEPTODONT PTY LTD. (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	09-Apr-2018
4856	SCAVENGER III				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	No	No	-	-	-	Approved	Yes	Available	**07-Dec-2016**
3232	SELLEYS ALL CLEAR				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	Yes	DG 3	UN 1133	PG II	•3YE	Approved	Yes	Available	22-Sep-2021
3932	SELLEYS EZY GLIDE				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	01-Jul-2021
1990	SELLEYS FIX & GO KWIK GRIP				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	Yes	DG 3	UN 1133	PG II	•3YE	Approved	Yes	Available	18-Oct-2021
10864	SELLEYS NO MORE GAPS MULTIPURPOSE				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	No	No	-	-	-	Approved	Yes	Available	02-Dec-2018
2300	SELLEYS RP7				SELLEYS, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	23-Aug-2021
12178	SEPTANEST WITH ADRENALINE 1:100 000				SPECIALITIES SEPTODONT PTY LTD. (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	15-Nov-2019
1781	SEVORANE (ANZ)				ABBVIE PTY LTD (1800 043 460)				
	No	No	-	-	-	Approved	Yes	Available	01-Nov-2019
9657	SF-780NT1 / SF-780ST1 / SF-780CT1 / SF-780ET1 (BLACK TONER)				SHARP CORPORATION OF AUSTRALIA PTY LTD (1300 135 022)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
6723	SHARP SHOOTER NATURAL PYRETHRUM INSECT SPRAY CONCENTRATE				SEASOL INTERNATIONAL PTY LTD ((03) 6326 3011; (03) 6395 1254 A/hrs; 1800 335 508)				
	No	No	-	-	-	Approved	Yes	Available	28-Oct-2018
501168	SHAVING FOAM CREAM				LIVINGSTONE INTERNATIONAL PTY LTD ((02) 9313 6111)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	03-Sep-2018
3602	SHELL ALVANIA GREASE EP (LF) 0				VIVA ENERGY AUSTRALIA LTD (1800 651 818/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	-	PRODUCT OBSOLETE
1334	SHELLITE				RECOCHEM INC ((07) 3308 5200; 1300 131 001 (After hours)/ 0800 764 766)				
	Yes	DG 3	UN 1268	PG II	3YE	Approved	Yes	Available	01-Feb-2022

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
7524817	SIMPLE GREEN ALL-PURPOSE CLEANER				ZENEXUS (13 11 26 (Poisons Information Centre))				
	No	No	-	-	-	Approved	Yes	Available	20-Mar-2019
240037	SINGER OIL				PACKAGING PROFESSIONALS (FORMERLY CARE PACKAGING PTY LTD) ((02) 6338 2100)				
	Yes	No	-	-	-	Approved	Yes	Available	30-Jun-2019
7594	SK7/ SC7/ SM7/ SY7 TONER				LEXMARK INTERNATIONAL (AUSTRALIA) PTY LIMITED (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
241955	SKINMAN 90				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	02-Mar-2021
6883	SLEEK 50				PEERLESS JAL PTY LTD ((03) 9416 6700)				
	No	No	-	-	-	Approved	Yes	Available	28-Feb-2022
14302	SMART BRILLIANT				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	Yes	No	-	-	-	Approved	Yes	Available	26-Oct-2021
37707382	SMARTBAG				FRESENIUS MEDICAL CARE AUSTRALIA PTY. LTD. ((02) 8788 5900/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	28-Feb-2022
240218	SODASORB				GRACE AUSTRALIA PTY LTD (1800 638 556, (03) 8401 6300)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
7523848	SODIUM BICARBONATE				AGENT SALES & SERVICES PTY LTD (1800 995 539/ (08) 6270 4500)				
	No	No	-	-	-	Approved	Yes	Available	31-May-2020
3767	SODIUM CHLORIDE 0.9% INJECTION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	No	No	-	-	-	Approved	Yes	Available	22-Sep-2022
1754	SODIUM CHLORIDE 0.9% IRRIGATION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	No	No	-	-	-	Approved	Yes	Available	12-Jun-2019
69807	SODIUM HYDROGEN CARBONATE				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	No	No	-	-	-	Approved	Yes	Available	04-Jul-2020
6259	SODIUM HYDROXIDE 30%				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1824	PG II	2R	Approved	Yes	Available	22-Dec-2022
4350	SODIUM HYDROXIDE PELLETS EXTRA PURE				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 8	UN 1823	PG II	2W	Approved	Yes	Available	04-Jul-2020
9298	SODIUM HYPOCHLORITE 12.5%				JASOL AUSTRALIA (1800 629 953/ 13 11 26)				
	Yes	DG 8	UN 1791	PG III	2X	Approved	Yes	Available	27-Apr-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
2400	SODIUM HYPOCHLORITE 5-20%				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 8	UN 1791	PG II	2X	Approved	Yes	Available	04-Jul-2020
7322	SODIUM HYPOCHLORITE SOLUTION				WATER TREATMENT SERVICES (AUST) PTY LTD (1800 033 111)				
	Yes	DG 8	UN 1791	PG III	2X	Approved	Yes	Available	04-Nov-2020
7525051	SODIUM HYPOCHLORITE SOLUTION (10-15% AVAILABLE CHLORINE)				CHESSER CHEMICALS PTY LTD (1800 039 008)				
	Yes	DG 8	UN 1791	PG III	2X	Approved	Yes	Available	28-Mar-2019
241387	SODIUM HYPOCHLORITE SOLUTION (10-15% AVAILABLE CHLORINE)				IXOM OPERATIONS PTY LTD (1800 033 111)				
	Yes	DG 8	UN 1791	PG II	2X	Approved	Yes	Available	18-Sep-2019
3285	SODIUM PERBORATE TETRAHYDRATE (71840)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 5.1	UN 1479	PG III	1Y	Approved	Yes	Available	28-Apr-2020
5857	SODIUM THIOSULPHATE ANHYDROUS				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	No	No	-	-	-	Approved	Yes	Available	04-Jul-2020
5845	SOFTCARE GUEST SOAP WRAPPED				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
222	SOL L				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 3	UN 1170	PG III	•2Y	Approved	Yes	Available	26-Jul-2021
996	SOL-TAB				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	No	-	-	-	Approved	Yes	Available	09-Aug-2021
7298	SOLN S0209 BARIUM CHLORIDE CRYSTALS				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 6.1	UN 1564	PG III	2Z	Approved	Yes	Available	23-Mar-2021
885	SOLUSCOPE A				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	No	-	-	-	Approved	Yes	Available	18-Aug-2021
211	SOLUSCOPE C+				GALLAY MEDICAL & SCIENTIFIC PTY LTD (1300 425 529)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
7527907	SOLUSCOPE CLN+				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	No	-	-	-	Approved	Yes	Available	31-Aug-2020
886	SOLUSCOPE P				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 5.1 / 8	UN 3149	PG II	2P	Approved	Yes	Available	14-Aug-2020
512033	SONEX				WHITELEY CORPORATION PTY LTD ((02) 9929 9155; 13 11 26)				
	Yes	DG 8	UN 1719	PG III	2R	Approved	Yes	Available	14-Apr-2021

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
12894	SONIC 1				SONICLEAN PTY LTD ((02) 8014 4558/ 1800 141 474/ (08) 8234 8398)				
	Yes	DG 8	UN 1814	PG III	2R	Approved	Yes	Available	10-Jul-2020
240430	SONIDET				WHITELEY CORPORATION PTY LTD ((02) 9929 9155; 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	14-Apr-2021
70013190	SOTROVIMAB (VIR-7831) DRUG PRODUCT				GLAXOSMITHKLINE AUSTRALIA PHARMACEUTICALS AND VACCINES ((02) 9037 2994)				
	No	No	-	-	-	None	Yes	-	16-Mar-2022
6257	SPARKLE JF DILUTED 1:40				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
9579	SPARKLE WINDOW CLEANER				CUSTOM CHEMICALS INTERNATIONAL PTY LTD (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	02-Sep-2021
5917	SPECTRUM				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	13-Nov-2018
1682	SPILL-X-A				TYCO FIRE PROTECTION PRODUCTS (USA) (+1 800 424 9300; +1 703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	-	01-Jul-2020
1683	SPILL-X-C				TYCO FIRE PROTECTION PRODUCTS (USA) (+1 800 424 9300; +1 703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	-	01-Jul-2020
1684	SPILL-X-S				TYCO FIRE PROTECTION PRODUCTS (USA) (+1 800 424 9300; +1 703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	-	01-Jul-2020
7250	STABREX ST40				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8	UN 3266	PG II	2X	Approved	Yes	Available	PRODUCT OBSOLETE
9783	STEA00356A				CHAMPIONX AUSTRALIA PTY LTD (1800 127 406/ +61 4 917 8888)				
	Yes	DG 8 / 3	UN 2734	PG II	•2W	Approved	Yes	Available	14-Nov-2021
87	STEEL COAT				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	No	-	-	-	Approved	Yes	Available	19-Nov-2020
9788	STEELO SOAP PADS - YELLOW				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	No	No	-	-	-	Approved	Yes	Available	17-Jun-2021
14897	STERIS S40 STERILANT CONCENTRATE				DEVICE TECHNOLOGIES AUSTRALIA PTY LTD (NSW) (1800 429 551)				
	Yes	DG 5.2 / 8	UN 3109	-	2W	Approved	Yes	Available	31-Oct-2018
6718	STIHL 2 STROKE				BP AUSTRALIA PTY LTD (1800 14 14 74 within Australia or +61 2 8014 4558)				
	Yes	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
9780	SULPHURIC ACID 6.5% V/V				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8	UN 2796	PG II	2R	Approved	Yes	Available	24-Sep-2019
6260	SULPHURIC ACID 60%				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1830	PG II	2P	Approved	Yes	Available	**02-Feb-2018**
7302	SULPHURIC ACID N/50				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	No	No	-	-	-	Approved	Yes	Available	30-Aug-2018
3888	SUMA BIO-FLOOR CLEANER				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	15-Nov-2018
240466	SUMA CALC D5				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1805	PG III	2R	Approved	Yes	Available	22-Dec-2022
7242	SUMA CRYSTAL A8				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	13-Feb-2020
1824	SUMA DIVERSOL CX				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	01-Jan-2023
3105	SUMA EDEN D4.5				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1805	PG III	2R	Approved	Yes	Available	01-Jan-2023
5842	SUMA MULTI D2 CONC J-FLEX				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 2491	PG III	2X	Approved	Yes	Available	**02-Feb-2018**
6099	SUMA MULTI-CONC D2 CONC				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 2491	PG III	2X	Approved	Yes	Available	30-Apr-2019
2301	SUMA NOVA L6				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1824	PG II	2R	Approved	Yes	Available	08-Jun-2021
1825	SUMA SAN CONC D4A-CONC				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	12-Oct-2021
240332	SUMA SPECIAL L4				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1824	PG II	2R	Approved	Yes	Available	03-Jun-2021
507284	SUMA STAR D1				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	29-Jul-2019
3069	SUMA STAR PLUS D1 DILUTED 3ML-10L				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
7526969	SUMA STAR PLUS D1-PLUS				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	Available	16-Sep-2020
2837	SUPER ETCH, SUPER ETCH LV AND ACID ETCH GEL/ LIQUID				SDI LIMITED ((03) 8727 7111)				
	Yes	DG 8	UN 1805	PG III	2R	Approved	Yes	Available	10-Mar-2021
6274	SUPERMIX 9 OVEN AND RANGE DECARBONISER				ITW POLYMERS & FLUIDS PTY LTD (1800 385 556 / 0438 465 960/ 1800 039 008/ (03) 9573 3112)				
	Yes	DG 8	UN 1814	PG II	2R	Approved	Yes	Available	PRODUCT OBSOLETE
503222	SURGISTAIN				CHEMZYME AUST. PTY LTD ((07) 5448 0460)				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE
6599	SWITCH CLEANER LUBRICANT				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	PRODUCT OBSOLETE
12649	T-1640D				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	31-Jan-2019
70004310	T-3511D-C				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	-	05-Mar-2019
70004311	T-3511D-K				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	-	05-Mar-2019
70004312	T-3511D-M				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	-	05-Mar-2019
70004313	T-3511D-Y				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	-	05-Mar-2019
243345	T-FC25D-C				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	10-Oct-2018
7528495	T-FC25D-K				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	10-Oct-2018
243346	T-FC25D-M				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	10-Oct-2018
7528496	T-FC25D-Y				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	10-Oct-2018
14314	T-FC28D-C				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	29-Nov-2018

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
240513	T-FC55D-C				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	01-Oct-2018
240512	T-FC55D-K BLACK TONER				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	01-Oct-2018
240511	T-FC55D-M				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	01-Oct-2018
240510	T-FC55D-Y				TOSHIBA AUSTRALIA (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	01-Oct-2018
11654	T/DBIL CALIBRATOR				SIEMENS HEALTHCARE PTY LTD (13 11 26/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	21-Jul-2021
70000920	TASKI CREAM R7 (500 ML)				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	No	-	-	-	Approved	Yes	-	14-Apr-2020
2058	TASKI DIVERFLOOR				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1824	PG II	2R	Approved	Yes	Available	25-Jan-2019
2415	TASKI ROOM CARE R1-PLUS				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8 / 3	UN 3265	PG III	2X	Approved	Yes	Available	22-Aug-2019
14068	TASKI ROOM CARE R3-PLUS				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	02-Jul-2019
2022	TASKI ROOM CARE R5				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	27-Feb-2019
1532	TASKI VIEW QUICK				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	No	No	-	-	-	Approved	Yes	Available	12-Feb-2019
7524957	TDS-2				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 3	UN 1170	PG III	•2Y	Approved	Yes	Available	23-Oct-2018
2475	THINPREP CYTOLYT SOLUTION				HOLOGIC AUSTRALIA PTY.LTD ((02) 9888 8000)				
	Yes	DG 3 / 6.1	UN 1992	PG III	•3W	Approved	Yes	Available	21-Jan-2020
175	THINPREP PRESERVCYT SOLUTION				HOLOGIC AUSTRALIA PTY.LTD ((02) 9888 8000)				
	Yes	DG 3 / 6.1	UN 1992	PG III	•3W	Approved	Yes	Available	21-Jan-2020
9311	THIOMERSAL GPR RECTAPUR (UK)				VWR INTERNATIONAL LTD (UK) (+44 (0) 1270 502894)				
	Yes	DG 6.1	UN 2025	PG III	2X	Approved	Yes	Available	PRODUCT OBSOLETE

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
14919	THIOTEPA INJECTION 15 MG				ASPEN PHARMACARE AUSTRALIA PTY LTD (+61 2 8436 8300/ 13 11 26)				
	Yes	DG 6.1	UN 3249	PG II	2Y	Approved	Yes	Available	PRODUCT OBSOLETE
7524827	TIMBER SEALER				HUECOAT PAINT CO (1800 033 111)				
	No	No	-	-	-	Approved	Yes	Available	**14-Mar-2017**
70004309	TITAN DISHWASHING LIQUID				JASOL AUSTRALIA (1800 629 953/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	-	10-Jun-2022
242007	TITAN TOBACCO NEUTRALISER				JASOL AUSTRALIA (1800 629 953/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	16-May-2018
9303	TK-ACETIC ACID 75% (TEST KIT)				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 2790	PG II	2R	Approved	Yes	Available	**02-Feb-2018**
2063	TOPAZ - PRODUCT CODE				TRUE BLUE CHEMICALS (13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	20-Apr-2021
7282	TOTAL HARDNESS INDICATOR TABLETS TH1				WATERTEST SYSTEMS PTY LTD ((02) 8706 5400)				
	No	No	-	-	-	Approved	Yes	Available	22-Mar-2021
7823	TRANSEPTIC CLEANSING SOLUTION				PARKER LABORATORIES, INC. (+1 973 276 9500)				
	Yes	DG 3	UN 1219	PG II	3YE	Approved	Yes	Available	01-Jun-2020
7249	TRASAR 20222				NALCO WATER, AN ECOLAB COMPANY (AUST: 1800 205 506; NZ: 0800 734 607)				
	Yes	DG 8	UN 3264	PG III	2X	Approved	Yes	Available	PRODUCT OBSOLETE
70013188	TRASTUZUMAB EMTANSINE				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	None	Yes	-	24-Dec-2021
5186	TREFOLEX				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	No	No	-	-	-	Approved	Yes	Available	30-Jul-2020
6795	TRIM ENAMEL SEMI GLOSS - WHITE, TINT BASES AND MILLED COLOURS				HAYMES PAINT ((03) 5342 6200 (7:30 to 5:30 Mon to Fri))				
	Yes	DG 3	UN 1263	PG III	•3Y	Approved	Yes	Available	15-Nov-2021
11350	TUFFIE 5 DISINFECTANT WIPE				EBOS HEALTHCARE (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	05-Oct-2021
240528	TUFFIE DETERGENT WIPES				EBOS HEALTHCARE (13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	04-Oct-2021
70001407	TUFFIE DISINFECTANT WIPES				EBOS HEALTHCARE (13 11 26)				
	Yes	DG 4.1	UN 3175	PG II	1Z	Approved	Yes	Available	12-Jul-2018

Stock Register

(Location Name: All Locations)
(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
11657	TURBO SOLV				ECOLAB PTY LTD (1800 205 506, +64 7 958 2372)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	16-Sep-2020
2113	ULTRA/PHONIC FREE CONDUCTIVITY GEL				IMAGING SOLUTIONS PTY LTD (+61 4 1155 7177)				
	No	No	-	-	-	Approved	Yes	Available	**14-Aug-2015**
4661	UNGVITA OINTMENT				INOVA PHARMACEUTICALS (AUSTRALIA) PTY LIMITED (13 11 26)				
	Yes	DG 9	UN 3082	PG III	•3Z	Approved	Yes	Available	12-Oct-2021
2280	UNLEADED PETROL				AMPOL AUSTRALIA PETROLEUM PTY LTD (FORMERLY CALTEX AUSTRALIA) (1800 033 111)				
	Yes	DG 3	UN 1203	PG II	3YE	Approved	Yes	Available	26-Mar-2019
3237	VANISH NAPISAN PLUS POWDER				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	No	-	-	-	Approved	Yes	Available	15-Feb-2019
1837	VANISH PREEN ORIGINAL AEROSOL				RB (HYGIENE HOME) AUSTRALIA PTY LTD (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	19-Oct-2020
4499	VASELINE PETROLEUM JELLY				UNILEVER AUSTRALASIA (NORTH ROCKS) (1 800 227 200 (Australia); 0 800 108 806 (NZ)/ 131 126)				
	No	No	-	-	-	Approved	Yes	Available	11-May-2022
37707708	VEDOLIZUMAB				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	No	No	-	-	-	Approved	Yes	-	PRODUCT OBSOLETE
12520	VENTOLIN NEBULES INHALATION SOLUTION, 0.083%				GLAXOSMITHKLINE AUSTRALIA PHARMACEUTICALS AND VACCINES ((02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	Available	20-Jul-2022
241558	VERO ANTI-BAC				DOMINANT (AUSTRALIA) PTY LTD (13 11 26/ 1300 789 852)				
	Yes	No	-	-	-	Approved	Yes	Available	27-Oct-2021
14920	VINBLASTINE SULFATE INJECTION (HOSPIRA, INC.)				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	07-Apr-2021
6571	VINCIZINA; VINCRISTINA; VINCRISTINE INJECTION				PFIZER AUSTRALIA (13 11 26 (Poisons Information Centre)/ 1703 527 3887)				
	Yes	No	-	-	-	Approved	Yes	Available	**13-Sep-2016**
37710755	VINCRISTINE SULFATE INJECTION				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	19-Mar-2019
13999	VINCRISTINE SULFATE SALT (V8879)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	DG 6.1	UN 2811	PG II	2X	Approved	Yes	Available	17-Feb-2022
7523567	VINORELBINE				BAXTER HEALTHCARE PTY LTD (1800 229 837; 13 11 26)				
	Yes	DG 6.1	UN 1544	PG I	2X	Approved	Yes	Available	04-Aug-2022

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
13005	VINORELBINE DITARTRATE SALT HYDRATE (V2264)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	03-Oct-2022
4621	VINORELBINE TARTRATE INJECTION				HOSPIRA AUSTRALIA PTY LTD ((02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	**06-Dec-2016**
241209	VIRACLEAN				WHITELEY MEDICAL - A DIVISION OF WHITELEY CORPORATION PTY LTD ((02) 9929 9155)				
	No	No	-	-	-	Approved	Yes	Available	17-Apr-2020
1857	VIREX II J-FLEX				DIVERSEY AUSTRALIA PTY. LIMITED (1800 033 111 (24 hrs))				
	Yes	DG 8	UN 1903	PG III	2X	Approved	Yes	Available	18-Nov-2018
240046	Viscostat				ULTRADENT AUSTRALIA PTY LTD. (1800 29 09 29)				
	Yes	DG 8	UN 3264	PG II	2X	Approved	Yes	Available	19-Feb-2019
1471	VISTA DAILY WHITEBOARD CLEANER				VISTA VISUALS AUSTRALIA (+61 (8) 9355 8200)				
	No	No	-	-	-	Approved	Yes	Available	01-Jan-2022
1843	VIVA ENERGY DIESEL				VIVA ENERGY AUSTRALIA LTD (1800 651 818/ 13 11 26)				
	Yes	No	-	-	-	Restricted	Yes	Available	22-Sep-2022
10468	VIVA ENERGY UNLEADED PETROL				VIVA ENERGY AUSTRALIA LTD (1800 651 818/ 13 11 26)				
	Yes	DG 3	UN 1203	PG II	3YE	Approved	Yes	Available	08-Jun-2021
9969	W & H SERVICE OIL F1 MD 500				KLUBER LUBRICATION AUSTRALIA PTY LTD ((02) 8014 4558 (24hrs))				
	No	No	-	-	-	Approved	Yes	Available	**08-Jul-2016**
1225	W&H CLEANING SOLUTION MC-1000				A-DEC AUSTRALIA (1 352 323 3500 (Infotrac international))				
	Yes	DG 3	UN 1987	PG III	•3Y	Approved	Yes	Available	PRODUCT OBSOLETE
1756	WASHROOM CLEANER/SANITISER				CLEAN PLUS CHEMICALS PTY LTD (1800 201 700)				
	Yes	No	-	-	-	Approved	Yes	Available	21-Jan-2021
9316	WATER (95289)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	No	No	-	-	-	Approved	Yes	-	13-Dec-2021
2293	WATTYL ESTAPOL INTERIOR POLYURETHANE GLOSS CLEAR (PRE 2020)				VALSPAR PAINT (AUSTRALIA) PTY LTD ((02) 9037 2994)				
	Yes	DG 3	UN 1263	PG III	•3Y	Approved	Yes	Available	PRODUCT OBSOLETE
243392	WATTYL KILLRUST ETCH PRIMER AEROSOL GREY NEW				VALSPAR PAINT (AUSTRALIA) PTY LTD ((02) 9037 2994)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	16-Oct-2020
9328	WATTYL METHYLATED SPIRITS				VALSPAR (A PART OF SHERWIN-WILLIAMS) (1800 951 288/ (02) 9186 1132)				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	01-Nov-2019

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
9785	WATTYL TIMBER PUTTY				VALSPAR (A PART OF SHERWIN-WILLIAMS) (1800 951 288/ (02) 9186 1132)				
	Yes	No	-	-	-	Approved	Yes	Available	01-Nov-2019
14290	WD - 40 AEROSOL				WD-40 COMPANY (AUST) PTY LTD (1800 862 115)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	03-Aug-2021
240888	WD-40 SPECIALIST HIGH PERFORMANCE SILICONE LUBRICANT				WD-40 COMPANY (AUST) PTY LTD (1800 862 115)				
	Yes	DG 2.1	UN 1950	-	2YE	Approved	Yes	Available	20-Aug-2020
2540	WEEDMASTER DUO DUAL SALT TECHNOLOGY HERBICIDE				NUFARM AUSTRALIA LIMITED (1800 033 498)				
	No	No	-	-	-	Approved	Yes	Available	31-May-2019
1721	WHITE KING PREMIUM BLEACH				PENTAL PRODUCTS PTY LTD ((03) 5820 5200/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	16-Jun-2020
3875	WHITE LITHIUM GREASE (AEROSOL)				CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))				
	Yes	DG 2.1	UN 1950	-	2Y	Approved	Yes	Available	30-Jul-2020
5929	WHITE SPIRIT				RECOCHEM INC ((07) 3308 5200; 1300 131 001 (After hours)/ 0800 764 766)				
	Yes	DG 3	UN 1300	PG III	3Y	Approved	Yes	Available	28-Feb-2022
2737	WINDEX STREAK-FREE SHINE! ORIGINAL (LIQUID)				S.C. JOHNSON & SON PTY. LTD. (AU) (13 11 26 (Poisons Information Centre)/ (02) 9428 9111)				
	No	No	-	-	-	Approved	Yes	Available	10-Jan-2023
1592	WINDEX SURFACE & GLASS - FLORAL				S.C. JOHNSON & SON PTY. LTD. (AU) (13 11 26 (Poisons Information Centre)/ (02) 9428 9111)				
	No	No	-	-	-	Approved	Yes	Available	15-Oct-2019
1875	WRIGHT'S STAIN IMPROVED				THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD ((03) 9757 4559/ (02) 8014 4558)				
	Yes	DG 3 / 6.1	UN 1230	PG II	•2WE	Approved	Yes	Available	**01-Jan-2018**
11823	WTN OVEN CLEANING				MOFFAT PTY LTD (03 9518 3888/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	23-Oct-2020
11681	XYLOCAINE OINTMENT				ASPEN PHARMACARE AUSTRALIA PTY LTD (+61 2 8436 8300/ 13 11 26)				
	Yes	No	-	-	-	Approved	Yes	Available	30-Nov-2020
1084	XYLOCAINE VISCOUS 2% ORAL LIQUID				ASPEN PHARMACARE AUSTRALIA PTY LTD (+61 2 8436 8300/ 13 11 26)				
	No	No	-	-	-	Approved	Yes	Available	18-Nov-2021
5084	YATES PYRETHRUM INSECTICIDE				YATES AUSTRALIA, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111 (ALL HOURS))				
	Yes	No	-	-	-	Approved	Yes	Available	04-Mar-2020
6722	YATES THRIVE GRANULAR ALL PURPOSE				YATES AUSTRALIA, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111 (ALL HOURS))				
	No	No	-	-	-	Approved	Yes	Available	PRODUCT OBSOLETE

ChemAlert.

Stock Register

(Location Name: All Locations)

(Sort By: Product Name, Filter By: None)

Stock Number	Product Name				Supplier (Emergency Contact)				
	Hazardous	Dangerous Good	UN number	Packing Group	Hazchem Code	Status	In Stock Inventory	Risk Assessment	SDS Date
177	YATES TRIFORINE FUNGICIDE				YATES AUSTRALIA, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111 (ALL HOURS))				
	Yes	DG 3	UN 1170	PG II	•2YE	Approved	Yes	Available	PRODUCT OBSOLETE
6715	YATES WHITE OIL INSECTICIDE (CONCENTRATE)				YATES AUSTRALIA, A DIVISION OF DULUXGROUP (AUSTRALIA) PTY LTD (1800 033 111 (ALL HOURS))				
	No	No	-	-	-	Approved	Yes	Available	14-Nov-2022
7524780	YERVOY (IPILIMUMAB) INJECTION, FOR INTRAVENOUS INFUSION				BRISTOL-MYERS SQUIBB AUSTRALIA PTY LTD (+61 (0) 290372994)				
	Yes	No	-	-	-	Approved	Yes	Available	14-May-2021
502795	ZOFF UNIVERSAL ADHESIVE REMOVER				SMITH & NEPHEW PTY LTD ((02) 9857 3999)				
	Yes	DG 3	UN 1993	PG III	•3Y	Approved	Yes	Available	28-Feb-2022
239901	ZOLEDRONIC ACID MONOHYDRATE (SML0223)				SIGMA-ALDRICH PTY. LTD. (1800 448 465/ (02) 9037 2994)				
	Yes	No	-	-	-	Approved	Yes	Available	26-Sep-2019
240537	ZYDOX (STABILISED CHLORINE DIOXIDE 4% PRECURSOR)				ZYCHEM TECHNOLOGIES PTY LTD (0412 762 453)				
	Yes	DG 8	UN 1908	PG III	2X	Approved	Yes	Available	01-Nov-2021

Appendix I Borelogs

SOIL BOREHOLE KW-B1

PROJECT NUMBER 63879
PROJECT NAME Broken Hill Hospital Redevelopment
CLIENT Health Infrastructure
ADDRESS 176 Thomas Street, Broken Hill, NSW

DRILLING COMPANY GTE
DRILLING DATE 03-Feb-23
DRILL RIG Excavator
DRILLING METHOD Test Pit

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_54
COORD SOURCE
LOGGED BY AJ

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA		0.1 0.2 0.3 0.4 0.5		Fill	Fill - Gravelly SAND, brown dry, well graded, medium sand inclusions of cobbles, red brick, glass, plastic, wood (<10%), refusal on rock at 0.5 m	DR	KW-B1_0.00-0.10 KW-B1_0.20-0.30 KW-B1_0.40-0.50		No odour, staining or ACM. DUP/SPLIT05 collected from 0.0-0.5 mbgs.
		0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2 2.1 2.2 2.3 2.4 2.5			Termination Depth at: 0.50 m.				End of Hole @ 0.5 mbgs. Refusal on rock, presumed natural.

SOIL BOREHOLE KW-B2

PROJECT NUMBER 63879
PROJECT NAME Broken Hill Hospital Redevelopment
CLIENT Health Infrastructure
ADDRESS 176 Thomas Street, Broken Hill, NSW

DRILLING COMPANY GTE
DRILLING DATE 03-Feb-23
DRILL RIG Excavator
DRILLING METHOD Test Pit

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_54
COORD SOURCE
LOGGED BY AJ

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
BE		0.1		Fill	Fill - ROADBASE, grey dry, medium gravel	DR	KW-B2_0.00-0.10		No odour, staining or ACM. 10L AQ completed from 0.0-0.1 mbgs
		0.2		Fill	Fill - Gravelly SAND, brown dry, well graded, medium sand inclusions of cobbles (<10%)	DR	KW-B2_0.10-0.30		No odour, staining or ACM. 20L AQ completed from 0.1-0.3 mbgs
		0.3		SG	Natural - Gravelly SAND, red/yellow/brown dry, well graded, medium sand inclusions cobbles (<10%), refusal on rock at 0.4 m	DR	KW-B2_0.30-0.40		No odour, staining or ACM
		0.4			Termination Depth at: 0.40 m.				End of Hole @ 0.4 mbgs. Refusal on rock, presumed natural.
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							
		2							
		2.1							
		2.2							
		2.3							
		2.4							
		2.5							

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produced by ESlog.ESdat.net on 10 Feb 2023

SOIL BOREHOLE KW-B3

PROJECT NUMBER 63879
PROJECT NAME Broken Hill Hospital Redevelopment
CLIENT Health Infrastructure
ADDRESS 176 Thomas Street, Broken Hill, NSW

DRILLING COMPANY GTE
DRILLING DATE 03-Feb-23
DRILL RIG Excavator
DRILLING METHOD Test Pit

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_54
COORD SOURCE
LOGGED BY AJ

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
BE		0.1		Fill	Fill - ROADBASE, grey dry, medium gravel	DR	KW-B3_0.00-0.10		No odour, staining or ACM
		0.2		Fill	Fill - SAND, red/brown damp, well graded, medium sand inclusions of ceramic pipe, concrete pieces, red brick fragments, tile, plastic, glass, slag and charcoal	DP	KW-B3_0.10-0.20		No odour or staining. 2x 20L AQ completed from 0.0-0.4 mbgs 1 pc PACM found.
		0.3					KW-B3_0.25-0.30		
		0.4					KW-B3_0.30-0.40		
		0.5		SG	Natural - Gravelly SAND, yellow/brown dry, well graded, medium sand inclusions of cobbles and fine gravels (<10%)	DR	KW-B3_0.40-0.50		No odour, staining or ACM
		0.6			Termination Depth at: 0.50 m.				End of Hole @ 0.5 mbgs. Refusal on rock, presumed natural.
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							
		2							
		2.1							
		2.2							
		2.3							
		2.4							
		2.5							

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SOIL BOREHOLE KW-B4

PROJECT NUMBER 63879
PROJECT NAME Broken Hill Hospital Redevelopment
CLIENT Health Infrastructure
ADDRESS 176 Thomas Street, Broken Hill, NSW

DRILLING COMPANY GTE
DRILLING DATE 03-Feb-23
DRILL RIG Excavator
DRILLING METHOD Test Pit

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_54
COORD SOURCE
LOGGED BY AJ

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
BE		0.1		Fill	Fill - ROADBASE, grey dry, medium gravel	DR	KW-B4_0.00-0.10		No odour, staining or ACM
		0.2		Fill	Fill - SAND, red/brown dry, well graded, medium sand inclusions of clay fines (<10%) and trace tile, red brick and cobbles (<5%)	DR	KW-B4_0.10-0.30		No odour, staining or ACM. DUP/SPLIT04 collected from 0.1-0.3 mbgs.
		0.3		SW	Natural - SAND, red/brown dry, well graded, medium sand inclusions of clay fines (<10%)	DR	KW-B4_0.30-0.40		No odour, staining or ACM
		0.4							
		0.5		SG	Natural - SAND dry, well graded, medium sand inclusions of cobbles (<10%), refusal on rock at 0.7 m	DR	KW-B4_0.50-0.70		No odour, staining or ACM
		0.6							
		0.7			Termination Depth at: 0.70 m.				End of Hole @ 0.7 mbgs at programmed depth.
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							
		2							
		2.1							
		2.2							
		2.3							
		2.4							
		2.5							

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SOIL BOREHOLE KW-B5

PROJECT NUMBER 63879
PROJECT NAME Broken Hill Hospital Redevelopment
CLIENT Health Infrastructure
ADDRESS 176 Thomas Street, Broken Hill, NSW

DRILLING COMPANY GTE
DRILLING DATE 03-Feb-23
DRILL RIG Excavator
DRILLING METHOD SFA

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_54
COORD SOURCE
LOGGED BY AJ

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA		0.1		Fill	Fill - SAND, red/brown damp, well graded, fine sand grass surface (0.0 - 0.1 m)	DP	KW-B5_0.10-0.20		No odour, staining or ACM. AQ completed from 0.1-0.4 mbgs
		0.4		Fill	Fill - Gravelly SAND, red/yellow/brown damp, well graded, fine sand inclusions of cobbles and coarse sand (<10%)	DP	KW-B5_0.40-0.50 KW-B5_0.90-1.00		No odour, staining or ACM. AQ completed from 0.4-1.0 mbgs
		1			Termination Depth at: 1.00 m.				End of Hole @ 1.0 mbgs. Refusal on rock, presumed natural.
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							
		2							
		2.1							
		2.2							
		2.3							
		2.4							
		2.5							

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SOIL BOREHOLE KW-B6

PROJECT NUMBER 63879
PROJECT NAME Broken Hill Hospital Redevelopment
CLIENT Health Infrastructure
ADDRESS 176 Thomas Street, Broken Hill, NSW

DRILLING COMPANY GTE
DRILLING DATE 03-Feb-23
DRILL RIG Excavator
DRILLING METHOD Test Pit

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_54
COORD SOURCE
LOGGED BY AJ

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA		0.1 0.2 0.3 0.4 0.5 0.6		Fill	Fill - Gravelly SAND, brown dry, well graded, medium sand inclusions of cobbles, red brick, glass, plastic, wood (<10%), refusal on rock at 0.6 m	DR	KW-B6_0.00-0.10 KW-B6_0.20-0.30 KW-B6_0.50-0.60		No odour, staining or ACM
		0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2 2.1 2.2 2.3 2.4 2.5			Termination Depth at: 0.60 m.				End of Hole @ 0.6 mbgs. Refusal on rock, presumed natural.

SOIL BOREHOLE KW-B7

PROJECT NUMBER 63879
PROJECT NAME Broken Hill Hospital Redevelopment
CLIENT Health Infrastructure
ADDRESS 176 Thomas Street, Broken Hill, NSW

DRILLING COMPANY GTE
DRILLING DATE 03-Feb-23
DRILL RIG Excavator
DRILLING METHOD Test Pit

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_54
COORD SOURCE
LOGGED BY AJ

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
BE		0.1 0.2 0.3 0.4 0.5 0.6		Fill	Fill - Gravelly SAND, brown dry, well graded, medium sand inclusions of cobbles, red brick, glass, plastic, wood (<10%), refusal on rock at 0.6 m	DR	KW-B7_0.00-0.10 KW-B7_0.20-0.30 KW-B7_0.50-0.60		No odour or staining. 20L AQ completed. 10 pcs PACM found.
		0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2 2.1 2.2 2.3 2.4 2.5			Termination Depth at: 0.60 m.				End of Hole @ 0.6 mbgs. Refusal on rock, presumed natural.

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SOIL BOREHOLE KW-B8

PROJECT NUMBER 63879
PROJECT NAME Broken Hill Hospital Redevelopment
CLIENT Health Infrastructure
ADDRESS 176 Thomas Street, Broken Hill, NSW

DRILLING COMPANY GTE
DRILLING DATE 03-Feb-23
DRILL RIG Excavator
DRILLING METHOD Test Pit

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_54
COORD SOURCE
LOGGED BY AJ

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
BE		0.1 0.2 0.3 0.4		Fill	Fill - SAND, brown damp, well graded, medium sand inclusions of medium gravel, clay fines, red brick fragments, glass, ceramic tile and pipe (<10%), refusal on rock at 0.4 m	DP	KW-B8_0.00-0.10 KW-B8_0.20-0.40		No odour, staining or ACM. DUP/SPLIT06 collected from 0.2-0.4 mbgs.
		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2 2.1 2.2 2.3 2.4 2.5			Termination Depth at: 0.40 m.				End of Hole @ 0.4 mbgs. Refusal on rock, presumed natural.

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produced by ESlog.ESdat.net on 10 Feb 2023

Appendix J Decontamination and Calibration Records

CALIBRATION RECORD

Project Number	63879	Site/Client	HI		
Equipment ID	WQM	TPS 90FLT T504541 ☐	YSI-1 17B100728 ☐	YSI-2 17C102196 ☐	Hire ☐
	PID	Tiger T-109753 ☐	MiniRae 2000 110-011979 ☑	Hire ☐	

Water Quality Meter

	Calibration standard	Pre-calibration value	Calibrated value	Calibration standard	Pre-calibration value	Calibrated value
Temperature (°C)	Compare against mercury thermometer					
Dissolved Oxygen (%)	100% saturation			Zero (0%)		
pH	pH 7.00			pH 4.00		
Conductivity (EC - mS/cm)	2.76 mS/cm			12.88 mS/cm		
Redox (ORP - mV)	229mV Zobell's sol^{n}			Temp for Zobell value		

Electrodes cleaned gently with dishwashing detergent on cotton tip ☐

Battery check (TPS min 7.2V, YSI >50%) ☐ Spare batteries in YSI case (2x "C" size) ☐

Photoionisation Detector

Calibration standard	Pre-calibration value	Calibrated value	Calibration standard	Pre-calibration value	Calibrated value
Zero in air	0.0	0.0	100ppm Isobutylene	89.5	97.9

Lot/Cyl number: 295571 / 1365041

Battery check ☐

Expiry: 4/24

Action required

CHECKED BY: A James DATE: 2/2/23

SIGNED:

Acceptable Meter Tolerance (calibration not required)

pH	*± 0.1 pH unit*
Conductivity	*±2%*
Redox (ORP)	*±10%*
Temperature	*± 0.5°C*
Dissolved Oxygen Zero	*±0.1ppm*
Dissolved Oxygen Saturation	±0.5%

* Calibration solution traceability information is available upon request.

Temperature, C	Zobell Solution Value, mV vs. Ag/AgCl (4 M KCl)
-5	267.0
0	260.5
5	254.0
10	247.5
15	241.0
20	234.5
25	228.0
30	221.5
35	215.0
40	208.5
45	202.0
50	195.5

Appendix K Laboratory Reports

Envirolab Services Pty Ltd
ABN 37 112 535 645 - 002
25 Research Drive Croydon South VIC 3136
ph 03 9763 2500 fax 03 9763 2633
melbourne@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 35779

Client Details

Client	JBS & G Australia Pty Ltd
Attention	Mitchell Hodgins
Address	1/50 Margaret St, Sydney, NSW, 2000

Sample Details

Your Reference	**63879 BHHR**
Number of Samples	8 Soil, 1 Water
Date samples received	10/02/2023
Date completed instructions received	10/02/2023

Analysis Details

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

Samples were analysed as received from the client. Results relate specifically to the samples as received.

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

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	17/02/2023
Date of Issue	17/02/2023

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By
Analysed by Asbestos Approved Analyst: Stuart Chen
Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By
Azrin Akram, Senior Chemist
Chris De Luca, Assistant Lab Manager
Tara White, Metals Team Leader
Tianna Milburn, Chemist

Authorised By

Pamela Adams, Laboratory Manager

VOCs in soil		
Our Reference		35779-6
Your Reference	UNITS	SPLIT06
Date Sampled		02/02/2023
Type of sample		Soil
Date extracted	-	14/02/2023
Date analysed	-	14/02/2023
Dichlorodifluoromethane	mg/kg	<1
Chloromethane	mg/kg	<1
Vinyl Chloride	mg/kg	<1
Bromomethane	mg/kg	<1
Chloroethane	mg/kg	<1
Trichlorofluoromethane	mg/kg	<1
1,1-Dichloroethene	mg/kg	<0.5
trans-1,2-dichloroethene	mg/kg	<0.5
1,1-dichloroethane	mg/kg	<0.5
cis-1,2-dichloroethene	mg/kg	<0.5
bromochloromethane	mg/kg	<0.5
chloroform	mg/kg	<0.5
2,2-dichloropropane	mg/kg	<0.5
1,2-dichloroethane	mg/kg	<0.5
1,1,1-trichloroethane	mg/kg	<0.5
1,1-dichloropropene	mg/kg	<0.5
Cyclohexane	mg/kg	<1
carbon tetrachloride	mg/kg	<0.5
Benzene	mg/kg	<0.2
dibromomethane	mg/kg	<0.5
1,2-dichloropropane	mg/kg	<0.5
trichloroethene	mg/kg	<0.5
bromodichloromethane	mg/kg	<0.5
trans-1,3-dichloropropene	mg/kg	<0.5
cis-1,3-dichloropropene	mg/kg	<0.5
1,1,2-trichloroethane	mg/kg	<0.5
Toluene	mg/kg	<0.5
1,3-dichloropropane	mg/kg	<0.5
dibromochloromethane	mg/kg	<0.5
1,2-dibromoethane	mg/kg	<0.5
Tetrachloroethene	mg/kg	<0.5
1,1,1,2-tetrachloroethane	mg/kg	<0.5
chlorobenzene	mg/kg	<0.5
Ethylbenzene	mg/kg	<0.5

VOCs in soil		
Our Reference		35779-6
Your Reference	UNITS	SPLIT06
Date Sampled		02/02/2023
Type of sample		Soil
bromoform	mg/kg	<0.5
m+p-xylene	mg/kg	<1
styrene	mg/kg	<0.5
1,1,2,2-tetrachloroethane	mg/kg	<0.5
o-Xylene	mg/kg	<0.5
1,2,3-trichloropropane	mg/kg	<0.5
isopropylbenzene	mg/kg	<0.5
bromobenzene	mg/kg	<0.5
n-propyl benzene	mg/kg	<0.5
2-chlorotoluene	mg/kg	<0.5
4-chlorotoluene	mg/kg	<0.5
1,3,5-trimethyl benzene	mg/kg	<0.5
tert-butyl benzene	mg/kg	<0.5
1,2,4-trimethyl benzene	mg/kg	<0.5
1,3-dichlorobenzene	mg/kg	<0.5
sec-butyl benzene	mg/kg	<0.5
1,4-dichlorobenzene	mg/kg	<0.5
4-isopropyl toluene	mg/kg	<0.5
1,2-dichlorobenzene	mg/kg	<0.5
n-butyl benzene	mg/kg	<0.5
1,2-dibromo-3-chloropropane	mg/kg	<0.5
1,2,4-trichlorobenzene	mg/kg	<0.5
hexachlorobutadiene	mg/kg	<0.5
1,2,3-trichlorobenzene	mg/kg	<0.5
Surrogate Dibromofluoromethane	%	101
Surrogate aaa-Trifluorotoluene	%	101
Surrogate Toluene-d_8	%	101
Surrogate 4-Bromofluorobenzene	%	102

vTRH(C6-C10)/BTEXN in Soil					
Our Reference	UNITS	35779-1	35779-3	35779-4	35779-6
Your Reference		SPLIT01	SPLIT03	SPLIT04	SPLIT06
Date Sampled		02/02/2023	03/02/2023	02/02/2023	02/02/2023
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Date analysed	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023
vTRH C_6 - C_9	mg/kg	<25	<25	<25	<25
vTRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25
TRH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1
Total BTEX	mg/kg	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	102	103	102	100

TRH Soil C10-C40 NEPM					
Our Reference	UNITS	35779-1	35779-3	35779-4	35779-6
Your Reference		SPLIT01	SPLIT03	SPLIT04	SPLIT06
Date Sampled		02/02/2023	03/02/2023	02/02/2023	02/02/2023
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Date analysed	-	15/02/2023	15/02/2023	15/02/2023	15/02/2023
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50
Surrogate o-Terphenyl	%	83	81	81	82

PAHs in Soil						
Our Reference		35779-1	35779-2	35779-3	35779-4	35779-6
Your Reference	UNITS	SPLIT01	SPLIT02	SPLIT03	SPLIT04	SPLIT06
Date Sampled		02/02/2023	02/02/2023	03/02/2023	02/02/2023	02/02/2023
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Date analysed	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	0.1	0.8
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	0.3	1.3
Pyrene	mg/kg	<0.1	<0.1	<0.1	0.3	1.2
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	0.5
Chrysene	mg/kg	<0.1	<0.1	<0.1	0.1	0.5
Benzo(b,j&k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	0.2	0.8
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	0.15	0.58
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.3
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.4
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	1.3	6.6
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	0.8
Benzo(a)pyrene TEQ calc (Half)	mg/kg	<0.5	<0.5	<0.5	<0.5	0.8
Benzo(a)pyrene TEQ calc (PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	0.9
Surrogate p-Terphenyl-d_{14}	%	78	76	78	74	78

OCP in Soil					
Our Reference		35779-1	35779-3	35779-4	35779-6
Your Reference	UNITS	SPLIT01	SPLIT03	SPLIT04	SPLIT06
Date Sampled		02/02/2023	03/02/2023	02/02/2023	02/02/2023
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Date analysed	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	mg/kg	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1
Total +ve reported Aldrin + Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1
Total +ve reported DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	0.1
Surrogate 2-chlorophenol-d4	%	80	78	74	78

PCBs in Soil					
Our Reference		35779-1	35779-3	35779-4	35779-6
Your Reference	UNITS	SPLIT01	SPLIT03	SPLIT04	SPLIT06
Date Sampled		02/02/2023	03/02/2023	02/02/2023	02/02/2023
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Date analysed	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1
Surrogate 2-fluorobiphenyl	%	66	64	60	64

Acid Extractable metals in soil						
Our Reference	UNITS	35779-1	35779-2	35779-3	35779-4	35779-6
Your Reference		SPLIT01	SPLIT02	SPLIT03	SPLIT04	SPLIT06
Date Sampled		02/02/2023	02/02/2023	03/02/2023	02/02/2023	02/02/2023
Type of sample		Soil	Soil	Soil	Soil	Soil
Date digested	-	15/02/2023	15/02/2023	15/02/2023	15/02/2023	15/02/2023
Date analysed	-	15/02/2023	15/02/2023	15/02/2023	15/02/2023	15/02/2023
Arsenic	mg/kg	4	<4	<4	<4	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	1	0.5
Chromium	mg/kg	22	12	38	15	16
Copper	mg/kg	9	37	7	14	28
Lead	mg/kg	9	10	10	190	300
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Nickel	mg/kg	12	6	19	9	9
Zinc	mg/kg	35	15	32	260	280

Moisture						
Our Reference		35779-1	35779-2	35779-3	35779-4	35779-6
Your Reference	UNITS	SPLIT01	SPLIT02	SPLIT03	SPLIT04	SPLIT06
Date Sampled		02/02/2023	02/02/2023	03/02/2023	02/02/2023	02/02/2023
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/02/2023	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Date analysed	-	15/02/2023	15/02/2023	15/02/2023	15/02/2023	15/02/2023
Moisture	%	5.9	9.7	8.2	6.0	11

Asbestos ID - soils NEPM*			
Our Reference		35779-5	35779-8
Your Reference	UNITS	SPLIT05	SPLIT08
Date Sampled		02/02/2023	04/02/2023
Type of sample		Soil	Soil
Date analysed	-	14/02/2023	14/02/2023
Sample mass tested	g	722.02	859.35
Sample Description	-	Brown coarse-grained soil and rocks	Grey coarse-grained soil and rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic Fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic Fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	Chrysotile asbestos detected	No visible asbestos detected
ACM>7mm Estimation*	g	--	--
FA and AF Estimation*	g	0.0025	--
ACM>7mm Estimation*	% (w/w)	<0.01	<0.01
FA and AF Estimation*[#2]	% (w/w)	<0.001	<0.001

VOCs in water - Routine Level		
Our Reference		35779-9
Your Reference	UNITS	SPLIT01
Date Sampled		05/02/2023
Type of sample		Water
Date extracted	-	11/02/2023
Date analysed	-	11/02/2023
Dichlorodifluoromethane	µg/L	<100
Chloromethane	µg/L	<100
Vinyl Chloride	µg/L	<100
Bromomethane	µg/L	<100
Chloroethane	µg/L	<100
Trichlorofluoromethane	µg/L	<100
1,1-Dichloroethene	µg/L	<10
Trans-1,2-dichloroethene	µg/L	<10
1,1-dichloroethane	µg/L	<10
Cis-1,2-dichloroethene	µg/L	<10
Bromochloromethane	µg/L	<10
Chloroform	µg/L	<10
2,2-dichloropropane	µg/L	<10
1,2-dichloroethane	µg/L	<10
1,1,1-trichloroethane	µg/L	<10
1,1-dichloropropene	µg/L	<10
Cyclohexane	µg/L	<10
Carbon tetrachloride	µg/L	<10
Benzene	µg/L	<10
Dibromomethane	µg/L	<10
1,2-dichloropropane	µg/L	<10
Trichloroethene	µg/L	<10
Bromodichloromethane	µg/L	<10
trans-1,3-dichloropropene	µg/L	<10
cis-1,3-dichloropropene	µg/L	<10
1,1,2-trichloroethane	µg/L	<10
Toluene	µg/L	150
1,3-dichloropropane	µg/L	<10
Dibromochloromethane	µg/L	<10
1,2-dibromoethane	µg/L	<10
Tetrachloroethene	µg/L	<10
1,1,1,2-tetrachloroethane	µg/L	<10
Chlorobenzene	µg/L	36
Ethylbenzene	µg/L	<10

VOCs in water - Routine Level		
Our Reference		35779-9
Your Reference	UNITS	SPLIT01
Date Sampled		05/02/2023
Type of sample		Water
Bromoform	µg/L	<10
m+p-xylene	µg/L	<20
Styrene	µg/L	<10
1,1,2,2-tetrachloroethane	µg/L	<10
o-xylene	µg/L	<10
1,2,3-trichloropropane	µg/L	<10
Isopropylbenzene	µg/L	<10
Bromobenzene	µg/L	<10
n-propyl benzene	µg/L	<10
2-chlorotoluene	µg/L	<10
4-chlorotoluene	µg/L	<10
1,3,5-trimethyl benzene	µg/L	<10
Tert-butyl benzene	µg/L	<10
1,2,4-trimethyl benzene	µg/L	<10
1,3-dichlorobenzene	µg/L	13
Sec-butyl benzene	µg/L	<10
1,4-dichlorobenzene	µg/L	58
4-isopropyl toluene	µg/L	<10
1,2-dichlorobenzene	µg/L	260
n-butyl benzene	µg/L	<10
1,2-dibromo-3-chloropropane	µg/L	<10
1,2,4-trichlorobenzene	µg/L	<10
Hexachlorobutadiene	µg/L	<10
1,2,3-trichlorobenzene	µg/L	<10
Surrogate Dibromofluoromethane	%	111
Surrogate toluene-d8	%	99
Surrogate 4-BFB	%	104

vTRH(C6-C10)/BTEXN in Water		
Our Reference	UNITS	35779-9
Your Reference		SPLIT01
Date Sampled		05/02/2023
Type of sample		Water
Date extracted	-	11/02/2023
Date analysed	-	11/02/2023
TRH C_6 - C_9	µg/L	270
TRH C_6 - C_{10}	µg/L	290
TRH C_6 -C_{10} less BTEX (F1)	µg/L	150
Benzene	µg/L	<10
Toluene	µg/L	150
Ethylbenzene	µg/L	<10
m+p-xylene	µg/L	<20
o-xylene	µg/L	<10
Naphthalene	µg/L	<10
Total +ve Xylenes	µg/L	<10
Total BTEX in water	µg/L	150
Surrogate Dibromofluoromethane	%	112
Surrogate toluene-d8	%	102
Surrogate 4-BFB	%	107

TRH Water(C10-C40) NEPM		
Our Reference		35779-9
Your Reference	UNITS	SPLIT01
Date Sampled		05/02/2023
Type of sample		Water
Date extracted	-	13/02/2023
Date analysed	-	13/02/2023
TRH C_{10} - C_{14}	µg/L	200
TRH C_{15} - C_{28}	µg/L	<100
TRH C_{29} - C_{36}	µg/L	<100
Total +ve TRH (C10-C36)	µg/L	200
TRH >C_{10} - C_{16}	µg/L	190
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	190
TRH >C_{16} - C_{34}	µg/L	<100
TRH >C_{34} - C_{40}	µg/L	<100
Total +ve TRH (>C10-C40)	µg/L	190
Surrogate o-Terphenyl	%	84

PAHs in Water - Trace Level		
Our Reference		35779-9
Your Reference	UNITS	SPLIT01
Date Sampled		05/02/2023
Type of sample		Water
Date extracted	-	10/02/2023
Date analysed	-	15/02/2023
Naphthalene	µg/L	0.08
Acenaphthylene	µg/L	<0.01
Acenaphthene	µg/L	<0.01
Fluorene	µg/L	<0.01
Phenanthrene	µg/L	<0.01
Anthracene	µg/L	0.03
Fluoranthene	µg/L	<0.01
Pyrene	µg/L	0.01
Benzo(a)anthracene	µg/L	<0.01
Chrysene	µg/L	<0.01
Benzo(b,j&k)fluoranthene	µg/L	<0.02
Benzo(a)pyrene	µg/L	<0.01
Indeno(1,2,3-c,d)pyrene	µg/L	<0.01
Dibenzo(a,h)anthracene	µg/L	<0.01
Benzo(g,h,i)perylene	µg/L	<0.01
Total +ve PAH's	µg/L	0.12
Surrogate p-Terphenyl-d_{14}	%	91

HM in water - dissolved		
Our Reference		35779-9
Your Reference	UNITS	SPLIT01
Date Sampled		05/02/2023
Type of sample		Water
Date prepared	-	11/02/2023
Date analysed	-	11/02/2023
Arsenic-Dissolved	µg/L	<2
Cadmium-Dissolved	µg/L	<0.2
Chromium-Dissolved	µg/L	<2
Copper-Dissolved	µg/L	8
Lead-Dissolved	µg/L	<1
Nickel-Dissolved	µg/L	13
Zinc-Dissolved	µg/L	170
Mercury-Dissolved	µg/L	<0.05

PFAS in Waters Extended		
Our Reference		35779-9
Your Reference	UNITS	SPLIT01
Date Sampled		05/02/2023
Type of sample		Water
Date prepared	-	11/02/2023
Date analysed	-	11/02/2023
Perfluorobutanesulfonic acid	µg/L	0.01
Perfluoropentanesulfonic acid	µg/L	<0.01
Perfluorohexanesulfonic acid PFHxS	µg/L	0.02
Perfluoroheptanesulfonic acid	µg/L	<0.01
Perfluorooctanesulfonic acid PFOS	µg/L	0.04
Perfluorodecanesulfonic acid	µg/L	<0.02
Perfluorobutanoic acid	µg/L	<0.02
Perfluoropentanoic acid	µg/L	<0.02
Perfluorohexanoic acid	µg/L	<0.01
Perfluoroheptanoic acid	µg/L	<0.01
Perfluorooctanoic acid PFOA	µg/L	<0.01
Perfluorononanoic acid	µg/L	<0.01
Perfluorodecanoic acid	µg/L	<0.02
Perfluoroundecanoic acid	µg/L	<0.02
Perfluorododecanoic acid	µg/L	<0.05
Perfluorotridecanoic acid	µg/L	<0.1
Perfluorotetradecanoic acid	µg/L	<0.5
4:2 FTS	µg/L	<0.01
6:2 FTS	µg/L	<0.01
8:2 FTS	µg/L	<0.02
10:2 FTS	µg/L	<0.02
Perfluorooctane sulfonamide	µg/L	<0.1
N-Methyl perfluorooctane sulfonamide	µg/L	<0.05
N-Ethyl perfluorooctanesulfon -amide	µg/L	<0.1
N-Me perfluorooctanesulfonamid -oethanol	µg/L	<0.05
N-Et perfluorooctanesulfonamid -oethanol	µg/L	<0.5
MePerfluorooctanesulf- amid oacetic acid	µg/L	<0.02
EtPerfluorooctanesulf- amid oacetic acid	µg/L	<0.02
Surrogate $^{13}C_8$ PFOS	%	87
Surrogate $^{13}C_2$ PFOA	%	100
Extracted ISTD $^{13}C_3$ *PFBS*	%	93
Extracted ISTD $^{18}O_2$ *PFHxS*	%	96
Extracted ISTD $^{13}C_4$ *PFOS*	%	92
Extracted ISTD $^{13}C_4$ *PFBA*	%	95

PFAS in Waters Extended		
Our Reference		35779-9
Your Reference	UNITS	SPLIT01
Date Sampled		05/02/2023
Type of sample		Water
Extracted ISTD $^{13}C_3$ *PFPeA*	%	106
Extracted ISTD $^{13}C_2$ *PFHxA*	%	89
Extracted ISTD $^{13}C_4$ *PFHpA*	%	94
Extracted ISTD $^{13}C_4$ *PFOA*	%	109
Extracted ISTD $^{13}C_5$ *PFNA*	%	110
Extracted ISTD $^{13}C_2$ *PFDA*	%	106
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	102
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	95
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	98
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	101
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	99
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	88
Extracted ISTD $^{13}C_8$ *FOSA*	%	91
Extracted ISTD d_3 *N MeFOSA*	%	105
Extracted ISTD d_5 *NEtFOSA*	%	104
Extracted ISTD d_7 *N MeFOSE*	%	103
Extracted ISTD d_9 *N EtFOSE*	%	94
Extracted ISTD d_3 *N MeFOSAA*	%	94
Extracted ISTD d_5 *N EtFOSAA*	%	87
Total Positive PFHxS & PFOS	µg/L	0.06
Total Positive PFOS & PFOA	µg/L	0.04
Total Positive PFAS	µg/L	0.08

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004. Results reported denoted with * are outside our scope of NATA accreditation. NOTE #1Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF) NOTE #2The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.
Inorg-008	Moisture content determined by heating at 105°C for a minimum of 12 hours.
Metals-020 ICP-AES	Determination of various metals by ICP-AES.
Metals-021 CV-AAS	Determination of Mercury by Cold Vapour AAS.
Metals-021 CV-AAS	Determination of Mercury by Cold Vapour AAS.
Metals-022 ICP-MS	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-021/022	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD or GC-MS. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.

Method ID	Methodology Summary
Org-022	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS.
Org-022	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Note, For OCs the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-022	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater 2013.
Org-022	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-023	Water samples are analysed directly by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

Method ID	Methodology Summary
Org-029	Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLP/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3. Analysis is undertaken with LC-MS/MS. PFAS results include the sum of branched and linear isomers where applicable. Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components. Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER

QUALITY CONTROL: VOCs in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	35779-6
Date extracted	-			14/02/2023	6	14/02/2023	14/02/2023		14/02/2023	14/02/2023
Date analysed	-			14/02/2023	6	14/02/2023	14/02/2023		14/02/2023	14/02/2023
Dichlorodifluoromethane	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
Chloromethane	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
Vinyl Chloride	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
Bromomethane	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
Chloroethane	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
Trichlorofluoromethane	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
1,1-Dichloroethene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
trans-1,2-dichloroethene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,1-dichloroethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	76	90
cis-1,2-dichloroethene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
bromochloromethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
chloroform	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	85	92
2,2-dichloropropane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,2-dichloroethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	80	91
1,1,1-trichloroethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	74	84
1,1-dichloropropene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
Cyclohexane	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
carbon tetrachloride	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-023	<0.2	6	<0.2	<0.2	0	[NT]	[NT]
dibromomethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,2-dichloropropane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
trichloroethene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	79	103
bromodichloromethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	88	89
trans-1,3-dichloropropene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
cis-1,3-dichloropropene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,1,2-trichloroethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,3-dichloropropane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
dibromochloromethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	91	92
1,2-dibromoethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
Tetrachloroethene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	84	85
1,1,1,2-tetrachloroethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
chlorobenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
bromoform	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	86	91
m+p-xylene	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
styrene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,1,2,2-tetrachloroethane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]

QUALITY CONTROL: VOCs in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	35779-6
o-Xylene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,2,3-trichloropropane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
isopropylbenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
bromobenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
n-propyl benzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
2-chlorotoluene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
4-chlorotoluene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,3,5-trimethyl benzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
tert-butyl benzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,2,4-trimethyl benzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,3-dichlorobenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
sec-butyl benzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,4-dichlorobenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
4-isopropyl toluene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,2-dichlorobenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
n-butyl benzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,2-dibromo-3-chloropropane	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,2,4-trichlorobenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
hexachlorobutadiene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
1,2,3-trichlorobenzene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	111	6	101	100	1	99	101
Surrogate aaa-Trifluorotoluene	%		Org-023	62	6	101	101	0	96	99
Surrogate Toluene-d_8	%		Org-023	108	6	101	101	0	102	100
Surrogate 4-Bromofluorobenzene	%		Org-023	100	6	102	103	1	105	99

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	35779-6
Date extracted	-			14/02/2023	6	14/02/2023	14/02/2023		14/02/2023	14/02/2023
Date analysed	-			14/02/2023	6	14/02/2023	14/02/2023		14/02/2023	14/02/2023
vTRH C_6 - C_9	mg/kg	25	Org-023	<25	6	<25	<25	0	97	97
vTRH C_6 - C_{10}	mg/kg	25	Org-023	<25	6	<25	<25	0	97	97
Benzene	mg/kg	0.2	Org-023	<0.2	6	<0.2	<0.2	0	99	98
Toluene	mg/kg	0.5	Org-023	<0.5	6	<0.5	<0.5	0	105	104
Ethylbenzene	mg/kg	1	Org-023	<1	6	<1	<1	0	93	94
m+p-xylene	mg/kg	2	Org-023	<2	6	<2	<2	0	93	94
o-Xylene	mg/kg	1	Org-023	<1	6	<1	<1	0	94	94
Naphthalene	mg/kg	1	Org-023	<1	6	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	105	6	100	100	0	103	99

QUALITY CONTROL: TRH Soil C10-C40 NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			14/02/2023	[NT]	[NT]	[NT]	[NT]	14/02/2023	[NT]
Date analysed	-			15/02/2023	[NT]	[NT]	[NT]	[NT]	15/02/2023	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	84	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	91	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	93	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	84	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	91	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	93	[NT]
Surrogate o-Terphenyl	%		Org-020	74	[NT]	[NT]	[NT]	[NT]	77	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			14/02/2023	2	14/02/2023	14/02/2023		14/02/2023	[NT]
Date analysed	-			14/02/2023	2	14/02/2023	14/02/2023		14/02/2023	[NT]
Naphthalene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	84	[NT]
Acenaphthylene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	86	[NT]
Fluorene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	84	[NT]
Phenanthrene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	88	[NT]
Anthracene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	90	[NT]
Pyrene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	92	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	80	[NT]
Benzo(b,j&k)fluoranthene	mg/kg	0.2	Org-022	<0.2	2	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022	<0.05	2	<0.05	<0.05	0	92	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d_{14}	%		Org-022	80	2	76	74	3	78	[NT]

QUALITY CONTROL: OCP in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			14/02/2023	[NT]	[NT]	[NT]	[NT]	14/02/2023	[NT]
Date analysed	-			14/02/2023	[NT]	[NT]	[NT]	[NT]	14/02/2023	[NT]
alpha-BHC	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	80	[NT]
Hexachlorobenzene	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	72	[NT]
gamma-BHC	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	88	[NT]
delta-BHC	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	84	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	86	[NT]
alpha-chlordane	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	88	[NT]
Dieldrin	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	82	[NT]
Endrin	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	72	[NT]
Methoxychlor	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 2-chlorophenol-d4	%		Org-022	78	[NT]	[NT]	[NT]	[NT]	80	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			14/02/2023	[NT]	[NT]	[NT]	[NT]	14/02/2023	[NT]
Date analysed	-			14/02/2023	[NT]	[NT]	[NT]	[NT]	14/02/2023	[NT]
Aroclor 1016	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	104	[NT]
Aroclor 1260	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 2-fluorobiphenyl	%		Org-022	64	[NT]	[NT]	[NT]	[NT]	68	[NT]

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date digested	-			15/02/2023	[NT]	[NT]	[NT]	[NT]	15/02/2023	[NT]
Date analysed	-			15/02/2023	[NT]	[NT]	[NT]	[NT]	15/02/2023	[NT]
Arsenic	mg/kg	4	Metals-020 ICP-AES	<4	[NT]	[NT]	[NT]	[NT]	108	[NT]
Cadmium	mg/kg	0.4	Metals-020 ICP-AES	<0.4	[NT]	[NT]	[NT]	[NT]	114	[NT]
Chromium	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	[NT]	[NT]	128	[NT]
Copper	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	[NT]	[NT]	118	[NT]
Lead	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	[NT]	[NT]	126	[NT]
Mercury	mg/kg	0.1	Metals-021 CV-AAS	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Nickel	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	[NT]	[NT]	118	[NT]
Zinc	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	[NT]	[NT]	116	[NT]

QUALITY CONTROL: VOCs in water - Routine Level					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			10/02/2023	[NT]	[NT]	[NT]	[NT]	10/02/2023	[NT]
Date analysed	-			14/02/2023	[NT]	[NT]	[NT]	[NT]	14/02/2023	[NT]
Dichlorodifluoromethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloromethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromomethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroform	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	110	[NT]
2,2-dichloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	115	[NT]
1,1,1-trichloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
1,1-dichloropropene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Cyclohexane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromomethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	116	[NT]
Bromodichloromethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	111	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Toluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	115	[NT]
1,2-dibromoethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	106	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromoform	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	116	[NT]
m+p-xylene	µg/L	2	Org-023	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Styrene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]

QUALITY CONTROL: VOCs in water - Routine Level					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
o-xylene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	100	[NT]	[NT]	[NT]	[NT]	105	[NT]
Surrogate toluene-d8	%		Org-023	99	[NT]	[NT]	[NT]	[NT]	100	[NT]
Surrogate 4-BFB	%		Org-023	97	[NT]	[NT]	[NT]	[NT]	103	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			11/02/2023	[NT]	[NT]	[NT]	[NT]	11/02/2023	[NT]
Date analysed	-			11/02/2023	[NT]	[NT]	[NT]	[NT]	11/02/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	113	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	113	[NT]
Benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	112	[NT]
Toluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	115	[NT]
Ethylbenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	113	[NT]
m+p-xylene	µg/L	2	Org-023	<2	[NT]	[NT]	[NT]	[NT]	112	[NT]
o-xylene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	113	[NT]
Naphthalene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	118	[NT]
Surrogate Dibromofluoromethane	%		Org-023	101	[NT]	[NT]	[NT]	[NT]	108	[NT]
Surrogate toluene-d8	%		Org-023	102	[NT]	[NT]	[NT]	[NT]	97	[NT]
Surrogate 4-BFB	%		Org-023	99	[NT]	[NT]	[NT]	[NT]	103	[NT]

QUALITY CONTROL: TRH Water(C10-C40) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			13/02/2023	[NT]	[NT]	[NT]	[NT]	13/02/2023	[NT]
Date analysed	-			13/02/2023	[NT]	[NT]	[NT]	[NT]	13/02/2023	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	95	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	111	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	107	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	95	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	111	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	107	[NT]
Surrogate o-Terphenyl	%		Org-020	86	[NT]	[NT]	[NT]	[NT]	82	[NT]

QUALITY CONTROL: PAHs in Water - Trace Level						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			10/02/2023	[NT]	[NT]	[NT]	[NT]	10/02/2023	[NT]
Date analysed	-			15/02/2023	[NT]	[NT]	[NT]	[NT]	15/02/2023	[NT]
Naphthalene	µg/L	0.02	Org-022	<0.02	[NT]	[NT]	[NT]	[NT]	70	[NT]
Acenaphthylene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	106	[NT]
Fluorene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	101	[NT]
Phenanthrene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	98	[NT]
Anthracene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	107	[NT]
Pyrene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	111	[NT]
Benzo(a)anthracene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	104	[NT]
Benzo(b,j&k)fluoranthene	µg/L	0.02	Org-022	<0.02	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	92	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.01	Org-022	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d_{14}	%		Org-022	85	[NT]	[NT]	[NT]	[NT]	109	[NT]

QUALITY CONTROL: HM in water - dissolved					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	35779-9
Date prepared	-			11/02/2023	[NT]	[NT]	[NT]	[NT]	11/02/2023	11/02/2023
Date analysed	-			11/02/2023	[NT]	[NT]	[NT]	[NT]	11/02/2023	11/02/2023
Arsenic-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Cadmium-Dissolved	µg/L	0.1	Metals-022 ICP-MS	<0.1	[NT]	[NT]	[NT]	[NT]	107	[NT]
Chromium-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	[NT]	[NT]	106	[NT]
Copper-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Lead-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Nickel-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Zinc-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	[NT]	[NT]	106	[NT]
Mercury-Dissolved	µg/L	0.05	Metals-021 CV-AAS	<0.05	[NT]	[NT]	[NT]	[NT]	99	84

QUALITY CONTROL: PFAS in Waters Extended					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Perfluorobutanesulfonic acid	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	122	[NT]
Perfluoropentanesulfonic acid	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	124	[NT]
Perfluorohexanesulfonic acid PFHxS	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	123	[NT]
Perfluoroheptanesulfonic acid	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	122	[NT]
Perfluorooctanesulfonic acid PFOS	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	116	[NT]
Perfluorodecanesulfonic acid	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	116	[NT]
Perfluorobutanoic acid	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	122	[NT]
Perfluoropentanoic acid	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	121	[NT]
Perfluorohexanoic acid	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	123	[NT]
Perfluoroheptanoic acid	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	123	[NT]
Perfluorooctanoic acid PFOA	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	119	[NT]
Perfluorononanoic acid	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	121	[NT]
Perfluorodecanoic acid	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	119	[NT]
Perfluoroundecanoic acid	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	120	[NT]
Perfluorododecanoic acid	µg/L	0.05	Org-029	<0.05	[NT]	[NT]	[NT]	[NT]	126	[NT]
Perfluorotridecanoic acid	µg/L	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	114	[NT]
Perfluorotetradecanoic acid	µg/L	0.5	Org-029	<0.5	[NT]	[NT]	[NT]	[NT]	131	[NT]
4:2 FTS	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	113	[NT]
6:2 FTS	µg/L	0.01	Org-029	<0.01	[NT]	[NT]	[NT]	[NT]	112	[NT]
8:2 FTS	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	118	[NT]
10:2 FTS	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	126	[NT]
Perfluorooctane sulfonamide	µg/L	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	111	[NT]
N-Methyl perfluorooctane sulfonamide	µg/L	0.05	Org-029	<0.05	[NT]	[NT]	[NT]	[NT]	105	[NT]
N-Ethyl perfluorooctanesulfon -amide	µg/L	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	111	[NT]
N-Me perfluorooctanesulfonamid -oethanol	µg/L	0.05	Org-029	<0.05	[NT]	[NT]	[NT]	[NT]	103	[NT]
N-Et perfluorooctanesulfonamid -oethanol	µg/L	0.5	Org-029	<0.5	[NT]	[NT]	[NT]	[NT]	111	[NT]
MePerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	114	[NT]
EtPerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	<0.02	[NT]	[NT]	[NT]	[NT]	117	[NT]
Surrogate $^{13}C_8$ PFOS	%		Org-029	97	[NT]	[NT]	[NT]	[NT]	91	[NT]
Surrogate $^{13}C_2$ PFOA	%		Org-029	97	[NT]	[NT]	[NT]	[NT]	100	[NT]
Extracted ISTD $^{13}C_3$ PFBS	%		Org-029	94	[NT]	[NT]	[NT]	[NT]	91	[NT]

QUALITY CONTROL: PFAS in Waters Extended					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	89	[NT]	[NT]	[NT]	[NT]	91	[NT]
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	88	[NT]	[NT]	[NT]	[NT]	92	[NT]
Extracted ISTD $^{13}C_4$ *PFBA*	%		Org-029	96	[NT]	[NT]	[NT]	[NT]	95	[NT]
Extracted ISTD $^{13}C_3$ *PFPeA*	%		Org-029	99	[NT]	[NT]	[NT]	[NT]	97	[NT]
Extracted ISTD $^{13}C_2$ *PFHxA*	%		Org-029	93	[NT]	[NT]	[NT]	[NT]	91	[NT]
Extracted ISTD $^{13}C_4$ *PFHpA*	%		Org-029	92	[NT]	[NT]	[NT]	[NT]	92	[NT]
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	99	[NT]	[NT]	[NT]	[NT]	98	[NT]
Extracted ISTD $^{13}C_5$ *PFNA*	%		Org-029	99	[NT]	[NT]	[NT]	[NT]	99	[NT]
Extracted ISTD $^{13}C_2$ *PFDA*	%		Org-029	97	[NT]	[NT]	[NT]	[NT]	98	[NT]
Extracted ISTD $^{13}C_2$ *PFUnDA*	%		Org-029	93	[NT]	[NT]	[NT]	[NT]	92	[NT]
Extracted ISTD $^{13}C_2$ *PFDoDA*	%		Org-029	95	[NT]	[NT]	[NT]	[NT]	94	[NT]
Extracted ISTD $^{13}C_2$ *PFTeDA*	%		Org-029	86	[NT]	[NT]	[NT]	[NT]	92	[NT]
Extracted ISTD $^{13}C_2$ *4:2FTS*	%		Org-029	100	[NT]	[NT]	[NT]	[NT]	99	[NT]
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	95	[NT]	[NT]	[NT]	[NT]	99	[NT]
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	97	[NT]	[NT]	[NT]	[NT]	97	[NT]
Extracted ISTD $^{13}C_8$ *FOSA*	%		Org-029	98	[NT]	[NT]	[NT]	[NT]	95	[NT]
Extracted ISTD d_3 *N MeFOSA*	%		Org-029	105	[NT]	[NT]	[NT]	[NT]	102	[NT]
Extracted ISTD d_5 *NEtFOSA*	%		Org-029	100	[NT]	[NT]	[NT]	[NT]	100	[NT]
Extracted ISTD d_7 *N MeFOSE*	%		Org-029	106	[NT]	[NT]	[NT]	[NT]	100	[NT]
Extracted ISTD d_9 *N EtFOSE*	%		Org-029	94	[NT]	[NT]	[NT]	[NT]	90	[NT]

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Extracted ISTD d_3 *N MeFOSAA*	%		Org-029	106	[NT]	[NT]	[NT]	[NT]	98	[NT]
Extracted ISTD d_5 *N EtFOSAA*	%		Org-029	93	[NT]	[NT]	[NT]	[NT]	92	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Asbestos analysed by Envirolab Sydney, report number 316324.

VOC/BTEX: PQL has been raised due to the high concentration of analytes in the sample/s, resulting in the sample/s requiring dilution.

METALS: The PQL has been raised for Arsenic, Cadmium and Chromium due to the sample matrix requiring dilution.

Asbestos-ID in soil: NEPM. This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site
Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.
Sample 35779-5; Chrysotile asbestos identified in 0.0025g of loose fibre bundle

Chain of Custody

JBS&G

PROJECT NO.: 63879	LABORATORY BATCH NO.:
PROJECT NAME: BHHR	SAMPLERS: AJ
DATE NEEDED BY: standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....mhodgins@jbsg.com.au; (3) .....gpinget@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

	SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metaks	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness								TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA
1	SPLIT01	Soil	2/2/23		1 Jar			X																		
2	SPLIT02	Soil	2/2/23		1 Jar				X	X																
3	SPLIT03	Soil	3/2/23		1 Jar			X																		
4	SPLIT04	Soil	3/2/23		1 Jar			X																		
5	SPLIT05	Soil	3/2/23		1 Bag		X																			X
6	SPLIT06	Soil	3/2/23		1 Jar			X			X															
7	SPLIT07	Soil	4/2/23		1 Jar																					
8	SPLIT08	Soil	4/2/23		1 Bag		X																			X
9	SPLIT01	Water	5/2/23		2A, 4V, 2P, 1 PFAS									X	X											

NOTES:

SPLIT SAMPLES TO BE FORWARDED TO ENVIROLAB ASAP PLEASE

JB2 = Combo 5
Water B8 = 8 HM, PAHs (Trace), TRH and VOCs

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: MH DATE: 8/2/23 OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP ..... deg C
NAME: Emily D DATE: 10/2 OF: Eurofins 8:00am	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: Olsen DATE: OF: els 10/2/23	COOLER SEAL – (Yes)... No ..... (Intact) ..... Broken ..... COOLER TEMP b.b deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

ENVIROLAB

Envirolab Services
25 Research Drive
Croydon South VIC 3136
Ph: (03) 9763 2500

Job No: 35779

Date Received: 10/2/23
Time Received: 11:25am
Received By: CO
Temp: Cool/Ambient 6.6° C
Cooling: Ice/Icepack
Security: Intact/Broken/None

13

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JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

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: **Mitch Hodgins**

Report **962621-S**
Project name BHHR
Project ID 63879
Received Date Feb 09, 2023

Client Sample ID			**KW-B1_0.0-0.1**	**KW-B1_0.2-0.3**	**KW-B2_0.0-0.1**	**KW-B2_0.3-0.4**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**M23-Fe0023564**	**M23-Fe0023565**	**M23-Fe0023567**	**M23-Fe0023570**
Date Sampled			**Feb 03, 2023**	**Feb 03, 2023**	**Feb 03, 2023**	**Feb 03, 2023**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	-	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	-	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	-	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	81	-	98	90
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			KW-B1_0.0-0.1	KW-B1_0.2-0.3	KW-B2_0.0-0.1	KW-B2_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023564	M23-Fe0023565	M23-Fe0023567	M23-Fe0023570
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	0.6	1.1	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	0.6	0.9	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	1.2	2.0	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	70	76	90	93
p-Terphenyl-d14 (surr.)	1	%	75	62	92	104
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
Dibutylchlorendate (surr.)	1	%	64	-	80	105
Tetrachloro-m-xylene (surr.)	1	%	77	-	99	109
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	64	-	80	105
Tetrachloro-m-xylene (surr.)	1	%	77	-	99	109

Client Sample ID			KW-B1_0.0-0.1	KW-B1_0.2-0.3	KW-B2_0.0-0.1	KW-B2_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023564	M23-Fe0023565	M23-Fe0023567	M23-Fe0023570
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
% Clay	1	%	1.0	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	830	-	-	-
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	7.5	-	-	-
Total Organic Carbon	0.1	%	0.5	-	-	-
% Moisture	1	%	6.3	6.3	2.3	4.7
Heavy Metals						
Arsenic	2	mg/kg	8.8	6.8	< 2	4.7
Cadmium	0.4	mg/kg	0.6	0.5	< 0.4	< 0.4
Chromium	5	mg/kg	28	28	19	22
Copper	5	mg/kg	29	27	12	21
Iron	20	mg/kg	36000	-	-	-
Lead	5	mg/kg	130	220	28	84
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	22	20	12	19
Zinc	5	mg/kg	210	180	110	170
Heavy Metals						
Iron (%)	0.01	%	3.6	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	34	-	-	-

Client Sample ID			KW-B3_0.1-0.2	KW-B3_0.25-0.3	KW-B4_0.0-0.1	KW-B4_0.1-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023571	M23-Fe0023572	M23-Fe0023575	M23-Fe0023577
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	160	57	-	< 50
TRH C29-C36	50	mg/kg	53	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	213	57	-	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	220	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	220	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	124	95	-	55

Client Sample ID			KW-B3_0.1-0.2	KW-B3_0.25-0.3	KW-B4_0.0-0.1	KW-B4_0.1-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023571	M23-Fe0023572	M23-Fe0023575	M23-Fe0023577
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	2.3	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	2.5	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	2.8	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	1.3	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	1.8	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	0.9	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	1.1	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	1.4	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	1.6	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	0.7	2.7	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	1.1	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	1.0	< 0.5	< 0.5
Pyrene	0.5	mg/kg	0.7	2.9	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	1.4	16	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	72	98	88	54
p-Terphenyl-d14 (surr.)	1	%	76	108	91	56
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

Client Sample ID			KW-B3_0.1-0.2	KW-B3_0.25-0.3	KW-B4_0.0-0.1	KW-B4_0.1-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023571	M23-Fe0023572	M23-Fe0023575	M23-Fe0023577
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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
Dibutylchlorendate (surr.)	1	%	92	106	-	73
Tetrachloro-m-xylene (surr.)	1	%	63	122	-	59
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	92	106	-	73
Tetrachloro-m-xylene (surr.)	1	%	63	122	-	59
% Moisture	1	%	7.0	8.0	5.5	5.2
Heavy Metals						
Arsenic	2	mg/kg	63	2.5	2.9	5.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	1.3
Chromium	5	mg/kg	32	13	16	27
Copper	5	mg/kg	130	51	14	20
Lead	5	mg/kg	16000	160	75	360
Mercury	0.1	mg/kg	0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	88	12	11	13
Zinc	5	mg/kg	320	170	130	380
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			KW-B3_0.1-0.2	KW-B3_0.25-0.3	KW-B4_0.0-0.1	KW-B4_0.1-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023571	M23-Fe0023572	M23-Fe0023575	M23-Fe0023577
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	124	-	-	-
Toluene-d8 (surr.)	1	%	109	-	-	-

Client Sample ID			KW-B5_0.1-0.2	KW-B5_0.4-0.5	KW-B6_0.0-0.1	KW-B6_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023580	M23-Fe0023581	M23-Fe0023584	M23-Fe0023585
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
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
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	%	81	-	-	81
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.6
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.9
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.6
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.0
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.2
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	3.8
2-Fluorobiphenyl (surr.)	1	%	72	82	56	81
p-Terphenyl-d14 (surr.)	1	%	60	82	91	78

Client Sample ID			KW-B5_0.1-0.2	KW-B5_0.4-0.5	KW-B6_0.0-0.1	KW-B6_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023580	M23-Fe0023581	M23-Fe0023584	M23-Fe0023585
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	-	-	0.05
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	0.15
a-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	0.2
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	0.2
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	68	-	-	118
Tetrachloro-m-xylene (surr.)	1	%	52	-	-	65
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	68	-	-	118
Tetrachloro-m-xylene (surr.)	1	%	52	-	-	65
% Clay	1	%	1.2	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	210	-	-	-
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	7.8	-	-	-
Total Organic Carbon	0.1	%	1.1	-	-	-
% Moisture	1	%	9.4	9.4	6.1	5.5
Heavy Metals						
Arsenic	2	mg/kg	4.6	2.4	9.0	10
Cadmium	0.4	mg/kg	0.7	< 0.4	1.1	0.8
Chromium	5	mg/kg	19	21	28	21
Copper	5	mg/kg	17	13	29	22

Client Sample ID			KW-B5_0.1-0.2	KW-B5_0.4-0.5	KW-B6_0.0-0.1	KW-B6_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023580	M23-Fe0023581	M23-Fe0023584	M23-Fe0023585
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Iron	20	mg/kg	17000	-	-	-
Lead	5	mg/kg	380	41	200	250
Mercury	0.1	mg/kg	< 0.1	< 0.1	0.1	< 0.1
Nickel	5	mg/kg	7.8	10	28	14
Zinc	5	mg/kg	210	58	410	290
Heavy Metals						
Iron (%)	0.01	%	1.7	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	4.5	-	-	-

Client Sample ID			KW-B7_0.2-0.3	KW-B7_0.5-0.6	KW-B8_0.0-0.1	KW-B8_0.2-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023586	M23-Fe0023587	M23-Fe0023590	M23-Fe0023591
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	-	< 20	< 20
TRH C15-C28	50	mg/kg	91	-	58	< 50
TRH C29-C36	50	mg/kg	< 50	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	91	-	58	< 50
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	< 50
TRH >C16-C34	100	mg/kg	120	-	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	120	-	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	65	-	80	102
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	1.3	0.8	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	1.5	1.1	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.8	1.4	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	0.8	0.6	< 0.5	< 0.5

Client Sample ID			KW-B7_0.2-0.3	KW-B7_0.5-0.6	KW-B8_0.0-0.1	KW-B8_0.2-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023586	M23-Fe0023587	M23-Fe0023590	M23-Fe0023591
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	0.9	0.7	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	1.3	0.6	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	0.7	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	1.0	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	0.9	0.7	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	2.2	1.3	0.6	0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	1.5	0.8	< 0.5	< 0.5
Pyrene	0.5	mg/kg	2.1	1.2	0.7	0.5
Total PAH*	0.5	mg/kg	12	5.9	1.3	1.0
2-Fluorobiphenyl (surr.)	1	%	24	61	23	93
p-Terphenyl-d14 (surr.)	1	%	28	94	22	85
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
Dibutylchlorendate (surr.)	1	%	42	-	62	97
Tetrachloro-m-xylene (surr.)	1	%	26	-	26	54
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1

Client Sample ID			KW-B7_0.2-0.3	KW-B7_0.5-0.6	KW-B8_0.0-0.1	KW-B8_0.2-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023586	M23-Fe0023587	M23-Fe0023590	M23-Fe0023591
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	42	-	62	97
Tetrachloro-m-xylene (surr.)	1	%	26	-	26	54
% Moisture	1	%	6.2	5.9	9.8	11
Heavy Metals						
Arsenic	2	mg/kg	6.4	6.4	16	5.0
Cadmium	0.4	mg/kg	0.9	0.9	1.2	1.0
Chromium	5	mg/kg	22	20	29	21
Copper	5	mg/kg	26	24	41	23
Lead	5	mg/kg	330	250	350	250
Mercury	0.1	mg/kg	0.1	0.1	0.1	0.1
Nickel	5	mg/kg	15	15	27	13
Zinc	5	mg/kg	390	370	490	490
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			KW-B7_0.2-0.3	KW-B7_0.5-0.6	KW-B8_0.0-0.1	KW-B8_0.2-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023586	M23-Fe0023587	M23-Fe0023590	M23-Fe0023591
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	102
Toluene-d8 (surr.)	1	%	-	-	-	114

Client Sample ID			MH-B1_0.0-0.1	MH-B1_0.1-0.2	MH-B1_0.2-0.3	MH-B2_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023594	M23-Fe0023596	M23-Fe0023598	M23-Fe0023600
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
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	-	-
TRH >C16-C34	100	mg/kg	-	< 100	-	-
TRH >C34-C40	100	mg/kg	-	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	-

Client Sample ID			MH-B1_0.0-0.1	MH-B1_0.1-0.2	MH-B1_0.2-0.3	MH-B2_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023594	M23-Fe0023596	M23-Fe0023598	M23-Fe0023600
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
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	%	-	74	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	%	-	90	-	-
p-Terphenyl-d14 (surr.)	1	%	-	51	-	-
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	-	-
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	-	-

Client Sample ID			MH-B1_0.0-0.1	MH-B1_0.1-0.2	MH-B1_0.2-0.3	MH-B2_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023594	M23-Fe0023596	M23-Fe0023598	M23-Fe0023600
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	-	-
Dibutylchlorendate (surr.)	1	%	-	119	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	51	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	-	119	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	51	-	-
% Moisture	1	%	24	16	14	7.5
Heavy Metals						
Arsenic	2	mg/kg	3.5	2.7	8.9	11
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	26	27	34	51
Copper	5	mg/kg	23	59	35	74
Lead	5	mg/kg	42	35	140	120
Mercury	0.1	mg/kg	< 0.1	< 0.1	0.2	< 0.1
Nickel	5	mg/kg	14	19	24	36
Zinc	5	mg/kg	120	110	150	180
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			MH-B1_0.0-0.1	MH-B1_0.1-0.2	MH-B1_0.2-0.3	MH-B2_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023594	M23-Fe0023596	M23-Fe0023598	M23-Fe0023600
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	-
Allyl chloride	0.5	mg/kg	-	< 0.5	-	-
Benzene	0.1	mg/kg	-	< 0.1	-	-
Bromobenzene	0.5	mg/kg	-	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromoform	0.5	mg/kg	-	< 0.5	-	-
Bromomethane	0.5	mg/kg	-	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	-
Chloroethane	0.5	mg/kg	-	< 0.5	-	-
Chloroform	0.5	mg/kg	-	< 0.5	-	-
Chloromethane	0.5	mg/kg	-	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Dibromomethane	0.5	mg/kg	-	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	-
Iodomethane	0.5	mg/kg	-	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	-
o-Xylene	0.1	mg/kg	-	< 0.1	-	-
Styrene	0.5	mg/kg	-	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Toluene	0.1	mg/kg	-	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Trichloroethene	0.5	mg/kg	-	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	-
Total MAH*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	-	74	-	-
Toluene-d8 (surr.)	1	%	-	83	-	-

Client Sample ID			MH-B2_0.4-0.5	MH-B3_0.0-0.1	MH-B3_0.2-0.3	MH-B3_0.8-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023601	M23-Fe0023603	M23-Fe0023604	M23-Fe0023605
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	90	88	-	81
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	50	52	-	52
p-Terphenyl-d14 (surr.)	1	%	98	94	-	89

Client Sample ID			MH-B2_0.4-0.5	MH-B3_0.0-0.1	MH-B3_0.2-0.3	MH-B3_0.8-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023601	M23-Fe0023603	M23-Fe0023604	M23-Fe0023605
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 03, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
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
Dibutylchlorendate (surr.)	1	%	90	52	-	52
Tetrachloro-m-xylene (surr.)	1	%	55	52	-	52
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	90	52	-	52
Tetrachloro-m-xylene (surr.)	1	%	55	52	-	52
% Moisture	1	%	7.7	3.2	5.0	4.1
Heavy Metals						
Arsenic	2	mg/kg	7.9	< 2	< 2	3.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	48	10	9.3	47
Copper	5	mg/kg	44	13	< 5	9.3
Lead	5	mg/kg	100	14	< 5	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	33	5.6	< 5	26
Zinc	5	mg/kg	180	47	12	49

Client Sample ID			MH-B4_0.2-0.3	MH-B4_0.6-0.7	MH-B5_0.0-0.1	MH-B5_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023608	M23-Fe0023609	M23-Fe0023611	M23-Fe0023612
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 02, 2023	Feb 02, 2023
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
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	%	76	-	-	66
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
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	%	50	-	-	72
p-Terphenyl-d14 (surr.)	1	%	90	-	-	83

Client Sample ID			MH-B4_0.2-0.3	MH-B4_0.6-0.7	MH-B5_0.0-0.1	MH-B5_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023608	M23-Fe0023609	M23-Fe0023611	M23-Fe0023612
Date Sampled			Feb 03, 2023	Feb 03, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	-	-	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	< 0.05
a-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	86	-	-	84
Tetrachloro-m-xylene (surr.)	1	%	88	-	-	58
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	86	-	-	84
Tetrachloro-m-xylene (surr.)	1	%	88	-	-	58
% Moisture	1	%	5.6	3.0	7.3	8.9
Heavy Metals						
Arsenic	2	mg/kg	71	11	32	22
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	26	28	19	21
Copper	5	mg/kg	46	< 5	42	45
Lead	5	mg/kg	24	11	24	24
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	35	15	24	26
Zinc	5	mg/kg	87	61	59	59

Client Sample ID			MH-B5_0.4-0.5	MH-B5_0.8-0.9	MH-B6_0.0-0.1	MH-B6_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023613	M23-Fe0023614	M23-Fe0023616	M23-Fe0023617
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
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	-
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	%	62	-	76	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	69	-	50	71
p-Terphenyl-d14 (surr.)	1	%	83	-	92	87

Client Sample ID			MH-B5_0.4-0.5	MH-B5_0.8-0.9	MH-B6_0.0-0.1	MH-B6_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023613	M23-Fe0023614	M23-Fe0023616	M23-Fe0023617
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	81	-	98	-
Tetrachloro-m-xylene (surr.)	1	%	55	-	55	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	81	-	98	-
Tetrachloro-m-xylene (surr.)	1	%	55	-	55	-
% Clay	1	%	-	-	-	6.7
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	350
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	-	-	-	8.5
Total Organic Carbon	0.1	%	-	-	-	0.4
% Moisture	1	%	11	7.2	6.0	8.0
Heavy Metals						
Arsenic	2	mg/kg	6.7	8.4	15	4.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	24	21	29	30
Copper	5	mg/kg	28	21	35	24

Client Sample ID			MH-B5_0.4-0.5	MH-B5_0.8-0.9	MH-B6_0.0-0.1	MH-B6_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023613	M23-Fe0023614	M23-Fe0023616	M23-Fe0023617
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Iron	20	mg/kg	-	-	-	27000
Lead	5	mg/kg	19	20	25	22
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	16	14	24	17
Zinc	5	mg/kg	53	44	99	72
Heavy Metals						
Iron (%)	0.01	%	-	-	-	2.7
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	-	26
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	-
Allyl chloride	0.5	mg/kg	-	-	< 0.5	-
Benzene	0.1	mg/kg	-	-	< 0.1	-
Bromobenzene	0.5	mg/kg	-	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromoform	0.5	mg/kg	-	-	< 0.5	-
Bromomethane	0.5	mg/kg	-	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Chloroethane	0.5	mg/kg	-	-	< 0.5	-
Chloroform	0.5	mg/kg	-	-	< 0.5	-
Chloromethane	0.5	mg/kg	-	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Dibromomethane	0.5	mg/kg	-	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-

Client Sample ID			MH-B5_0.4-0.5	MH-B5_0.8-0.9	MH-B6_0.0-0.1	MH-B6_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023613	M23-Fe0023614	M23-Fe0023616	M23-Fe0023617
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
Iodomethane	0.5	mg/kg	-	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Styrene	0.5	mg/kg	-	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Trichloroethene	0.5	mg/kg	-	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
Total MAH*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	-	76	-
Toluene-d8 (surr.)	1	%	-	-	89	-

Client Sample ID			MH-B6_0.4-0.5	MH-B7_0.0-0.1	MH-B7_0.2-0.3	MH-B7_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023618	M23-Fe0023620	M23-Fe0023621	M23-Fe0023622
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
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
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	%	-	-	72	96
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			MH-B6_0.4-0.5	MH-B7_0.0-0.1	MH-B7_0.2-0.3	MH-B7_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023618	M23-Fe0023620	M23-Fe0023621	M23-Fe0023622
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	71	67	53
p-Terphenyl-d14 (surr.)	1	%	-	83	82	60
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	73	62
Tetrachloro-m-xylene (surr.)	1	%	-	-	53	54

Client Sample ID			MH-B6_0.4-0.5	MH-B7_0.0-0.1	MH-B7_0.2-0.3	MH-B7_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023618	M23-Fe0023620	M23-Fe0023621	M23-Fe0023622
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	73	62
Tetrachloro-m-xylene (surr.)	1	%	-	-	53	54
% Moisture	1	%	8.5	5.3	5.8	4.6
Heavy Metals						
Arsenic	2	mg/kg	2.6	3.5	3.5	2.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	29	29	30	27
Copper	5	mg/kg	11	9.4	9.0	8.6
Lead	5	mg/kg	13	11	13	9.8
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	13	16	17	15
Zinc	5	mg/kg	54	51	54	47

Client Sample ID			MH-B8_0.1-0.2	MH-B8_0.4-0.5	MH-B8_0.5-0.6	MH-B9_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023624	M23-Fe0023625	M23-Fe0023626	M23-Fe0023629
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
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	-	-
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	%	-	65	-	-

Client Sample ID			MH-B8_0.1-0.2	MH-B8_0.4-0.5	MH-B8_0.5-0.6	MH-B9_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023624	M23-Fe0023625	M23-Fe0023626	M23-Fe0023629
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	71	55	-	52
p-Terphenyl-d14 (surr.)	1	%	53	60	-	57
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	-	-
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	-	-

Client Sample ID			MH-B8_0.1-0.2	MH-B8_0.4-0.5	MH-B8_0.5-0.6	MH-B9_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023624	M23-Fe0023625	M23-Fe0023626	M23-Fe0023629
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	66	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	53	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	-	66	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	53	-	-
% Moisture	1	%	2.7	13	15	4.7
Heavy Metals						
Arsenic	2	mg/kg	42	5.6	16	34
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	37	38	20
Copper	5	mg/kg	44	22	27	53
Lead	5	mg/kg	22	18	16	25
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	31	21	25	27
Zinc	5	mg/kg	71	55	60	72

Client Sample ID			MH-B9_0.2-0.3	MH-B9_0.9-1.0	MH-B10_0.0-0.2	MH-B10_0.2-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023630	M23-Fe0023631	M23-Fe0023633	M23-Fe0023636
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100

Client Sample ID			MH-B9_0.2-0.3	MH-B9_0.9-1.0	MH-B10_0.0-0.2	MH-B10_0.2-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023630	M23-Fe0023631	M23-Fe0023633	M23-Fe0023636
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	87	81	89	107
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	51	149	53	58
p-Terphenyl-d14 (surr.)	1	%	58	52	58	59
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			MH-B9_0.2-0.3	MH-B9_0.9-1.0	MH-B10_0.0-0.2	MH-B10_0.2-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023630	M23-Fe0023631	M23-Fe0023633	M23-Fe0023636
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	69	66	69	71
Tetrachloro-m-xylene (surr.)	1	%	68	54	52	106
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	69	66	69	71
Tetrachloro-m-xylene (surr.)	1	%	68	54	52	106
% Moisture	1	%	5.6	21	7.4	11
Heavy Metals						
Arsenic	2	mg/kg	30	6.3	4.4	5.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	0.8	1.0
Chromium	5	mg/kg	22	41	23	26
Copper	5	mg/kg	38	27	32	34
Lead	5	mg/kg	100	15	260	310
Mercury	0.1	mg/kg	< 0.1	< 0.1	1.6	0.8
Nickel	5	mg/kg	24	25	15	17
Zinc	5	mg/kg	75	68	330	490

Client Sample ID			MH-B10_0.5-0.6	ED-B1_0.0-0.1	ED-B1_0.4-0.5	ED-B1_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023637	M23-Fe0023640	M23-Fe0023641	M23-Fe0023642
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
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	-	-

Client Sample ID			MH-B10_0.5-0.6	ED-B1_0.0-0.1	ED-B1_0.4-0.5	ED-B1_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023637	M23-Fe0023640	M23-Fe0023641	M23-Fe0023642
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	-	-
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	%	-	85	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	%	-	58	68	-
p-Terphenyl-d14 (surr.)	1	%	-	63	60	-
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	-	-

Client Sample ID			MH-B10_0.5-0.6	ED-B1_0.0-0.1	ED-B1_0.4-0.5	ED-B1_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023637	M23-Fe0023640	M23-Fe0023641	M23-Fe0023642
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	-	-
Dibutylchlorendate (surr.)	1	%	-	72	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	54	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	-	72	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	54	-	-
% Clay	1	%	-	6.1	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	410	-	-
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	-	9.1	-	-
Total Organic Carbon	0.1	%	-	0.3	-	-
% Moisture	1	%	10	8.5	11	9.4
Heavy Metals						
Arsenic	2	mg/kg	6.1	2.1	2.7	2.1
Cadmium	0.4	mg/kg	1.2	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	27	16	21	18
Copper	5	mg/kg	36	26	30	37
Iron	20	mg/kg	-	31000	-	-
Lead	5	mg/kg	470	11	14	13
Mercury	0.1	mg/kg	0.8	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	19	14	13	12
Zinc	5	mg/kg	510	46	39	36
Heavy Metals						
Iron (%)	0.01	%	-	3.1	-	-

Client Sample ID			MH-B10_0.5-0.6	ED-B1_0.0-0.1	ED-B1_0.4-0.5	ED-B1_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023637	M23-Fe0023640	M23-Fe0023641	M23-Fe0023642
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	26	-	-

Client Sample ID			ED-B2_0.0-0.1	ED-B2_0.2-0.3	ED-B3_0.0-0.1	ED-B3_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023644	M23-Fe0023645	M23-Fe0023647	M23-Fe0023648
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 04, 2023	Feb 04, 2023
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	-
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	%	-	94	92	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-

Client Sample ID			ED-B2_0.0-0.1	ED-B2_0.2-0.3	ED-B3_0.0-0.1	ED-B3_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023644	M23-Fe0023645	M23-Fe0023647	M23-Fe0023648
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 04, 2023	Feb 04, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	110	81	101	-
p-Terphenyl-d14 (surr.)	1	%	127	97	97	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	91	92	-
Tetrachloro-m-xylene (surr.)	1	%	-	130	126	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	91	92	-
Tetrachloro-m-xylene (surr.)	1	%	-	130	126	-
% Moisture	1	%	5.6	7.0	4.9	6.7

Client Sample ID			ED-B2_0.0-0.1	ED-B2_0.2-0.3	ED-B3_0.0-0.1	ED-B3_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023644	M23-Fe0023645	M23-Fe0023647	M23-Fe0023648
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 04, 2023	Feb 04, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	11	4.5	5.9	< 2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	18	17	14
Copper	5	mg/kg	25	16	9.0	< 5
Lead	5	mg/kg	16	12	9.0	< 5
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	19	21	11	7.9
Zinc	5	mg/kg	53	52	41	31

Client Sample ID			ED-B4_0.1-0.2	ED-B4_0.4-0.5	ED-B5_0.0-0.1	ED-B5_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023650	M23-Fe0023651	M23-Fe0023653	M23-Fe0023654
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 02, 2023	Feb 02, 2023
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	-
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	%	-	81	95	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
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	-

Client Sample ID			ED-B4_0.1-0.2	ED-B4_0.4-0.5	ED-B5_0.0-0.1	ED-B5_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023650	M23-Fe0023651	M23-Fe0023653	M23-Fe0023654
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	85	71	-
p-Terphenyl-d14 (surr.)	1	%	-	108	89	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	81	56	-
Tetrachloro-m-xylene (surr.)	1	%	-	108	82	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	-

Client Sample ID			ED-B4_0.1-0.2	ED-B4_0.4-0.5	ED-B5_0.0-0.1	ED-B5_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023650	M23-Fe0023651	M23-Fe0023653	M23-Fe0023654
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 02, 2023	Feb 02, 2023
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	81	56	-
Tetrachloro-m-xylene (surr.)	1	%	-	108	82	-
% Moisture	1	%	3.8	2.9	4.7	5.2
Heavy Metals						
Arsenic	2	mg/kg	< 2	< 2	< 2	< 2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	7.7	7.4	7.7	7.6
Copper	5	mg/kg	< 5	< 5	< 5	< 5
Lead	5	mg/kg	< 5	< 5	< 5	< 5
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	9.9	7.4	9.2	10

Client Sample ID			ED-B6_0.1-0.2	ED-B6_0.2-0.3	ED-B7_0.0-0.2	ED-B7_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023656	M23-Fe0023657	M23-Fe0023659	M23-Fe0023661
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 04, 2023	Feb 04, 2023
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	-
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	%	-	87	97	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			ED-B6_0.1-0.2	ED-B6_0.2-0.3	ED-B7_0.0-0.2	ED-B7_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023656	M23-Fe0023657	M23-Fe0023659	M23-Fe0023661
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 04, 2023	Feb 04, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	72	62	70
p-Terphenyl-d14 (surr.)	1	%	-	87	80	76
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	86	85	-
Tetrachloro-m-xylene (surr.)	1	%	-	64	53	-

Client Sample ID			ED-B6_0.1-0.2	ED-B6_0.2-0.3	ED-B7_0.0-0.2	ED-B7_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023656	M23-Fe0023657	M23-Fe0023659	M23-Fe0023661
Date Sampled			Feb 02, 2023	Feb 02, 2023	Feb 04, 2023	Feb 04, 2023
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	86	85	-
Tetrachloro-m-xylene (surr.)	1	%	-	64	53	-
% Moisture	1	%	5.1	5.6	4.2	11
Heavy Metals						
Arsenic	2	mg/kg	< 2	3.4	69	4.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	1.1
Chromium	5	mg/kg	7.4	8.5	25	24
Copper	5	mg/kg	< 5	6.0	40	17
Lead	5	mg/kg	< 5	< 5	17	25
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	6.0	28	18
Zinc	5	mg/kg	11	14	77	130

Client Sample ID			ED-B8_0.0-0.2	ED-B8_0.3-0.4	ED-B8_0.8-1.0	ED-B9_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023662	M23-Fe0023663	M23-Fe0023665	M23-Fe0023667
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 04, 2023	Feb 04, 2023
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	-	150	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	150	< 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	-
TRH >C16-C34	100	mg/kg	-	130	< 100	-
TRH >C34-C40	100	mg/kg	-	170	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	300	< 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	%	-	93	91	-

Client Sample ID			ED-B8_0.0-0.2	ED-B8_0.3-0.4	ED-B8_0.8-1.0	ED-B9_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023662	M23-Fe0023663	M23-Fe0023665	M23-Fe0023667
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 04, 2023	Feb 04, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	66	74	78	75
p-Terphenyl-d14 (surr.)	1	%	84	76	82	81
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	0.3	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	0.13	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	0.43	< 0.1	-

Client Sample ID			ED-B8_0.0-0.2	ED-B8_0.3-0.4	ED-B8_0.8-1.0	ED-B9_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023662	M23-Fe0023663	M23-Fe0023665	M23-Fe0023667
Date Sampled			Feb 04, 2023	Feb 04, 2023	Feb 04, 2023	Feb 04, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	0.43	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	89	92	-
Tetrachloro-m-xylene (surr.)	1	%	-	57	94	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	89	92	-
Tetrachloro-m-xylene (surr.)	1	%	-	57	94	-
% Moisture	1	%	3.6	8.1	12	5.1
Heavy Metals						
Arsenic	2	mg/kg	110	7.7	3.9	2.5
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	29	35	12
Copper	5	mg/kg	24	26	16	12
Lead	5	mg/kg	12	37	19	33
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	22	19	27	7.1
Zinc	5	mg/kg	60	89	43	72

Client Sample ID			ED-B9_0.1-0.2	DUP01	DUP02	DUP03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023669	M23-Fe0023674	M23-Fe0023675	M23-Fe0023676
Date Sampled			Feb 04, 2023	Feb 02, 2023	Feb 02, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	< 100

Client Sample ID			ED-B9_0.1-0.2	DUP01	DUP02	DUP03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023669	M23-Fe0023674	M23-Fe0023675	M23-Fe0023676
Date Sampled			Feb 04, 2023	Feb 02, 2023	Feb 02, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	97	91	-	79
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	76	73	66	70
p-Terphenyl-d14 (surr.)	1	%	83	84	79	73
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

Client Sample ID			ED-B9_0.1-0.2	DUP01	DUP02	DUP03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023669	M23-Fe0023674	M23-Fe0023675	M23-Fe0023676
Date Sampled			Feb 04, 2023	Feb 02, 2023	Feb 02, 2023	Feb 03, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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
Dibutylchlorendate (surr.)	1	%	82	85	-	67
Tetrachloro-m-xylene (surr.)	1	%	53	58	-	53
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	82	85	-	67
Tetrachloro-m-xylene (surr.)	1	%	53	58	-	53
% Moisture	1	%	4.3	6.1	8.5	5.5
Heavy Metals						
Arsenic	2	mg/kg	< 2	5.5	< 2	2.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	8.7	26	11	43
Copper	5	mg/kg	5.5	9.3	51	8.3
Lead	5	mg/kg	< 5	16	10.0	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	15	7.1	23
Zinc	5	mg/kg	11	47	18	44

Client Sample ID			DUP04	DUP06	Sspk3973	ED-B8_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023677	M23-Fe0023678	M23-Fe0023680	M23-Fe0024143
Date Sampled			Feb 03, 2023	Feb 03, 2023	Not Provided[I12]	Feb 02, 2023
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	59	-	-
TRH C29-C36	50	mg/kg	< 50	61	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	120	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	-

Client Sample ID			DUP04	DUP06	Sspk3973	ED-B8_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023677	M23-Fe0023678	M23-Fe0023680	M23-Fe0024143
Date Sampled			Feb 03, 2023	Feb 03, 2023	Not Provided[I12]	Feb 02, 2023
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	-
TRH >C16-C34	100	mg/kg	< 100	110	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	110	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	31	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	37	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	28	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	30	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	50	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	37	-
4-Bromofluorobenzene (surr.)	1	%	82	70	95	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
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	0.8	-	-
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	0.8	-	-
Total PAH*	0.5	mg/kg	< 0.5	1.6	-	-
2-Fluorobiphenyl (surr.)	1	%	97	100	-	-
p-Terphenyl-d14 (surr.)	1	%	91	86	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	0.08	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	0.07	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	0.11	-	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	-

Client Sample ID			DUP04	DUP06	Sspk3973	ED-B8_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023677	M23-Fe0023678	M23-Fe0023680	M23-Fe0024143
Date Sampled			Feb 03, 2023	Feb 03, 2023	Not Provided[112]	Feb 02, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	0.26	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	0.26	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	96	86	-	-
Tetrachloro-m-xylene (surr.)	1	%	119	99	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	-
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	96	86	-	-
Tetrachloro-m-xylene (surr.)	1	%	119	99	-	-
% Moisture	1	%	5.0	10	-	11
Heavy Metals						
Arsenic	2	mg/kg	4.8	7.6	-	4.3
Cadmium	0.4	mg/kg	1.3	3.0	-	< 0.4
Chromium	5	mg/kg	17	21	-	52
Copper	5	mg/kg	17	27	-	28
Lead	5	mg/kg	500	240	-	43
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Nickel	5	mg/kg	12	16	-	31
Zinc	5	mg/kg	350	880	-	95
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			DUP04	DUP06	Sspk3973	ED-B8_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023677	M23-Fe0023678	M23-Fe0023680	M23-Fe0024143
Date Sampled			Feb 03, 2023	Feb 03, 2023	Not Provided[112]	Feb 02, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	-
Allyl chloride	0.5	mg/kg	-	< 0.5	-	-
Benzene	0.1	mg/kg	-	< 0.1	-	-
Bromobenzene	0.5	mg/kg	-	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromoform	0.5	mg/kg	-	< 0.5	-	-
Bromomethane	0.5	mg/kg	-	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	-
Chloroethane	0.5	mg/kg	-	< 0.5	-	-
Chloroform	0.5	mg/kg	-	< 0.5	-	-
Chloromethane	0.5	mg/kg	-	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Dibromomethane	0.5	mg/kg	-	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	-
Iodomethane	0.5	mg/kg	-	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	-
o-Xylene	0.1	mg/kg	-	< 0.1	-	-
Styrene	0.5	mg/kg	-	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Toluene	0.1	mg/kg	-	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Trichloroethene	0.5	mg/kg	-	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	-
Total MAH*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			DUP04	DUP06	Sspk3973	ED-B8_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M23-Fe0023677	M23-Fe0023678	M23-Fe0023680	M23-Fe0024143
Date Sampled			Feb 03, 2023	Feb 03, 2023	Not Provided[I12]	Feb 02, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
4-Bromofluorobenzene (surr.)	1	%	-	70	-	-
Toluene-d8 (surr.)	1	%	-	76	-	-

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
JBS&G Suite 2			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Feb 14, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Feb 14, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Feb 14, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Melbourne	Feb 16, 2023	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Melbourne	Feb 14, 2023	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Melbourne	Feb 14, 2023	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)			
Polychlorinated Biphenyls	Melbourne	Feb 14, 2023	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8082)			
Metals M8	Melbourne	Feb 17, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
NEPM Screen for Soil Classification			
% Clay	Brisbane	Feb 16, 2023	14 Days
- Method: LTM-GEN-7040			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Melbourne	Feb 14, 2023	7 Days
- Method: LTM-INO-4030 Conductivity			
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	Melbourne	Feb 14, 2023	7 Days
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Melbourne	Feb 15, 2023	28 Days
- Method: LTM-INO-4060 Total Organic Carbon in water and soil			
Heavy Metals	Melbourne	Feb 14, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Cation Exchange Capacity	Melbourne	Feb 15, 2023	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
% Moisture	Melbourne	Feb 10, 2023	14 Days
- Method: LTM-GEN-7080 Moisture			
Eurofins Suite B8 (filtered metals)			
Volatile Organics	Melbourne	Feb 14, 2023	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices (USEPA 8260)			

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
External Laboratory																		
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**													
1	KW-B1_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023564									X	X		X	
2	KW-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023565				X	X				X				
3	KW-B1_0.0-0.5	Feb 03, 2023		Soil	M23-Fe0023566	X												
4	KW-B2_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023567									X			X	
5	KW-B2_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023568	X												
6	KW-B2_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023569			X										
7	KW-B2_0.3-	Feb 03, 2023		Soil	M23-Fe0023570									X			X	

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.4																	
8	KW-B3_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023571								X	X			X	
9	KW-B3_0.25-0.3	Feb 03, 2023		Soil	M23-Fe0023572									X			X	
10	KW-B3_0.0-0.4	Feb 03, 2023		Soil	M23-Fe0023573	X												
11	KW-B3_0.0-0.4A	Feb 03, 2023		Building Materials	M23-Fe0023574		X											
12	KW-B4_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023575				X	X				X				
13	KW-B4_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023576	X												
14	KW-B4_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023577									X			X	
15	KW-B4_0.1-	Feb 03, 2023		Soil	M23-Fe0023578	X												

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Company Name: JBS & G Australia (NSW) P/L
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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
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Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
16	KW-B4_0.1-0.3A	Feb 03, 2023		Building Materials	M23-Fe0023579		X											
17	KW-B5_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023580									X	X		X	
18	KW-B5_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023581				X	X				X				
19	KW-B5_0.1-0.4	Feb 03, 2023		Soil	M23-Fe0023582	X												
20	KW-B5_0.4-1.0	Feb 03, 2023		Soil	M23-Fe0023583	X												
21	KW-B6_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023584				X	X				X				
22	KW-B6_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023585									X			X	
23	KW-B7_0.2-	Feb 03, 2023		Soil	M23-Fe0023586									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
24	KW-B7_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023587				X	X				X				
25	KW-B7_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023588	X												
26	KW-B7_0.0-0.6A	Feb 03, 2023		Building Materials	M23-Fe0023589		X											
27	KW-B8_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023590									X			X	
28	KW-B8_0.2-0.4	Feb 03, 2023		Soil	M23-Fe0023591								X	X			X	
29	KW-B8_0.0-0.4	Feb 03, 2023		Soil	M23-Fe0023592	X												
30	MH-B1_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023594					X				X				
31	MH-B1_0.0-	Feb 03, 2023		Soil	M23-Fe0023595	X												

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
32	MH-B1_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023596								X	X			X	
33	MH-B1_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023597	X												
34	MH-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023598					X				X				
35	MH-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023599	X												
36	MH-B2_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023600					X				X				
37	MH-B2_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023601									X			X	
38	MH-B2_0.2-0.8	Feb 03, 2023		Soil	M23-Fe0023602	X												
39	MH-B3_0.0-	Feb 03, 2023		Soil	M23-Fe0023603									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
40	MH-B3_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023604					X				X				
41	MH-B3_0.8-1.0	Feb 03, 2023		Soil	M23-Fe0023605									X			X	
42	MH-B3_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023606	X												
43	MH-B3_0.8-1.0	Feb 03, 2023		Soil	M23-Fe0023607	X												
44	MH-B4_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023608									X			X	
45	MH-B4_0.6-0.7	Feb 03, 2023		Soil	M23-Fe0023609					X				X				
46	MH-B4_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023610	X												
47	MH-B5_0.0-	Feb 02, 2023		Soil	M23-Fe0023611					X				X				

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
48	MH-B5_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023612									X			X	
49	MH-B5_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023613									X			X	
50	MH-B5_0.8-0.9	Feb 02, 2023		Soil	M23-Fe0023614					X				X				
51	MH-B5_0.0-0.9	Feb 02, 2023		Soil	M23-Fe0023615	X												
52	MH-B6_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023616								X	X			X	
53	MH-B6_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023617				X	X				X	X			
54	MH-B6_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023618					X				X				
55	MH-B6_0.0-	Feb 02, 2023		Soil	M23-Fe0023619	X												

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Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.6																	
56	MH-B7_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023620				X	X				X				
57	MH-B7_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023621									X			X	
58	MH-B7_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023622									X			X	
59	MH-B7_0.0-1.0	Feb 02, 2023		Soil	M23-Fe0023623	X												
60	MH-B8_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023624				X	X				X				
61	MH-B8_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023625									X			X	
62	MH-B8_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023626					X				X				
63	MH-B8_0.1-	Feb 02, 2023		Soil	M23-Fe0023627	X												

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Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
64	MH-B8_0.3-0.5	Feb 02, 2023		Soil	M23-Fe0023628	X												
65	MH-B9_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023629				X	X				X				
66	MH-B9_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023630									X			X	
67	MH-B9_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023631									X			X	
68	MH-B9_0.0-0.5	Feb 02, 2023		Soil	M23-Fe0023632	X												
69	MH-B10_0.0-0.2	Feb 02, 2023		Soil	M23-Fe0023633									X			X	
70	MH-B10_0.0-0.2	Feb 02, 2023		Soil	M23-Fe0023634	X												
71	MH-B10_0.0-	Feb 02, 2023		Building	M23-Fe0023635		X											

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Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.2A			Materials														
72	MH-B10_0.2-0.4	Feb 02, 2023		Soil	M23-Fe0023636									X			X	
73	MH-B10_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023637					X				X				
74	MH-B10_0.2-1.0	Feb 02, 2023		Soil	M23-Fe0023638	X												
75	MH-B10_0.2-1.0A	Feb 02, 2023		Building Materials	M23-Fe0023639		X											
76	ED-B1_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023640									X	X		X	
77	ED-B1_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023641				X	X				X				
78	ED-B1_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023642					X				X				
79	ED-B1_0.0-1.0	Feb 02, 2023		Soil	M23-Fe0023643	X												
80	ED-B2_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023644				X	X				X				
81	ED-B2_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023645									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
82	ED-B2_0.0-0.3	Feb 04, 2023		Soil	M23-Fe0023646	X												
83	ED-B3_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023647									X			X	
84	ED-B3_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023648					X				X				
85	ED-B3_0.0-0.7	Feb 04, 2023		Soil	M23-Fe0023649	X												
86	ED-B4_0.1-0.2	Feb 04, 2023		Soil	M23-Fe0023650					X				X				
87	ED-B4_0.4-0.5	Feb 04, 2023		Soil	M23-Fe0023651									X			X	
88	ED-B4_0.1-0.5	Feb 04, 2023		Soil	M23-Fe0023652	X												
89	ED-B5_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023653									X			X	
90	ED-B5_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023654					X				X				
91	ED-B5_0.0-0.3	Feb 02, 2023		Soil	M23-Fe0023655	X												
92	ED-B6_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023656					X				X				
93	ED-B6_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023657									X			X	
94	ED-B6_0.1-0.3	Feb 02, 2023		Soil	M23-Fe0023658	X												
95	ED-B7_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023659									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
96	ED-B7_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023660	X												
97	ED-B7_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023661				X	X				X				
98	ED-B8_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023662				X	X				X				
99	ED-B8_0.3-0.4	Feb 04, 2023		Soil	M23-Fe0023663									X			X	
100	ED-B8_0.8-1.0	Feb 04, 2023		Soil	M23-Fe0023665									X			X	
101	ED-B8_0.0-0.6	Feb 04, 2023		Soil	M23-Fe0023666	X												
102	ED-B9_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023667				X	X				X				
103	ED-B9_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023668	X												
104	ED-B9_0.1-0.2	Feb 04, 2023		Soil	M23-Fe0023669									X			X	
105	ED-B9_0.1-0.5	Feb 04, 2023		Soil	M23-Fe0023670	X												
106	GW01	Feb 05, 2023		Water	M23-Fe0023671							X				X		X
107	GW02	Feb 05, 2023		Water	M23-Fe0023672							X				X		X
108	GW03	Feb 05, 2023		Water	M23-Fe0023673							X				X		X
109	DUP01	Feb 02, 2023		Soil	M23-Fe0023674									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
110	DUP02	Feb 02, 2023		Soil	M23-Fe0023675				X	X				X				
111	DUP03	Feb 03, 2023		Soil	M23-Fe0023676									X			X	
112	DUP04	Feb 03, 2023		Soil	M23-Fe0023677									X			X	
113	DUP06	Feb 03, 2023		Soil	M23-Fe0023678								X	X			X	
114	DUP01	Feb 05, 2023		Water	M23-Fe0023679											X		X
115	Sspk3973	Not Provided		Soil	M23-Fe0023680						X							
116	Wsp8872	Not Provided		Water	M23-Fe0023681						X							
117	WTB01	Feb 05, 2023		Water	M23-Fe0023682						X							
118	STB01	Feb 05, 2023		Water	M23-Fe0023683						X							
119	KW-B1_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023684			X										
120	KW-B2_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023685	X												
121	KW-B3_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023686			X										

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
122	KW-B3_0.3-0.4	Feb 03, 2023		Soil	M23-Fe0023687			X										
123	KW-B3_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023688			X										
124	KW-B4_0.3-0.4	Feb 03, 2023		Soil	M23-Fe0023689			X										
125	KW-B5_0.9-1.0	Feb 03, 2023		Soil	M23-Fe0023691			X										
126	KW-B6_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023692			X										
127	KW-B6_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023693			X										
128	KW-B7_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023694			X										
129	MH-B2_0.8-0.9	Feb 03, 2023		Soil	M23-Fe0023695			X										

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Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
130	MH-B2_1.4-1.5	Feb 03, 2023		Soil	M23-Fe0023696			X										
131	MH-B3_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023697			X										
132	MH-B6_0.6-0.7	Feb 02, 2023		Soil	M23-Fe0023698			X										
133	MH-B7_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023699			X										
134	MH-B7_1.1-1.2	Feb 02, 2023		Soil	M23-Fe0023700			X										
135	MH-B8_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023701			X										
136	MH-B9_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023702			X										
137	MH-B10_1.0-1.1	Feb 02, 2023		Soil	M23-Fe0023703			X										

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Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
138	MH-B10_1.4-1.5	Feb 02, 2023		Soil	M23-Fe0023704			X										
139	ED-B1_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023705			X										
140	ED-B1_1.4-1.5	Feb 02, 2023		Soil	M23-Fe0023706			X										
141	ED-B1_1.9-2.0	Feb 02, 2023		Soil	M23-Fe0023707			X										
142	ED-B2_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023708			X										
143	ED-B3_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023709			X										
144	ED-B3_0.7-0.8	Feb 04, 2023		Soil	M23-Fe0023710			X										
145	ED-B4_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023711			X										
146	ED-B5_0.3-0.4	Feb 02, 2023		Soil	M23-Fe0023712			X										
147	ED-B5_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023713			X										
148	ED-B6_0.3-0.4	Feb 02, 2023		Soil	M23-Fe0023714			X										
149	ED-B6_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023715			X										
150	ED-B7_0.3-0.4	Feb 04, 2023		Soil	M23-Fe0023716			X										

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
151	ED-B7_0.5-0.65	Feb 04, 2023		Soil	M23-Fe0023717			X										
152	ED-B9_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023718			X										
153	DUP05	Feb 03, 2023		Soil	M23-Fe0023719			X										
154	DUP07	Feb 04, 2023		Soil	M23-Fe0023720			X										
155	DUP08	Feb 04, 2023		Soil	M23-Fe0023721			X										
156	WRB01	Not Provided		Water	M23-Fe0023722												X	
157	SRB01	Not Provided		Water	M23-Fe0023723												X	
158	SRB02	Not Provided		Water	M23-Fe0023724			X										
159	SRB03	Not Provided		Water	M23-Fe0023725			X										
160	ED_B6_0.3-1.0	Not Provided		Soil	M23-Fe0023726			X										
161	KW_B8_0.4-0.5	Not Provided		Building Materials	M23-Fe0023727			X										
162	UNLABELLED	Not Provided		Building	M23-Fe0023728			X										

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	ASB BAG			Materials														
163	MH_B4_0.4-0.5	Not Provided		Soil	M23-Fe0023729			X										
164	KW_B2_0.5-0.7	Not Provided		Soil	M23-Fe0024121			X										
165	ED-B8_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0024143					X				X				
Test Counts						35	5	44	15	31	4	3	5	71	4	4	42	4

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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 follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

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

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

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. 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/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
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							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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							
Total Organic Carbon	%	< 0.1			0.1	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Iron	mg/kg	< 20			20	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.05			0.05	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Benzene	mg/kg	< 0.1			0.1	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	93			70-130	Pass	
TRH C10-C14	%	103			70-130	Pass	
TRH C6-C10	%	92			70-130	Pass	
TRH >C10-C16	%	104			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	90			70-130	Pass	
Toluene	%	89			70-130	Pass	
Ethylbenzene	%	89			70-130	Pass	
m&p-Xylenes	%	94			70-130	Pass	
Xylenes - Total*	%	92			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	96			70-130	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	103			70-130	Pass	
Acenaphthylene	%	98			70-130	Pass	
Anthracene	%	91			70-130	Pass	
Benz(a)anthracene	%	113			70-130	Pass	
Benzo(a)pyrene	%	93			70-130	Pass	
Benzo(b&j)fluoranthene	%	100			70-130	Pass	
Benzo(g.h.i)perylene	%	103			70-130	Pass	
Benzo(k)fluoranthene	%	106			70-130	Pass	
Chrysene	%	118			70-130	Pass	
Dibenz(a.h)anthracene	%	72			70-130	Pass	
Fluoranthene	%	89			70-130	Pass	
Fluorene	%	97			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	86			70-130	Pass	
Naphthalene	%	130			70-130	Pass	
Phenanthrene	%	84			70-130	Pass	
Pyrene	%	101			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	105			70-130	Pass	
4.4'-DDD	%	124			70-130	Pass	
4.4'-DDE	%	124			70-130	Pass	
4.4'-DDT	%	79			70-130	Pass	
a-HCH	%	106			70-130	Pass	
Aldrin	%	127			70-130	Pass	
b-HCH	%	79			70-130	Pass	
d-HCH	%	97			70-130	Pass	
Dieldrin	%	93			70-130	Pass	
Endosulfan I	%	112			70-130	Pass	
Endosulfan II	%	111			70-130	Pass	
Endosulfan sulphate	%	96			70-130	Pass	
Endrin	%	102			70-130	Pass	
Endrin aldehyde	%	117			70-130	Pass	
Endrin ketone	%	109			70-130	Pass	
g-HCH (Lindane)	%	115			70-130	Pass	
Heptachlor	%	92			70-130	Pass	
Heptachlor epoxide	%	97			70-130	Pass	
Hexachlorobenzene	%	125			70-130	Pass	
Methoxychlor	%	80			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1260	%	87			70-130	Pass	
LCS - % Recovery							
% Clay	%	90			70-130	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	95			70-130	Pass	
Total Organic Carbon	%	94			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	82			80-120	Pass	
Cadmium	%	105			80-120	Pass	
Chromium	%	89			80-120	Pass	
Copper	%	86			80-120	Pass	
Iron	%	97			80-120	Pass	
Lead	%	85			80-120	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Mercury			%	105			80-120	Pass	
Nickel			%	85			80-120	Pass	
Zinc			%	89			80-120	Pass	
LCS - % Recovery									
Volatile Organics									
1.1-Dichloroethene			%	75			70-130	Pass	
1.1.1-Trichloroethane			%	77			70-130	Pass	
1.2-Dichlorobenzene			%	91			70-130	Pass	
1.2-Dichloroethane			%	89			70-130	Pass	
Trichloroethene			%	82			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M23-Fe0028227	NCP	%	78			70-130	Pass	
4.4'-DDD	M23-Fe0028227	NCP	%	97			70-130	Pass	
4.4'-DDE	M23-Fe0028227	NCP	%	86			70-130	Pass	
4.4'-DDT	M23-Fe0028227	NCP	%	72			70-130	Pass	
a-HCH	M23-Fe0028227	NCP	%	87			70-130	Pass	
Aldrin	M23-Fe0028227	NCP	%	78			70-130	Pass	
b-HCH	M23-Fe0028227	NCP	%	92			70-130	Pass	
d-HCH	M23-Fe0028227	NCP	%	84			70-130	Pass	
Dieldrin	M23-Fe0028227	NCP	%	80			70-130	Pass	
Endosulfan I	M23-Fe0028227	NCP	%	89			70-130	Pass	
Endosulfan II	M23-Fe0028227	NCP	%	94			70-130	Pass	
Endosulfan sulphate	M23-Fe0028227	NCP	%	75			70-130	Pass	
Endrin	M23-Fe0028227	NCP	%	89			70-130	Pass	
Endrin aldehyde	M23-Fe0028227	NCP	%	82			70-130	Pass	
Endrin ketone	M23-Fe0028227	NCP	%	95			70-130	Pass	
g-HCH (Lindane)	M23-Fe0028227	NCP	%	86			70-130	Pass	
Heptachlor	M23-Fe0028227	NCP	%	80			70-130	Pass	
Heptachlor epoxide	M23-Fe0028227	NCP	%	71			70-130	Pass	
Hexachlorobenzene	M23-Fe0028227	NCP	%	81			70-130	Pass	
Methoxychlor	M23-Fe0028227	NCP	%	79			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	M23-Fe0031570	NCP	%	86			70-130	Pass	
Aroclor-1260	M23-Fe0031570	NCP	%	79			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Iron	M23-Fe0021198	NCP	%	102			75-125	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	M23-Fe0021421	NCP	%	84			70-130	Pass	
1.1.1-Trichloroethane	M23-Fe0021421	NCP	%	81			70-130	Pass	
1.2-Dichlorobenzene	M23-Fe0021421	NCP	%	91			70-130	Pass	
1.2-Dichloroethane	M23-Fe0021421	NCP	%	92			70-130	Pass	
Trichloroethene	M23-Fe0021421	NCP	%	85			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	M23-Fe0023580	CP	%	106			70-130	Pass	
TRH >C10-C16	M23-Fe0023580	CP	%	108			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M23-Fe0023594	CP	%	111			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Cadmium	M23-Fe0023594	CP	%	108			75-125	Pass	
Chromium	M23-Fe0023594	CP	%	109			75-125	Pass	
Copper	M23-Fe0023594	CP	%	112			75-125	Pass	
Lead	M23-Fe0023594	CP	%	123			75-125	Pass	
Mercury	M23-Fe0023594	CP	%	116			75-125	Pass	
Nickel	M23-Fe0023594	CP	%	107			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M23-Fe0023611	CP	%	110			75-125	Pass	
Cadmium	M23-Fe0023611	CP	%	108			75-125	Pass	
Chromium	M23-Fe0023611	CP	%	122			75-125	Pass	
Copper	M23-Fe0023611	CP	%	109			75-125	Pass	
Lead	M23-Fe0023611	CP	%	111			75-125	Pass	
Mercury	M23-Fe0023611	CP	%	122			75-125	Pass	
Nickel	M23-Fe0023611	CP	%	118			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	M23-Fe0023640	CP	%	81			70-130	Pass	
TRH >C10-C16	M23-Fe0023640	CP	%	96			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	M23-Fe0023665	CP	%	85			70-130	Pass	
TRH C6-C10	M23-Fe0023665	CP	%	85			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	M23-Fe0023665	CP	%	74			70-130	Pass	
Toluene	M23-Fe0023665	CP	%	80			70-130	Pass	
Ethylbenzene	M23-Fe0023665	CP	%	84			70-130	Pass	
m&p-Xylenes	M23-Fe0023665	CP	%	94			70-130	Pass	
o-Xylene	M23-Fe0023665	CP	%	85			70-130	Pass	
Xylenes - Total*	M23-Fe0023665	CP	%	91			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	M23-Fe0023665	CP	%	91			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M23-Fe0023675	CP	%	108			75-125	Pass	
Cadmium	M23-Fe0023675	CP	%	106			75-125	Pass	
Chromium	M23-Fe0023675	CP	%	109			75-125	Pass	
Copper	M23-Fe0023675	CP	%	126			75-125	Fail	Q08
Lead	M23-Fe0023675	CP	%	114			75-125	Pass	
Mercury	M23-Fe0023675	CP	%	100			75-125	Pass	
Nickel	M23-Fe0023675	CP	%	104			75-125	Pass	
Zinc	M23-Fe0023675	CP	%	102			75-125	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	M23-Fe0023676	CP	%	119			70-130	Pass	
Acenaphthylene	M23-Fe0023676	CP	%	98			70-130	Pass	
Anthracene	M23-Fe0023676	CP	%	82			70-130	Pass	
Benz(a)anthracene	M23-Fe0023676	CP	%	77			70-130	Pass	
Benzo(a)pyrene	M23-Fe0023676	CP	%	110			70-130	Pass	
Benzo(b&j)fluoranthene	M23-Fe0023676	CP	%	79			70-130	Pass	
Benzo(g.h.i)perylene	M23-Fe0023676	CP	%	91			70-130	Pass	
Benzo(k)fluoranthene	M23-Fe0023676	CP	%	114			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chrysene	M23-Fe0023676	CP	%	118			70-130	Pass	
Dibenz(a.h)anthracene	M23-Fe0023676	CP	%	91			70-130	Pass	
Fluoranthene	M23-Fe0023676	CP	%	81			70-130	Pass	
Fluorene	M23-Fe0023676	CP	%	92			70-130	Pass	
Indeno(1.2.3-cd)pyrene	M23-Fe0023676	CP	%	104			70-130	Pass	
Naphthalene	M23-Fe0023676	CP	%	120			70-130	Pass	
Phenanthrene	M23-Fe0023676	CP	%	78			70-130	Pass	
Pyrene	M23-Fe0023676	CP	%	84			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	M23-Ja0033651	NCP	uS/cm	21	21	<1	30%	Pass	
% Moisture	B23-Fe0018622	NCP	%	23	23	<1	30%	Pass	
Duplicate									
Cation Exchange Capacity				Result 1	Result 2	RPD			
Cation Exchange Capacity	M23-Fe0027652	NCP	meq/100g	7.6	7.5	1.5	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M23-Fe0023570	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	M23-Fe0023570	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M23-Fe0023570	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	M23-Fe0023570	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	M23-Fe0023570	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	M23-Fe0023570	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	M23-Fe0023570	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	M23-Fe0023570	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	M23-Fe0023570	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Allyl chloride	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	M23-Fe0030804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	M23-Fe0023577	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	M23-Fe0023577	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	M23-Fe0023577	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	M23-Fe0023577	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	M23-Fe0023577	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	M23-Fe0023577	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M23-Fe0023577	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M23-Fe0023577	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	M23-Fe0023577	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Iron (%)	M23-Fe0022604	NCP	%	4.3	4.2	2.3	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Fe0023591	CP	mg/kg	5.0	5.1	1.3	30%	Pass	
Cadmium	M23-Fe0023591	CP	mg/kg	1.0	1.1	3.6	30%	Pass	
Chromium	M23-Fe0023591	CP	mg/kg	21	22	5.1	30%	Pass	
Copper	M23-Fe0023591	CP	mg/kg	23	24	2.3	30%	Pass	
Iron	M23-Fe0023591	CP	mg/kg	23000	24000	4.6	30%	Pass	
Lead	M23-Fe0023591	CP	mg/kg	250	250	2.5	30%	Pass	
Mercury	M23-Fe0023591	CP	mg/kg	0.1	0.1	14	30%	Pass	
Nickel	M23-Fe0023591	CP	mg/kg	13	13	4.3	30%	Pass	
Zinc	M23-Fe0023591	CP	mg/kg	490	510	2.7	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Fe0023594	CP	mg/kg	3.5	3.5	<1	30%	Pass	
Cadmium	M23-Fe0023594	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	M23-Fe0023594	CP	mg/kg	26	27	2.2	30%	Pass	
Copper	M23-Fe0023594	CP	mg/kg	23	24	1.1	30%	Pass	
Iron	M23-Fe0023594	CP	mg/kg	18000	18000	2.3	30%	Pass	
Lead	M23-Fe0023594	CP	mg/kg	42	43	<1	30%	Pass	
Mercury	M23-Fe0023594	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Nickel	M23-Fe0023594	CP	mg/kg	14	14	1.3	30%	Pass	
Zinc	M23-Fe0023594	CP	mg/kg	120	120	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M23-Fe0023601	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	M23-Fe0023601	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M23-Fe0023601	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	M23-Fe0023601	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	M23-Fe0023601	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	M23-Fe0023601	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	M23-Fe0023601	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	M23-Fe0023601	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	M23-Fe0023601	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M23-Fe0023603	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	M23-Fe0023603	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M23-Fe0023603	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	M23-Fe0023603	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	M23-Fe0023603	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	M23-Fe0023603	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	M23-Fe0023603	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	M23-Fe0023603	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	M23-Fe0023603	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Fe0023609	CP	mg/kg	11	11	1.2	30%	Pass	
Cadmium	M23-Fe0023609	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	M23-Fe0023609	CP	mg/kg	28	30	4.6	30%	Pass	
Copper	M23-Fe0023609	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Iron	M23-Fe0023609	CP	mg/kg	25000	26000	4.1	30%	Pass	
Lead	M23-Fe0023609	CP	mg/kg	11	12	2.5	30%	Pass	
Mercury	M23-Fe0023609	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	M23-Fe0023609	CP	mg/kg	15	16	2.8	30%	Pass	
Zinc	M23-Fe0023609	CP	mg/kg	61	64	4.8	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Fe0023611	CP	mg/kg	32	31	1.0	30%	Pass	
Cadmium	M23-Fe0023611	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	M23-Fe0023611	CP	mg/kg	19	19	<1	30%	Pass	
Copper	M23-Fe0023611	CP	mg/kg	42	42	<1	30%	Pass	
Iron	M23-Fe0023611	CP	mg/kg	22000	22000	1.1	30%	Pass	
Lead	M23-Fe0023611	CP	mg/kg	24	24	<1	30%	Pass	
Mercury	M23-Fe0023611	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	M23-Fe0023611	CP	mg/kg	24	24	<1	30%	Pass	
Zinc	M23-Fe0023611	CP	mg/kg	59	59	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
Total Organic Carbon	M23-Fe0023617	CP	%	0.4	< 0.1	200	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
Total Organic Carbon	M23-Fe0023640	CP	%	0.3	0.8	88	30%	Fail	Q15
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M23-Fe0023663	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	M23-Fe0023663	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M23-Fe0023663	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	M23-Fe0023663	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	M23-Fe0023663	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	M23-Fe0023663	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	M23-Fe0023663	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	M23-Fe0023663	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	M23-Fe0023663	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	M23-Fe0023669	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	M23-Fe0023669	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	M23-Fe0023669	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	M23-Fe0023669	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	M23-Fe0023669	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	M23-Fe0023669	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
d-HCH	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M23-Fe0023669	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M23-Fe0023669	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	M23-Fe0023669	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Fe0023675	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Cadmium	M23-Fe0023675	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	M23-Fe0023675	CP	mg/kg	11	11	2.9	30%	Pass	
Copper	M23-Fe0023675	CP	mg/kg	51	51	1.7	30%	Pass	
Iron	M23-Fe0023675	CP	mg/kg	18000	19000	2.9	30%	Pass	
Lead	M23-Fe0023675	CP	mg/kg	10.0	10	2.0	30%	Pass	
Mercury	M23-Fe0023675	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	M23-Fe0023675	CP	mg/kg	7.1	7.2	1.2	30%	Pass	
Zinc	M23-Fe0023675	CP	mg/kg	18	19	2.6	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	N/A
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
I12	Where sampling date has not been provided, Eurofins | Environment Testing is not able to determine whether analysis has been performed within recommended holding times.
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Adam Bateup	Analytical Services Manager
Sayeed Abu	Senior Analyst-Asbestos
Chamath JHM Annakkage	Senior Analyst-Asbestos
Joseph Edouard	Senior Analyst-Volatile
Mary Makarios	Senior Analyst-Metal
Linda Chouman	Senior Analyst-Sample Properties
Rhys Thomas	Senior Analyst-Asbestos
Joseph Edouard	Senior Analyst-Organic
Edward Lee	Senior Analyst-Organic
Jonathon Angell	Senior Analyst-Inorganic
Harry Bacalis	Senior Analyst-Volatile
Scott Beddoes	Senior Analyst-Inorganic
Carroll Lee	Senior Analyst-Volatile

Glenn Jackson
General Manager

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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NATA Accredited
Accreditation Number 1261
Site Number 1254

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Attention: **Mitch Hodgins**

Report **962621-W**
Project name BHHR
Project ID 63879
Received Date Feb 09, 2023

Client Sample ID			**GW01**	**GW02**	**GW03**	**DUP01**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
Eurofins Sample No.			**M23-Fe0023671**	**M23-Fe0023672**	**M23-Fe0023673**	**M23-Fe0023679**
Date Sampled			**Feb 05, 2023**	**Feb 05, 2023**	**Feb 05, 2023**	**Feb 05, 2023**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	0.09	< 0.04	0.22
TRH C10-C14	0.05	mg/L	< 0.05	0.11	0.12	0.13
TRH C15-C28	0.1	mg/L	< 0.1	0.1	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	0.21	0.12	0.13
TRH C6-C10	0.02	mg/L	< 0.02	0.10	< 0.04	0.21
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	0.06	< 0.04	0.05
TRH >C10-C16	0.05	mg/L	< 0.05	0.09	0.07	0.07
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	0.09	0.07	0.07
TRH >C16-C34	0.1	mg/L	< 0.1	0.1	0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	0.19	0.17	< 0.1
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	0.014	0.27
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.002	0.062
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
2-Propanone (Acetone)	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002

Client Sample ID			GW01	GW02	GW03	DUP01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			M23-Fe0023671	M23-Fe0023672	M23-Fe0023673	M23-Fe0023679
Date Sampled			Feb 05, 2023	Feb 05, 2023	Feb 05, 2023	Feb 05, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Bromoform	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Bromomethane	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	0.002	0.045
Chloroethane	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
Chloroform	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Iodomethane	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.004	< 0.004
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Styrene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Toluene	0.001	mg/L	0.006	0.040	0.007	0.16
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.002	< 0.002
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	< 0.01	< 0.01
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.006	< 0.006
Total MAH*	0.003	mg/L	0.006	0.04	0.007	0.16
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	0.016	0.377
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	0.016	0.377
4-Bromofluorobenzene (surr.)	1	%	106	109	115	102
Toluene-d8 (surr.)	1	%	98	101	108	108
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.02	< 0.02
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001

Client Sample ID			GW01	GW02	GW03	DUP01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			M23-Fe0023671	M23-Fe0023672	M23-Fe0023673	M23-Fe0023679
Date Sampled			Feb 05, 2023	Feb 05, 2023	Feb 05, 2023	Feb 05, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Fluorobiphenyl (surr.)	1	%	54	65	71	56
p-Terphenyl-d14 (surr.)	1	%	63	76	93	62
Hardness mg equivalent CaCO3/L	5	mg/L	740	580	380	-
Alkali Metals						
Calcium	0.5	mg/L	110	110	67	-
Magnesium	0.5	mg/L	110	72	53	-
Heavy Metals						
Arsenic (filtered)	0.001	mg/L	< 0.001	0.003	< 0.001	< 0.001
Cadmium (filtered)	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Chromium (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Copper (filtered)	0.001	mg/L	0.017	0.085	0.008	0.008
Lead (filtered)	0.001	mg/L	< 0.001	0.002	< 0.001	< 0.001
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel (filtered)	0.001	mg/L	0.017	0.20	0.012	0.012
Zinc (filtered)	0.005	mg/L	0.076	0.98	0.082	0.081
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	0.05	< 0.05	< 0.05	< 0.05
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	0.02	< 0.01	< 0.01	< 0.01
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	[N09]0.01	< 0.01	< 0.01	< 0.01
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C4-PFBA (surr.)	1	%	62	91	73	75
13C5-PFPeA (surr.)	1	%	77	93	88	87
13C5-PFHxA (surr.)	1	%	84	97	94	99
13C4-PFHpA (surr.)	1	%	84	94	89	94
13C8-PFOA (surr.)	1	%	106	108	107	109
13C5-PFNA (surr.)	1	%	108	116	118	114
13C6-PFDA (surr.)	1	%	89	92	97	90
13C2-PFUnDA (surr.)	1	%	79	86	86	95
13C2-PFDoDA (surr.)	1	%	75	87	101	99
13C2-PFTeDA (surr.)	1	%	57	65	84	95

Client Sample ID			GW01	GW02	GW03	DUP01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			M23-Fe0023671	M23-Fe0023672	M23-Fe0023673	M23-Fe0023679
Date Sampled			Feb 05, 2023	Feb 05, 2023	Feb 05, 2023	Feb 05, 2023
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C8-FOSA (surr.)	1	%	112	100	111	115
D3-N-MeFOSA (surr.)	1	%	89	104	104	125
D5-N-EtFOSA (surr.)	1	%	90	104	120	134
D7-N-MeFOSE (surr.)	1	%	64	72	74	99
D9-N-EtFOSE (surr.)	1	%	77	96	107	120
D5-N-EtFOSAA (surr.)	1	%	54	59	69	63
D3-N-MeFOSAA (surr.)	1	%	55	68	71	75
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	0.03	0.01	< 0.01	< 0.01
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	0.01	< 0.01	< 0.01	< 0.01
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	[N09]0.01	< 0.01	< 0.01	< 0.01
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	[N09]0.07	[N09]0.04	[N09]0.02	[N09]0.03
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	[N09]0.07	[N09]0.04	[N09]0.13	[N09]0.28
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C3-PFBS (surr.)	1	%	90	97	100	100
18O2-PFHxS (surr.)	1	%	93	96	98	98
13C8-PFOS (surr.)	1	%	105	119	117	119
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C2-4:2 FTSA (surr.)	1	%	92	112	99	103
13C2-6:2 FTSA (surr.)	1	%	76	104	83	95
13C2-8:2 FTSA (surr.)	1	%	120	124	115	133
13C2-10:2 FTSA (surr.)	1	%	44	54	68	66
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	0.14	0.08	0.15	0.31
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	0.08	0.04	0.13	0.28
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	0.15	0.08	0.15	0.31
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	0.25	0.09	0.15	0.31
Sum of PFASs (n=30)*	0.1	ug/L	0.27	< 0.1	0.15	0.31

Client Sample ID			Wsp8872	WTB01	STB01	WRB01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			M23-Fe0023681	M23-Fe0023682	M23-Fe0023683	M23-Fe0023722
Date Sampled			Not Provided[I12]	Feb 05, 2023	Feb 05, 2023	Not Provided[I12]
Test/Reference	LOR	Unit				
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
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
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	-	-	-	< 0.01
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
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	%	-	-	-	56
p-Terphenyl-d14 (surr.)	1	%	-	-	-	68
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
BTEX						
Benzene	0.001	mg/L	75	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	67	< 0.001	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	60	< 0.001	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	57	< 0.002	< 0.002	< 0.002

Client Sample ID			Wsp8872	WTB01	STB01	WRB01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			M23-Fe0023681	M23-Fe0023682	M23-Fe0023683	M23-Fe0023722
Date Sampled			Not Provided[I12]	Feb 05, 2023	Feb 05, 2023	Not Provided[I12]
Test/Reference	LOR	Unit				
BTEX						
o-Xylene	0.001	mg/L	71	< 0.001	< 0.001	< 0.001
Xylenes - Total*	0.003	mg/L	62	< 0.003	< 0.003	< 0.003
4-Bromofluorobenzene (surr.)	1	%	103	103	101	105
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
Dibutylchlorendate (surr.)	1	%	-	-	-	50
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	67
Polychlorinated Biphenyls						
Aroclor-1016	0.005	mg/L	-	-	-	< 0.005
Aroclor-1221	0.005	mg/L	-	-	-	< 0.005
Aroclor-1232	0.005	mg/L	-	-	-	< 0.005
Aroclor-1242	0.005	mg/L	-	-	-	< 0.005
Aroclor-1248	0.005	mg/L	-	-	-	< 0.005
Aroclor-1254	0.005	mg/L	-	-	-	< 0.005
Aroclor-1260	0.005	mg/L	-	-	-	< 0.005
Total PCB*	0.005	mg/L	-	-	-	< 0.005
Dibutylchlorendate (surr.)	1	%	-	-	-	50
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	67

Client Sample ID			SRB01
Sample Matrix			Water
Eurofins Sample No.			M23-Fe0023723
Date Sampled			Not Provided[I12]
Test/Reference	LOR	Unit	
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
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
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene[N02]	0.01	mg/L	< 0.01
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
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	%	58
p-Terphenyl-d14 (surr.)	1	%	73
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
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

Client Sample ID			SRB01
Sample Matrix			Water
Eurofins Sample No.			M23-Fe0023723
Date Sampled			Not Provided[I12]
Test/Reference	LOR	Unit	
BTEX			
o-Xylene	0.001	mg/L	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003
4-Bromofluorobenzene (surr.)	1	%	83
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
Dibutylchlorendate (surr.)	1	%	94
Tetrachloro-m-xylene (surr.)	1	%	72
Polychlorinated Biphenyls			
Aroclor-1016	0.005	mg/L	< 0.005
Aroclor-1221	0.005	mg/L	< 0.005
Aroclor-1232	0.005	mg/L	< 0.005
Aroclor-1242	0.005	mg/L	< 0.005
Aroclor-1248	0.005	mg/L	< 0.005
Aroclor-1254	0.005	mg/L	< 0.005
Aroclor-1260	0.005	mg/L	< 0.005
Total PCB*	0.005	mg/L	< 0.005
Dibutylchlorendate (surr.)	1	%	94
Tetrachloro-m-xylene (surr.)	1	%	72

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
JBS&G Suite 2			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Feb 15, 2023	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Feb 15, 2023	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Feb 15, 2023	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Melbourne	Feb 15, 2023	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Melbourne	Feb 15, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
BTEX	Melbourne	Feb 15, 2023	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Organochlorine Pesticides	Melbourne	Feb 15, 2023	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)			
Polychlorinated Biphenyls	Melbourne	Feb 15, 2023	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8082)			
Eurofins Suite B8 (filtered metals)			
Volatile Organics	Melbourne	Feb 13, 2023	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices (USEPA 8260)			
Metals M8 filtered	Melbourne	Feb 13, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Hardness Set			
Hardness mg equivalent CaCO3/L	Melbourne	Feb 13, 2023	28 Days
- Method: APHA 2340B Hardness by Calculation			
Alkali Metals	Melbourne	Feb 13, 2023	180 Days
- Method: LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Melbourne	Feb 13, 2023	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Melbourne	Feb 13, 2023	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Melbourne	Feb 13, 2023	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Melbourne	Feb 13, 2023	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Melbourne	Feb 10, 2023	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
External Laboratory																		
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**													
1	KW-B1_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023564									X	X		X	
2	KW-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023565				X	X				X				
3	KW-B1_0.0-0.5	Feb 03, 2023		Soil	M23-Fe0023566	X												
4	KW-B2_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023567									X			X	
5	KW-B2_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023568	X												
6	KW-B2_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023569			X										
7	KW-B2_0.3-	Feb 03, 2023		Soil	M23-Fe0023570									X			X	

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Report #: 962621
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Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.4																	
8	KW-B3_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023571								X	X			X	
9	KW-B3_0.25-0.3	Feb 03, 2023		Soil	M23-Fe0023572									X			X	
10	KW-B3_0.0-0.4	Feb 03, 2023		Soil	M23-Fe0023573	X												
11	KW-B3_0.0-0.4A	Feb 03, 2023		Building Materials	M23-Fe0023574		X											
12	KW-B4_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023575				X	X				X				
13	KW-B4_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023576	X												
14	KW-B4_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023577									X			X	
15	KW-B4_0.1-	Feb 03, 2023		Soil	M23-Fe0023578	X												

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Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
16	KW-B4_0.1-0.3A	Feb 03, 2023		Building Materials	M23-Fe0023579		X											
17	KW-B5_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023580									X	X		X	
18	KW-B5_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023581				X	X				X				
19	KW-B5_0.1-0.4	Feb 03, 2023		Soil	M23-Fe0023582	X												
20	KW-B5_0.4-1.0	Feb 03, 2023		Soil	M23-Fe0023583	X												
21	KW-B6_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023584				X	X				X				
22	KW-B6_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023585									X			X	
23	KW-B7_0.2-	Feb 03, 2023		Soil	M23-Fe0023586									X			X	

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Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
24	KW-B7_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023587				X	X				X				
25	KW-B7_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023588	X												
26	KW-B7_0.0-0.6A	Feb 03, 2023		Building Materials	M23-Fe0023589		X											
27	KW-B8_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023590									X			X	
28	KW-B8_0.2-0.4	Feb 03, 2023		Soil	M23-Fe0023591								X	X			X	
29	KW-B8_0.0-0.4	Feb 03, 2023		Soil	M23-Fe0023592	X												
30	MH-B1_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023594					X				X				
31	MH-B1_0.0-	Feb 03, 2023		Soil	M23-Fe0023595	X												

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
32	MH-B1_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023596								X	X			X	
33	MH-B1_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023597	X												
34	MH-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023598					X				X				
35	MH-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023599	X												
36	MH-B2_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023600					X				X				
37	MH-B2_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023601									X			X	
38	MH-B2_0.2-0.8	Feb 03, 2023		Soil	M23-Fe0023602	X												
39	MH-B3_0.0-	Feb 03, 2023		Soil	M23-Fe0023603									X			X	

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
40	MH-B3_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023604					X				X				
41	MH-B3_0.8-1.0	Feb 03, 2023		Soil	M23-Fe0023605									X			X	
42	MH-B3_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023606	X												
43	MH-B3_0.8-1.0	Feb 03, 2023		Soil	M23-Fe0023607	X												
44	MH-B4_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023608									X			X	
45	MH-B4_0.6-0.7	Feb 03, 2023		Soil	M23-Fe0023609					X				X				
46	MH-B4_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023610	X												
47	MH-B5_0.0-	Feb 02, 2023		Soil	M23-Fe0023611					X				X				

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
48	MH-B5_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023612									X			X	
49	MH-B5_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023613									X			X	
50	MH-B5_0.8-0.9	Feb 02, 2023		Soil	M23-Fe0023614					X				X				
51	MH-B5_0.0-0.9	Feb 02, 2023		Soil	M23-Fe0023615	X												
52	MH-B6_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023616								X	X			X	
53	MH-B6_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023617				X	X				X	X			
54	MH-B6_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023618					X				X				
55	MH-B6_0.0-	Feb 02, 2023		Soil	M23-Fe0023619	X												

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.6																	
56	MH-B7_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023620				X	X				X				
57	MH-B7_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023621									X			X	
58	MH-B7_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023622									X			X	
59	MH-B7_0.0-1.0	Feb 02, 2023		Soil	M23-Fe0023623	X												
60	MH-B8_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023624				X	X				X				
61	MH-B8_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023625									X			X	
62	MH-B8_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023626					X				X				
63	MH-B8_0.1-	Feb 02, 2023		Soil	M23-Fe0023627	X												

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
64	MH-B8_0.3-0.5	Feb 02, 2023		Soil	M23-Fe0023628	X												
65	MH-B9_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023629				X	X				X				
66	MH-B9_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023630									X			X	
67	MH-B9_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023631									X			X	
68	MH-B9_0.0-0.5	Feb 02, 2023		Soil	M23-Fe0023632	X												
69	MH-B10_0.0-0.2	Feb 02, 2023		Soil	M23-Fe0023633									X			X	
70	MH-B10_0.0-0.2	Feb 02, 2023		Soil	M23-Fe0023634	X												
71	MH-B10_0.0-	Feb 02, 2023		Building	M23-Fe0023635		X											

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.2A			Materials														
72	MH-B10_0.2-0.4	Feb 02, 2023		Soil	M23-Fe0023636									X			X	
73	MH-B10_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023637					X				X				
74	MH-B10_0.2-1.0	Feb 02, 2023		Soil	M23-Fe0023638	X												
75	MH-B10_0.2-1.0A	Feb 02, 2023		Building Materials	M23-Fe0023639		X											
76	ED-B1_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023640									X	X		X	
77	ED-B1_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023641				X	X				X				
78	ED-B1_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023642					X				X				
79	ED-B1_0.0-1.0	Feb 02, 2023		Soil	M23-Fe0023643	X												
80	ED-B2_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023644				X	X				X				
81	ED-B2_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023645									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
82	ED-B2_0.0-0.3	Feb 04, 2023		Soil	M23-Fe0023646	X												
83	ED-B3_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023647									X			X	
84	ED-B3_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023648					X				X				
85	ED-B3_0.0-0.7	Feb 04, 2023		Soil	M23-Fe0023649	X												
86	ED-B4_0.1-0.2	Feb 04, 2023		Soil	M23-Fe0023650					X				X				
87	ED-B4_0.4-0.5	Feb 04, 2023		Soil	M23-Fe0023651									X			X	
88	ED-B4_0.1-0.5	Feb 04, 2023		Soil	M23-Fe0023652	X												
89	ED-B5_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023653									X			X	
90	ED-B5_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023654					X				X				
91	ED-B5_0.0-0.3	Feb 02, 2023		Soil	M23-Fe0023655	X												
92	ED-B6_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023656					X				X				
93	ED-B6_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023657									X			X	
94	ED-B6_0.1-0.3	Feb 02, 2023		Soil	M23-Fe0023658	X												
95	ED-B7_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023659									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
96	ED-B7_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023660	X												
97	ED-B7_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023661				X	X				X				
98	ED-B8_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023662				X	X				X				
99	ED-B8_0.3-0.4	Feb 04, 2023		Soil	M23-Fe0023663									X			X	
100	ED-B8_0.8-1.0	Feb 04, 2023		Soil	M23-Fe0023665									X			X	
101	ED-B8_0.0-0.6	Feb 04, 2023		Soil	M23-Fe0023666	X												
102	ED-B9_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023667				X	X				X				
103	ED-B9_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023668	X												
104	ED-B9_0.1-0.2	Feb 04, 2023		Soil	M23-Fe0023669									X			X	
105	ED-B9_0.1-0.5	Feb 04, 2023		Soil	M23-Fe0023670	X												
106	GW01	Feb 05, 2023		Water	M23-Fe0023671							X				X		X
107	GW02	Feb 05, 2023		Water	M23-Fe0023672							X				X		X
108	GW03	Feb 05, 2023		Water	M23-Fe0023673							X				X		X
109	DUP01	Feb 02, 2023		Soil	M23-Fe0023674									X			X	

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
110	DUP02	Feb 02, 2023		Soil	M23-Fe0023675				X	X				X				
111	DUP03	Feb 03, 2023		Soil	M23-Fe0023676									X			X	
112	DUP04	Feb 03, 2023		Soil	M23-Fe0023677									X			X	
113	DUP06	Feb 03, 2023		Soil	M23-Fe0023678								X	X			X	
114	DUP01	Feb 05, 2023		Water	M23-Fe0023679											X		X
115	Sspk3973	Not Provided		Soil	M23-Fe0023680						X							
116	Wsp8872	Not Provided		Water	M23-Fe0023681						X							
117	WTB01	Feb 05, 2023		Water	M23-Fe0023682						X							
118	STB01	Feb 05, 2023		Water	M23-Fe0023683						X							
119	KW-B1_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023684			X										
120	KW-B2_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023685	X												
121	KW-B3_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023686			X										

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
122	KW-B3_0.3-0.4	Feb 03, 2023		Soil	M23-Fe0023687			X										
123	KW-B3_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023688			X										
124	KW-B4_0.3-0.4	Feb 03, 2023		Soil	M23-Fe0023689			X										
125	KW-B5_0.9-1.0	Feb 03, 2023		Soil	M23-Fe0023691			X										
126	KW-B6_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023692			X										
127	KW-B6_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023693			X										
128	KW-B7_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023694			X										
129	MH-B2_0.8-0.9	Feb 03, 2023		Soil	M23-Fe0023695			X										

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
130	MH-B2_1.4-1.5	Feb 03, 2023		Soil	M23-Fe0023696			X										
131	MH-B3_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023697			X										
132	MH-B6_0.6-0.7	Feb 02, 2023		Soil	M23-Fe0023698			X										
133	MH-B7_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023699			X										
134	MH-B7_1.1-1.2	Feb 02, 2023		Soil	M23-Fe0023700			X										
135	MH-B8_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023701			X										
136	MH-B9_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023702			X										
137	MH-B10_1.0-1.1	Feb 02, 2023		Soil	M23-Fe0023703			X										

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
138	MH-B10_1.4-1.5	Feb 02, 2023		Soil	M23-Fe0023704			X										
139	ED-B1_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023705			X										
140	ED-B1_1.4-1.5	Feb 02, 2023		Soil	M23-Fe0023706			X										
141	ED-B1_1.9-2.0	Feb 02, 2023		Soil	M23-Fe0023707			X										
142	ED-B2_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023708			X										
143	ED-B3_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023709			X										
144	ED-B3_0.7-0.8	Feb 04, 2023		Soil	M23-Fe0023710			X										
145	ED-B4_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023711			X										
146	ED-B5_0.3-0.4	Feb 02, 2023		Soil	M23-Fe0023712			X										
147	ED-B5_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023713			X										
148	ED-B6_0.3-0.4	Feb 02, 2023		Soil	M23-Fe0023714			X										
149	ED-B6_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023715			X										
150	ED-B7_0.3-0.4	Feb 04, 2023		Soil	M23-Fe0023716			X										

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
151	ED-B7_0.5-0.65	Feb 04, 2023		Soil	M23-Fe0023717			X										
152	ED-B9_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023718			X										
153	DUP05	Feb 03, 2023		Soil	M23-Fe0023719			X										
154	DUP07	Feb 04, 2023		Soil	M23-Fe0023720			X										
155	DUP08	Feb 04, 2023		Soil	M23-Fe0023721			X										
156	WRB01	Not Provided		Water	M23-Fe0023722												X	
157	SRB01	Not Provided		Water	M23-Fe0023723												X	
158	SRB02	Not Provided		Water	M23-Fe0023724			X										
159	SRB03	Not Provided		Water	M23-Fe0023725			X										
160	ED_B6_0.3-1.0	Not Provided		Soil	M23-Fe0023726			X										
161	KW_B8_0.4-0.5	Not Provided		Building Materials	M23-Fe0023727			X										
162	UNLABELLED	Not Provided		Building	M23-Fe0023728			X										

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	ASB BAG			Materials														
163	MH_B4_0.4-0.5	Not Provided		Soil	M23-Fe0023729			X										
164	KW_B2_0.5-0.7	Not Provided		Soil	M23-Fe0024121			X										
165	ED-B8_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0024143					X				X				
Test Counts						35	5	44	15	31	4	3	5	71	4	4	42	4

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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 follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

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

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

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. 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	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.005			0.005	Pass	
2-Propanone (Acetone)	mg/L	< 0.005			0.005	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.005			0.005	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	
Benzene	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.005			0.005	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.005			0.005	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.005			0.005	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	
Dichlorodifluoromethane	mg/L	< 0.005			0.005	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
Methylene Chloride	mg/L	< 0.005			0.005	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.005			0.005	Pass	
Vinyl chloride	mg/L	< 0.005			0.005	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/L	< 0.01			0.01	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							
Alkali Metals							
Calcium	mg/L	< 0.5			0.5	Pass	
Magnesium	mg/L	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.001			0.001	Pass	
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Cadmium (filtered)	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Nickel (filtered)	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
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/L	< 0.05			0.05	Pass	
Perfluoropentanoic acid (PFPeA)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanoic acid (PFHxA)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanoic acid (PFOA)	ug/L	< 0.01			0.01	Pass	
Perfluorononanoic acid (PFNA)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanoic acid (PFDA)	ug/L	< 0.01			0.01	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/L	< 0.01			0.01	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/L	< 0.01			0.01	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/L	< 0.05			0.05	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/L	< 0.05			0.05	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/L	< 0.05			0.05	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/L	< 0.05			0.05	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/L	< 0.05			0.05	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/L	< 0.05			0.05	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/L	< 0.05			0.05	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/L	< 0.01			0.01	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/L	< 0.01			0.01	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.01			0.01	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.01			0.01	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/L	< 0.05			0.05	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/L	< 0.01			0.01	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							
Polychlorinated Biphenyls							
Aroclor-1016	mg/L	< 0.005			0.005	Pass	
Aroclor-1221	mg/L	< 0.005			0.005	Pass	
Aroclor-1232	mg/L	< 0.005			0.005	Pass	
Aroclor-1242	mg/L	< 0.005			0.005	Pass	
Aroclor-1248	mg/L	< 0.005			0.005	Pass	
Aroclor-1254	mg/L	< 0.005			0.005	Pass	
Aroclor-1260	mg/L	< 0.005			0.005	Pass	
Total PCB*	mg/L	< 0.005			0.005	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	119			70-130	Pass	
TRH C10-C14	%	93			70-130	Pass	
TRH C6-C10	%	92			70-130	Pass	
TRH >C10-C16	%	93			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	121			70-130	Pass	
1.1.1-Trichloroethane	%	122			70-130	Pass	
1.2-Dichlorobenzene	%	113			70-130	Pass	
1.2-Dichloroethane	%	123			70-130	Pass	
Benzene	%	87			70-130	Pass	
Ethylbenzene	%	81			70-130	Pass	
m&p-Xylenes	%	86			70-130	Pass	
Toluene	%	85			70-130	Pass	
Trichloroethene	%	104			70-130	Pass	
Xylenes - Total*	%	86			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	95			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	83			70-130	Pass	
Acenaphthylene	%	78			70-130	Pass	
Anthracene	%	86			70-130	Pass	
Benz(a)anthracene	%	90			70-130	Pass	
Benzo(a)pyrene	%	83			70-130	Pass	
Benzo(b&j)fluoranthene	%	74			70-130	Pass	
Benzo(g.h.i)perylene	%	84			70-130	Pass	
Benzo(k)fluoranthene	%	100			70-130	Pass	
Chrysene	%	83			70-130	Pass	
Dibenz(a.h)anthracene	%	92			70-130	Pass	
Fluoranthene	%	83			70-130	Pass	
Fluorene	%	93			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	88			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Naphthalene	%	96			70-130	Pass	
Phenanthrene	%	85			70-130	Pass	
Pyrene	%	82			70-130	Pass	
LCS - % Recovery							
Alkali Metals							
Calcium	%	98			80-120	Pass	
Magnesium	%	91			80-120	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	91			80-120	Pass	
Arsenic (filtered)	%	92			80-120	Pass	
Cadmium	%	97			80-120	Pass	
Cadmium (filtered)	%	94			80-120	Pass	
Chromium	%	93			80-120	Pass	
Chromium (filtered)	%	93			80-120	Pass	
Copper	%	84			80-120	Pass	
Copper (filtered)	%	91			80-120	Pass	
Lead (filtered)	%	82			80-120	Pass	
Mercury (filtered)	%	93			80-120	Pass	
Nickel	%	85			80-120	Pass	
Nickel (filtered)	%	92			80-120	Pass	
Zinc	%	90			80-120	Pass	
Zinc (filtered)	%	94			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	104			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	96			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	77			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	72			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	80			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	75			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	80			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	89			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	75			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	85			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	84			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	84			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	80			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	79			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	74			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	84			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	94			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	75			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	76			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	92			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	89			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	73			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	77			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	85			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	89			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorodecanesulfonic acid (PFDS)	%	83			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	76			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	83			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	81			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	100			50-150	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	95			70-130	Pass	
Toluene	%	91			70-130	Pass	
Ethylbenzene	%	89			70-130	Pass	
m&p-Xylenes	%	86			70-130	Pass	
Xylenes - Total*	%	87			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	74			70-130	Pass	
4.4'-DDD	%	73			70-130	Pass	
4.4'-DDE	%	84			70-130	Pass	
4.4'-DDT	%	87			70-130	Pass	
a-HCH	%	72			70-130	Pass	
Aldrin	%	70			70-130	Pass	
b-HCH	%	81			70-130	Pass	
d-HCH	%	83			70-130	Pass	
Dieldrin	%	78			70-130	Pass	
Endosulfan I	%	80			70-130	Pass	
Endosulfan II	%	70			70-130	Pass	
Endosulfan sulphate	%	80			70-130	Pass	
Endrin	%	78			70-130	Pass	
Endrin aldehyde	%	79			70-130	Pass	
Endrin ketone	%	89			70-130	Pass	
g-HCH (Lindane)	%	70			70-130	Pass	
Heptachlor	%	81			70-130	Pass	
Heptachlor epoxide	%	74			70-130	Pass	
Hexachlorobenzene	%	73			70-130	Pass	
Methoxychlor	%	77			70-130	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	M23-Fe0023671	CP	%	120			70-130	Pass	
TRH C10-C14	M23-Fe0023923	NCP	%	118			70-130	Pass	
TRH C6-C10	M23-Fe0023671	CP	%	121			70-130	Pass	
TRH >C10-C16	M23-Fe0023923	NCP	%	117			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	M23-Fe0023671	CP	%	124			70-130	Pass	
1.1.1-Trichloroethane	M23-Fe0023671	CP	%	124			70-130	Pass	
1.2-Dichlorobenzene	M23-Fe0023671	CP	%	109			70-130	Pass	
1.2-Dichloroethane	M23-Fe0023671	CP	%	120			70-130	Pass	
Benzene	M23-Fe0023671	CP	%	96			70-130	Pass	
Ethylbenzene	M23-Fe0023671	CP	%	92			70-130	Pass	
m&p-Xylenes	M23-Fe0023671	CP	%	88			70-130	Pass	
o-Xylene	M23-Fe0023671	CP	%	89			70-130	Pass	
Toluene	M23-Fe0023671	CP	%	92			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Trichloroethene	M23-Fe0023671	CP	%	105			70-130	Pass	
Xylenes - Total*	M23-Fe0023671	CP	%	88			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	M23-Fe0023671	CP	%	91			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	M23-Fe0020471	NCP	%	87			70-130	Pass	
Acenaphthylene	M23-Fe0020471	NCP	%	79			70-130	Pass	
Anthracene	M23-Fe0020471	NCP	%	71			70-130	Pass	
Benz(a)anthracene	M23-Fe0020471	NCP	%	89			70-130	Pass	
Benzo(a)pyrene	M23-Fe0020471	NCP	%	87			70-130	Pass	
Benzo(b&j)fluoranthene	M23-Fe0020471	NCP	%	101			70-130	Pass	
Benzo(g.h.i)perylene	M23-Fe0020471	NCP	%	77			70-130	Pass	
Benzo(k)fluoranthene	M23-Fe0020471	NCP	%	84			70-130	Pass	
Chrysene	M23-Fe0020471	NCP	%	95			70-130	Pass	
Dibenz(a.h)anthracene	M23-Fe0020471	NCP	%	86			70-130	Pass	
Fluoranthene	M23-Fe0020471	NCP	%	71			70-130	Pass	
Fluorene	M23-Fe0020471	NCP	%	77			70-130	Pass	
Indeno(1.2.3-cd)pyrene	M23-Fe0020471	NCP	%	84			70-130	Pass	
Naphthalene	M23-Fe0020471	NCP	%	96			70-130	Pass	
Phenanthrene	M23-Fe0020471	NCP	%	74			70-130	Pass	
Pyrene	M23-Fe0020471	NCP	%	72			70-130	Pass	
Spike - % Recovery									
Alkali Metals				Result 1					
Calcium	M23-Fe0023671	CP	%	99			75-125	Pass	
Magnesium	M23-Fe0023671	CP	%	93			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic (filtered)	M23-Fe0023937	NCP	%	115			75-125	Pass	
Cadmium (filtered)	M23-Fe0023937	NCP	%	104			75-125	Pass	
Chromium (filtered)	M23-Fe0023937	NCP	%	110			75-125	Pass	
Copper (filtered)	M23-Fe0023937	NCP	%	106			75-125	Pass	
Lead (filtered)	M23-Fe0023937	NCP	%	97			75-125	Pass	
Mercury (filtered)	M23-Fe0023937	NCP	%	86			75-125	Pass	
Nickel (filtered)	M23-Fe0023937	NCP	%	108			75-125	Pass	
Zinc (filtered)	M23-Fe0023671	CP	%	98			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	M23-Fe0024017	NCP	%	101			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	M23-Fe0024017	NCP	%	71			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	M23-Fe0024017	NCP	%	88			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	M23-Fe0024017	NCP	%	74			50-150	Pass	
Perfluorooctanoic acid (PFOA)	M23-Fe0024017	NCP	%	77			50-150	Pass	
Perfluorononanoic acid (PFNA)	M23-Fe0024017	NCP	%	81			50-150	Pass	
Perfluorodecanoic acid (PFDA)	M23-Fe0024017	NCP	%	79			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	M23-Fe0024017	NCP	%	90			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	M23-Fe0024017	NCP	%	65			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	M23-Fe0024017	NCP	%	75			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	M23-Fe0024017	NCP	%	79			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorooctane sulfonamide (FOSA)	M23-Fe0024017	NCP	%	90			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M23-Fe0024017	NCP	%	75			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M23-Fe0024017	NCP	%	76			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M23-Fe0024017	NCP	%	76			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M23-Fe0024017	NCP	%	66			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M23-Fe0024017	NCP	%	85			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M23-Fe0024017	NCP	%	101			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	M23-Fe0024017	NCP	%	75			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	M23-Fe0024017	NCP	%	67			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M23-Fe0024017	NCP	%	78			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	M23-Fe0024017	NCP	%	82			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	M23-Fe0024017	NCP	%	79			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M23-Fe0024017	NCP	%	96			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	M23-Fe0024017	NCP	%	57			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	M23-Fe0024017	NCP	%	54			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M23-Fe0024017	NCP	%	74			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	M23-Fe0024017	NCP	%	72			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M23-Fe0024017	NCP	%	82			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M23-Fe0024017	NCP	%	88			50-150	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C10	M23-Fe0033548	NCP	%	88			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Benzene	M23-Fe0033548	NCP	%	83			70-130	Pass	
Ethylbenzene	M23-Fe0033548	NCP	%	76			70-130	Pass	
m&p-Xylenes	M23-Fe0033548	NCP	%	79			70-130	Pass	
o-Xylene	M23-Fe0033548	NCP	%	80			70-130	Pass	
Toluene	M23-Fe0033548	NCP	%	81			70-130	Pass	
Xylenes - Total*	M23-Fe0033548	NCP	%	80			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	M23-Fe0033548	NCP	%	91			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heavy Metals				Result 1					
Arsenic	M23-Fe0029730	NCP	%	104			75-125	Pass	
Cadmium	M23-Fe0029730	NCP	%	111			75-125	Pass	
Chromium	M23-Fe0029730	NCP	%	108			75-125	Pass	
Copper	M23-Fe0029730	NCP	%	101			75-125	Pass	
Lead	M23-Fe0029730	NCP	%	91			75-125	Pass	
Mercury	M23-Fe0029730	NCP	%	87			75-125	Pass	
Nickel	M23-Fe0029730	NCP	%	102			75-125	Pass	
Zinc	M23-Fe0029730	NCP	%	111			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	B23-Fe0030370	NCP	%	110			70-130	Pass	
4.4'-DDD	B23-Fe0030370	NCP	%	99			70-130	Pass	
4.4'-DDE	B23-Fe0030370	NCP	%	100			70-130	Pass	
4.4'-DDT	B23-Fe0030370	NCP	%	119			70-130	Pass	
a-HCH	B23-Fe0030370	NCP	%	108			70-130	Pass	
Aldrin	B23-Fe0030370	NCP	%	112			70-130	Pass	
b-HCH	B23-Fe0030370	NCP	%	113			70-130	Pass	
d-HCH	B23-Fe0030370	NCP	%	127			70-130	Pass	
Dieldrin	B23-Fe0030370	NCP	%	120			70-130	Pass	
Endosulfan I	B23-Fe0030370	NCP	%	117			70-130	Pass	
Endosulfan II	B23-Fe0030370	NCP	%	119			70-130	Pass	
Endosulfan sulphate	B23-Fe0030370	NCP	%	74			70-130	Pass	
Endrin	B23-Fe0030370	NCP	%	90			70-130	Pass	
Endrin aldehyde	B23-Fe0030370	NCP	%	73			70-130	Pass	
Endrin ketone	B23-Fe0030370	NCP	%	116			70-130	Pass	
g-HCH (Lindane)	B23-Fe0030370	NCP	%	115			70-130	Pass	
Heptachlor	B23-Fe0030370	NCP	%	96			70-130	Pass	
Heptachlor epoxide	B23-Fe0030370	NCP	%	116			70-130	Pass	
Hexachlorobenzene	B23-Fe0030370	NCP	%	109			70-130	Pass	
Methoxychlor	B23-Fe0030370	NCP	%	80			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	B23-Fe0030370	NCP	%	106			70-130	Pass	
Aroclor-1260	B23-Fe0030370	NCP	%	112			70-130	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	M23-Fe0022900	NCP	mg/L	0.06	0.06	4.0	30%	Pass	
TRH C15-C28	M23-Fe0022900	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	M23-Fe0022900	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C10-C16	M23-Fe0022900	NCP	mg/L	0.05	0.06	18	30%	Pass	
TRH >C16-C34	M23-Fe0022900	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	M23-Fe0022900	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g.h.i)perylene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Chrysene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a.h)anthracene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluoranthene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Phenanthrene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Pyrene	M23-Fe0022900	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Alkali Metals				Result 1	Result 2	RPD			
Calcium	M23-Fe0023671	CP	mg/L	110	110	1.4	30%	Pass	
Magnesium	M23-Fe0023671	CP	mg/L	110	110	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic (filtered)	M23-Fe0023937	NCP	mg/L	0.003	0.003	3.4	30%	Pass	
Cadmium (filtered)	M23-Fe0023937	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium (filtered)	M23-Fe0023937	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper (filtered)	M23-Fe0023937	NCP	mg/L	0.006	0.005	11	30%	Pass	
Lead (filtered)	M23-Fe0023937	NCP	mg/L	0.002	0.002	6.6	30%	Pass	
Mercury (filtered)	M23-Fe0023937	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel (filtered)	M23-Fe0023937	NCP	mg/L	0.003	0.002	11	30%	Pass	
Zinc (filtered)	M23-Fe0023937	NCP	mg/L	0.33	0.32	4.0	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	M23-Fe0026271	NCP	ug/L	1.2	1.1	6.2	30%	Pass	
Perfluoropentanoic acid (PFPeA)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	M23-Fe0026271	NCP	ug/L	1.2	1.1	5.5	30%	Pass	
Perfluorooctanoic acid (PFOA)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	M23-Fe0026271	NCP	ug/L	0.13	0.13	1.2	30%	Pass	
Perfluorodecanoic acid (PFDA)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	M23-Fe0026271	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	M23-Fe0026271	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	M23-Fe0026271	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	M23-Fe0026271	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	M23-Fe0026271	NCP	ug/L	0.08	0.09	7.5	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M23-Fe0026271	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M23-Fe0026271	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M23-Fe0026271	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M23-Fe0026271	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M23-Fe0026271	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M23-Fe0026271	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	M23-Fe0016688	NCP	ug/L	2.2	2.2	2.5	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	M23-Fe0025652	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M23-Fe0026271	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	M23-Fe0026271	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M23-Fe0026271	NCP	ug/L	0.01	0.02	4.6	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M23-Fe0026271	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M23-Fe0023672	CP	mg/L	0.09	0.08	7.7	30%	Pass	
TRH C6-C10	M23-Fe0023672	CP	mg/L	0.10	0.09	7.7	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1-Dichloroethene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1-Trichloroethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2-Trichloroethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dibromoethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichlorobenzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloroethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloropropane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.3-Trichloropropane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.4-Trimethylbenzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichlorobenzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichloropropane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3.5-Trimethylbenzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.4-Dichlorobenzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
2-Butanone (MEK)	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Propanone (Acetone)	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorotoluene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Allyl chloride	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromobenzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
Bromochloromethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Bromodichloromethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Bromoform	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Bromomethane	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Carbon disulfide	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Carbon Tetrachloride	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Chlorobenzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Chloroethane	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Chloroform	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Chloromethane	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
cis-1.2-Dichloroethene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
cis-1.3-Dichloropropene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Dibromochloromethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Dibromomethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Dichlorodifluoromethane	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Ethylbenzene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Iodomethane	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Isopropyl benzene (Cumene)	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
m&p-Xylenes	M23-Fe0023672	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Methylene Chloride	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
o-Xylene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Styrene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Tetrachloroethene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Toluene	M23-Fe0023672	CP	mg/L	0.040	0.036	8.4	30%	Pass
trans-1.2-Dichloroethene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
trans-1.3-Dichloropropene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Trichloroethene	M23-Fe0023672	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Trichlorofluoromethane	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Vinyl chloride	M23-Fe0023672	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Xylenes - Total*	M23-Fe0023672	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD		
Naphthalene	M23-Fe0023672	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M23-Fe0029730	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Cadmium	M23-Fe0029730	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Chromium	M23-Fe0029730	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Copper	M23-Fe0029730	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Lead	M23-Fe0029730	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Mercury	M23-Fe0029730	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass
Nickel	M23-Fe0029730	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Zinc	M23-Fe0029730	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Chlordanes - Total	M23-Fe0028364	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
4.4'-DDD	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
4.4'-DDE	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
4.4'-DDT	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
a-HCH	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Aldrin	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
b-HCH	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
d-HCH	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Dieldrin	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endosulfan I	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan II	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan sulphate	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin aldehyde	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin ketone	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
g-HCH (Lindane)	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Heptachlor	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Heptachlor epoxide	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Hexachlorobenzene	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Methoxychlor	M23-Fe0028364	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Toxaphene	M23-Fe0028364	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	M23-Fe0028364	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1221	M23-Fe0028364	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1232	M23-Fe0028364	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1242	M23-Fe0028364	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1248	M23-Fe0028364	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1254	M23-Fe0028364	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1260	M23-Fe0028364	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Total PCB*	M23-Fe0028364	NCP	mg/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	N/A
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
I12	Where sampling date has not been provided, Eurofins | Environment Testing is not able to determine whether analysis has been performed within recommended holding times.
N09	Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.

Authorised by:

Adam Bateup	Analytical Services Manager
Edward Lee	Senior Analyst-Organic
Harry Bacalis	Senior Analyst-Volatile
Joseph Edouard	Senior Analyst-Organic
Joseph Edouard	Senior Analyst-PFAS
Joseph Edouard	Senior Analyst-Volatile
Mary Makarios	Senior Analyst-Metal
Scott Beddoes	Senior Analyst-Metal

Glenn Jackson
General Manager

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.

NATA Accredited
Accreditation Number 1261
Site Number 18217

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.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
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NSW 2000

Attention:	Mitch Hodgins
Report	962621-AID
Project Name	BHHR
Project ID	63879
Received Date	Feb 09, 2023
Date Reported	Feb 22, 2023

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples 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.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres 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 4964 - 2004. *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	The performance limitation of the AS 4964 (2004) 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 (LOR), per se. Examination of a 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 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "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 BHHR
Project ID 63879
Date Sampled Feb 02, 2023 to Feb 04, 2023
Report 962621-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
KW-B1_0.0-0.5	23-Fe0023566	Feb 03, 2023	Approximate Sample 627g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
KW-B2_0.0-0.1	23-Fe0023568	Feb 03, 2023	Approximate Sample 694g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
KW-B3_0.0-0.4	23-Fe0023573	Feb 03, 2023	Approximate Sample 763g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
KW-B3_0.0-0.4A	23-Fe0023574	Feb 03, 2023	Approximate Sample 4g / 20 x 20 x 3mm Sample consisted of: Vinyl tile	Chrysotile asbestos detected. Organic fibres detected.
KW-B4_0.0-0.1	23-Fe0023576	Feb 03, 2023	Approximate Sample 1077g Sample consisted of: Brown coarse-grained soil, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
KW-B4_0.1-0.3	23-Fe0023578	Feb 03, 2023	Approximate Sample 940g Sample consisted of: Brown coarse-grained soil, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
KW-B4_0.1-0.3A	23-Fe0023579	Feb 03, 2023	Approximate Sample 4g / 40 x 20 x 3mm Sample consisted of: Laminate sheet	No asbestos detected. Organic fibres detected. No trace asbestos detected.
KW-B5_0.1-0.4	23-Fe0023582	Feb 03, 2023	Approximate Sample 696g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
KW-B5_0.4-1.0	23-Fe0023583	Feb 03, 2023	Approximate Sample 558g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
KW-B7_0.0-0.6	23-Fe0023588	Feb 03, 2023	Approximate Sample 1137g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
KW-B7_0.0-0.6A	23-Fe0023589	Feb 03, 2023	Approximate Sample 16g / 50 x 50 x 5mm Sample consisted of: Vinyl tile	Chrysotile asbestos detected. Organic fibres detected.
KW-B8_0.0-0.4	23-Fe0023592	Feb 03, 2023	Approximate Sample 811g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B1_0.0-0.1	23-Fe0023595	Feb 03, 2023	Approximate Sample 509g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B1_0.1-0.2	23-Fe0023597	Feb 03, 2023	Approximate Sample 645g Sample consisted of: Brown coarse-grained soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B1_0.2-0.3	23-Fe0023599	Feb 03, 2023	Approximate Sample 631g Sample consisted of: Brown coarse-grained soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B2_0.2-0.8	23-Fe0023602	Feb 03, 2023	Approximate Sample 546g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B3_0.0-0.6	23-Fe0023606	Feb 03, 2023	Approximate Sample 589g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B3_0.8-1.0	23-Fe0023607	Feb 03, 2023	Approximate Sample 805g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B4_0.0-0.6	23-Fe0023610	Feb 03, 2023	Approximate Sample 984g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B5_0.0-0.9	23-Fe0023615	Feb 02, 2023	Approximate Sample 628g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B6_0.0-0.6	23-Fe0023619	Feb 02, 2023	Approximate Sample 588g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
MH-B7_0.0-1.0	23-Fe0023623	Feb 02, 2023	Approximate Sample 731g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B8_0.1-0.3	23-Fe0023627	Feb 02, 2023	Approximate Sample 1109g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B8_0.3-0.5	23-Fe0023628	Feb 02, 2023	Approximate Sample 819g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B9_0.0-0.5	23-Fe0023632	Feb 02, 2023	Approximate Sample 667g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B10_0.0-0.2	23-Fe0023634	Feb 02, 2023	Approximate Sample 634g Sample consisted of: Brown coarse- grained sandy clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B10_0.0-0.2A	23-Fe0023635	Feb 02, 2023	Approximate Sample 8g / 60 x 30 x 5mm Sample consisted of: Cement sheet	Chrysotile and crocidolite asbestos detected. Organic fibres detected.
MH-B10_0.2-1.0	23-Fe0023638	Feb 02, 2023	Approximate Sample 511g Sample consisted of: Brown coarse- grained sandy clayey soil, plaster and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
MH-B10_0.2-1.0A	23-Fe0023639	Feb 02, 2023	Approximate Sample 6g / 25 x 20 x 5mm Sample consisted of: Cement sheet	Chrysotile asbestos detected. Organic fibres detected.
ED-B1_0.0-1.0	23-Fe0023643	Feb 02, 2023	Approximate Sample 591g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ED-B2_0.0-0.3	23-Fe0023646	Feb 04, 2023	Approximate Sample 1329g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ED-B3_0.0-0.7	23-Fe0023649	Feb 04, 2023	Approximate Sample 1203g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ED-B4_0.1-0.5	23-Fe0023652	Feb 04, 2023	Approximate Sample 998g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ED-B5_0.0-0.3	23-Fe0023655	Feb 02, 2023	Approximate Sample 639g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
ED-B6_0.1-0.3	23-Fe0023658	Feb 02, 2023	Approximate Sample 629g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ED-B7_0.0-0.2	23-Fe0023660	Feb 04, 2023	Approximate Sample 1003g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ED-B8_0.0-0.6	23-Fe0023666	Feb 04, 2023	Approximate Sample 1080g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ED-B9_0.0-0.1	23-Fe0023668	Feb 04, 2023	Approximate Sample 952g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ED-B9_0.1-0.5	23-Fe0023670	Feb 04, 2023	Approximate Sample 846g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
KW-B2_0.1-0.3	23-Fe0023685	Feb 03, 2023	Approximate Sample 813g Sample consisted of: Brown fine-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% 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	Sydney	Feb 17, 2023	Indefinite
Asbestos - LTM-ASB-8020	Melbourne	Feb 17, 2023	Indefinite

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
External Laboratory																		
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**													
1	KW-B1_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023564									X	X		X	
2	KW-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023565				X	X				X				
3	KW-B1_0.0-0.5	Feb 03, 2023		Soil	M23-Fe0023566	X												
4	KW-B2_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023567									X			X	
5	KW-B2_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023568	X												
6	KW-B2_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023569			X										
7	KW-B2_0.3-	Feb 03, 2023		Soil	M23-Fe0023570									X			X	

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.4																	
8	KW-B3_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023571								X	X			X	
9	KW-B3_0.25-0.3	Feb 03, 2023		Soil	M23-Fe0023572									X			X	
10	KW-B3_0.0-0.4	Feb 03, 2023		Soil	M23-Fe0023573	X												
11	KW-B3_0.0-0.4A	Feb 03, 2023		Building Materials	M23-Fe0023574		X											
12	KW-B4_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023575				X	X				X				
13	KW-B4_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023576	X												
14	KW-B4_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023577									X			X	
15	KW-B4_0.1-	Feb 03, 2023		Soil	M23-Fe0023578	X												

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Company Name: JBS & G Australia (NSW) P/L
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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
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Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
16	KW-B4_0.1-0.3A	Feb 03, 2023		Building Materials	M23-Fe0023579		X											
17	KW-B5_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023580									X	X		X	
18	KW-B5_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023581				X	X				X				
19	KW-B5_0.1-0.4	Feb 03, 2023		Soil	M23-Fe0023582	X												
20	KW-B5_0.4-1.0	Feb 03, 2023		Soil	M23-Fe0023583	X												
21	KW-B6_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023584				X	X				X				
22	KW-B6_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023585									X			X	
23	KW-B7_0.2-	Feb 03, 2023		Soil	M23-Fe0023586									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
24	KW-B7_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023587				X	X				X				
25	KW-B7_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023588	X												
26	KW-B7_0.0-0.6A	Feb 03, 2023		Building Materials	M23-Fe0023589		X											
27	KW-B8_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023590									X			X	
28	KW-B8_0.2-0.4	Feb 03, 2023		Soil	M23-Fe0023591								X	X			X	
29	KW-B8_0.0-0.4	Feb 03, 2023		Soil	M23-Fe0023592	X												
30	MH-B1_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023594					X				X				
31	MH-B1_0.0-	Feb 03, 2023		Soil	M23-Fe0023595	X												

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
32	MH-B1_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023596								X	X			X	
33	MH-B1_0.1-0.2	Feb 03, 2023		Soil	M23-Fe0023597	X												
34	MH-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023598					X				X				
35	MH-B1_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023599	X												
36	MH-B2_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023600					X				X				
37	MH-B2_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023601									X			X	
38	MH-B2_0.2-0.8	Feb 03, 2023		Soil	M23-Fe0023602	X												
39	MH-B3_0.0-	Feb 03, 2023		Soil	M23-Fe0023603									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
40	MH-B3_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023604					X				X				
41	MH-B3_0.8-1.0	Feb 03, 2023		Soil	M23-Fe0023605									X			X	
42	MH-B3_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023606	X												
43	MH-B3_0.8-1.0	Feb 03, 2023		Soil	M23-Fe0023607	X												
44	MH-B4_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023608									X			X	
45	MH-B4_0.6-0.7	Feb 03, 2023		Soil	M23-Fe0023609					X				X				
46	MH-B4_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023610	X												
47	MH-B5_0.0-	Feb 02, 2023		Soil	M23-Fe0023611					X				X				

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.1																	
48	MH-B5_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023612									X			X	
49	MH-B5_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023613									X			X	
50	MH-B5_0.8-0.9	Feb 02, 2023		Soil	M23-Fe0023614					X				X				
51	MH-B5_0.0-0.9	Feb 02, 2023		Soil	M23-Fe0023615	X												
52	MH-B6_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023616								X	X			X	
53	MH-B6_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023617				X	X				X	X			
54	MH-B6_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023618					X				X				
55	MH-B6_0.0-	Feb 02, 2023		Soil	M23-Fe0023619	X												

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Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.6																	
56	MH-B7_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023620				X	X				X				
57	MH-B7_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023621									X			X	
58	MH-B7_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023622									X			X	
59	MH-B7_0.0-1.0	Feb 02, 2023		Soil	M23-Fe0023623	X												
60	MH-B8_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023624				X	X				X				
61	MH-B8_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023625									X			X	
62	MH-B8_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023626					X				X				
63	MH-B8_0.1-	Feb 02, 2023		Soil	M23-Fe0023627	X												

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Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.3																	
64	MH-B8_0.3-0.5	Feb 02, 2023		Soil	M23-Fe0023628	X												
65	MH-B9_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023629				X	X				X				
66	MH-B9_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023630									X			X	
67	MH-B9_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023631									X			X	
68	MH-B9_0.0-0.5	Feb 02, 2023		Soil	M23-Fe0023632	X												
69	MH-B10_0.0-0.2	Feb 02, 2023		Soil	M23-Fe0023633									X			X	
70	MH-B10_0.0-0.2	Feb 02, 2023		Soil	M23-Fe0023634	X												
71	MH-B10_0.0-	Feb 02, 2023		Building	M23-Fe0023635		X											

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Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	0.2A			Materials														
72	MH-B10_0.2-0.4	Feb 02, 2023		Soil	M23-Fe0023636									X			X	
73	MH-B10_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023637					X				X				
74	MH-B10_0.2-1.0	Feb 02, 2023		Soil	M23-Fe0023638	X												
75	MH-B10_0.2-1.0A	Feb 02, 2023		Building Materials	M23-Fe0023639		X											
76	ED-B1_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023640									X	X		X	
77	ED-B1_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023641				X	X				X				
78	ED-B1_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023642					X				X				
79	ED-B1_0.0-1.0	Feb 02, 2023		Soil	M23-Fe0023643	X												
80	ED-B2_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023644				X	X				X				
81	ED-B2_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023645									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
82	ED-B2_0.0-0.3	Feb 04, 2023		Soil	M23-Fe0023646	X												
83	ED-B3_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023647									X			X	
84	ED-B3_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023648					X				X				
85	ED-B3_0.0-0.7	Feb 04, 2023		Soil	M23-Fe0023649	X												
86	ED-B4_0.1-0.2	Feb 04, 2023		Soil	M23-Fe0023650					X				X				
87	ED-B4_0.4-0.5	Feb 04, 2023		Soil	M23-Fe0023651									X			X	
88	ED-B4_0.1-0.5	Feb 04, 2023		Soil	M23-Fe0023652	X												
89	ED-B5_0.0-0.1	Feb 02, 2023		Soil	M23-Fe0023653									X			X	
90	ED-B5_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023654					X				X				
91	ED-B5_0.0-0.3	Feb 02, 2023		Soil	M23-Fe0023655	X												
92	ED-B6_0.1-0.2	Feb 02, 2023		Soil	M23-Fe0023656					X				X				
93	ED-B6_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023657									X			X	
94	ED-B6_0.1-0.3	Feb 02, 2023		Soil	M23-Fe0023658	X												
95	ED-B7_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023659									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
96	ED-B7_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023660	X												
97	ED-B7_0.2-0.3	Feb 04, 2023		Soil	M23-Fe0023661				X	X				X				
98	ED-B8_0.0-0.2	Feb 04, 2023		Soil	M23-Fe0023662				X	X				X				
99	ED-B8_0.3-0.4	Feb 04, 2023		Soil	M23-Fe0023663									X			X	
100	ED-B8_0.8-1.0	Feb 04, 2023		Soil	M23-Fe0023665									X			X	
101	ED-B8_0.0-0.6	Feb 04, 2023		Soil	M23-Fe0023666	X												
102	ED-B9_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023667				X	X				X				
103	ED-B9_0.0-0.1	Feb 04, 2023		Soil	M23-Fe0023668	X												
104	ED-B9_0.1-0.2	Feb 04, 2023		Soil	M23-Fe0023669									X			X	
105	ED-B9_0.1-0.5	Feb 04, 2023		Soil	M23-Fe0023670	X												
106	GW01	Feb 05, 2023		Water	M23-Fe0023671							X				X		X
107	GW02	Feb 05, 2023		Water	M23-Fe0023672							X				X		X
108	GW03	Feb 05, 2023		Water	M23-Fe0023673							X				X		X
109	DUP01	Feb 02, 2023		Soil	M23-Fe0023674									X			X	

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
110	DUP02	Feb 02, 2023		Soil	M23-Fe0023675				X	X				X				
111	DUP03	Feb 03, 2023		Soil	M23-Fe0023676									X			X	
112	DUP04	Feb 03, 2023		Soil	M23-Fe0023677									X			X	
113	DUP06	Feb 03, 2023		Soil	M23-Fe0023678								X	X			X	
114	DUP01	Feb 05, 2023		Water	M23-Fe0023679											X		X
115	Sspk3973	Not Provided		Soil	M23-Fe0023680						X							
116	Wsp8872	Not Provided		Water	M23-Fe0023681						X							
117	WTB01	Feb 05, 2023		Water	M23-Fe0023682						X							
118	STB01	Feb 05, 2023		Water	M23-Fe0023683						X							
119	KW-B1_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023684			X										
120	KW-B2_0.1-0.3	Feb 03, 2023		Soil	M23-Fe0023685	X												
121	KW-B3_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023686			X										

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Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
122	KW-B3_0.3-0.4	Feb 03, 2023		Soil	M23-Fe0023687			X										
123	KW-B3_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0023688			X										
124	KW-B4_0.3-0.4	Feb 03, 2023		Soil	M23-Fe0023689			X										
125	KW-B5_0.9-1.0	Feb 03, 2023		Soil	M23-Fe0023691			X										
126	KW-B6_0.2-0.3	Feb 03, 2023		Soil	M23-Fe0023692			X										
127	KW-B6_0.0-0.6	Feb 03, 2023		Soil	M23-Fe0023693			X										
128	KW-B7_0.0-0.1	Feb 03, 2023		Soil	M23-Fe0023694			X										
129	MH-B2_0.8-0.9	Feb 03, 2023		Soil	M23-Fe0023695			X										

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Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
130	MH-B2_1.4-1.5	Feb 03, 2023		Soil	M23-Fe0023696			X										
131	MH-B3_0.5-0.6	Feb 03, 2023		Soil	M23-Fe0023697			X										
132	MH-B6_0.6-0.7	Feb 02, 2023		Soil	M23-Fe0023698			X										
133	MH-B7_0.4-0.5	Feb 02, 2023		Soil	M23-Fe0023699			X										
134	MH-B7_1.1-1.2	Feb 02, 2023		Soil	M23-Fe0023700			X										
135	MH-B8_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023701			X										
136	MH-B9_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0023702			X										
137	MH-B10_1.0-1.1	Feb 02, 2023		Soil	M23-Fe0023703			X										

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Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
138	MH-B10_1.4-1.5	Feb 02, 2023		Soil	M23-Fe0023704			X										
139	ED-B1_0.2-0.3	Feb 02, 2023		Soil	M23-Fe0023705			X										
140	ED-B1_1.4-1.5	Feb 02, 2023		Soil	M23-Fe0023706			X										
141	ED-B1_1.9-2.0	Feb 02, 2023		Soil	M23-Fe0023707			X										
142	ED-B2_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023708			X										
143	ED-B3_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023709			X										
144	ED-B3_0.7-0.8	Feb 04, 2023		Soil	M23-Fe0023710			X										
145	ED-B4_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023711			X										
146	ED-B5_0.3-0.4	Feb 02, 2023		Soil	M23-Fe0023712			X										
147	ED-B5_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023713			X										
148	ED-B6_0.3-0.4	Feb 02, 2023		Soil	M23-Fe0023714			X										
149	ED-B6_0.9-1.0	Feb 02, 2023		Soil	M23-Fe0023715			X										
150	ED-B7_0.3-0.4	Feb 04, 2023		Soil	M23-Fe0023716			X										

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NATA# 1261
Site# 25079 & 25289

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IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
151	ED-B7_0.5-0.65	Feb 04, 2023		Soil	M23-Fe0023717			X										
152	ED-B9_0.5-0.6	Feb 04, 2023		Soil	M23-Fe0023718			X										
153	DUP05	Feb 03, 2023		Soil	M23-Fe0023719			X										
154	DUP07	Feb 04, 2023		Soil	M23-Fe0023720			X										
155	DUP08	Feb 04, 2023		Soil	M23-Fe0023721			X										
156	WRB01	Not Provided		Water	M23-Fe0023722												X	
157	SRB01	Not Provided		Water	M23-Fe0023723												X	
158	SRB02	Not Provided		Water	M23-Fe0023724			X										
159	SRB03	Not Provided		Water	M23-Fe0023725			X										
160	ED_B6_0.3-1.0	Not Provided		Soil	M23-Fe0023726			X										
161	KW_B8_0.4-0.5	Not Provided		Building Materials	M23-Fe0023727			X										
162	UNLABELLED	Not Provided		Building	M23-Fe0023728			X										

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Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261 Site# 1254	NATA# 1261 Site# 25403	NATA# 1261 Site# 18217	NATA# 1261 Site# 25466	NATA# 1261 Site# 20794	Site# 25079 & 25289

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IANZ# 1327	IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 962621
Phone: 02 8245 0300
Fax:

Received: Feb 9, 2023 10:22 AM
Due: Feb 16, 2023
Priority: 5 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	HOLD	Polycyclic Aromatic Hydrocarbons	Metals M8	BTEX	Hardness Set	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8 (filtered metals)	JBS&G Suite 2	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA # 1261 Site # 18217						X												
Brisbane Laboratory - NATA # 1261 Site # 20794															X			
	ASB BAG			Materials														
163	MH_B4_0.4-0.5	Not Provided		Soil	M23-Fe0023729			X										
164	KW_B2_0.5-0.7	Not Provided		Soil	M23-Fe0024121			X										
165	ED-B8_0.5-0.6	Feb 02, 2023		Soil	M23-Fe0024143					X				X				
Test Counts						35	5	44	15	31	4	3	5	71	4	4	42	4

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 with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. 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).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (**% w/w**)
F/fld	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: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

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 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**P_A**).
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of 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 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 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 4964-2004.
Dry	Sample is dried by heating prior to analysis.
DS	Dispersion Staining. 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 that was previously non-friable and in a severely degraded condition. For the purposes of the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to visibly distinguish 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 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 purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
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, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].
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 in accordance with AS 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
UMF	Unidentified Mineral Fibre Detected. Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according the AS 4964-2004. May include (but not limited to) Actinolite, Anthophyllite or Tremolite asbestos.
WA DOH	Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*
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	N/A
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Sayeed Abu	Senior Analyst-Asbestos
Laxman Dias	Senior Analyst-Asbestos
Hiren Patel	Senior Analyst-Asbestos

Authorised by:

Chamath JHM Annakkage	Senior Analyst-Asbestos
Sayeed Abu	Senior Analyst-Asbestos
Rhys Thomas	Senior Analyst-Asbestos

Glenn Jackson
General Manager

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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IANZ# 1327	IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Mitch Hodgins
Project name:	BHHR
Project ID:	63879
Turnaround time:	5 Day
Date/Time received	Feb 9, 2023 10:22 AM
Eurofins reference	962621

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 10.4 degrees Celsius.
✓	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.
X	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.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Hardness not available on samples WTB01 and STB01. PFAS analysis not available on samples Sspk3973 and Wsp8872, samples placed on hold. Extra samples KW_B2_0.5-0.7, MH_B4_0.4-0.5, UNLABELLED ASB BAG, KW_B8_0.4-0.5, ED_B6_0.3-1.0, SRB03, SRB02, WRB01, SRB01. Missing KW-B8_0.0-0, KW_B4_0.5-0.7.

Contact

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

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Mitch Hodgins - mhodgins@jbsg.com.au.

Chain of Custody

JBS&G

PROJECT NO.: 63879	LABORATORY BATCH NO.:
PROJECT NAME: BHHR	SAMPLERS: AJ
DATE NEEDED BY: standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....mhodgins@jbsg.com.au; (3) .....gpinget@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

#962621
10/4/23
F

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metals	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness							TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
KW-B1_0.0-0.1	Soil	3/2/23		1 Jar			X				X														
KW-B1_0.2-0.3	Soil	3/2/23		1 Jar				X	X																
KW-B1_0.4-0.5	Soil	3/2/23		1 Jar																					
KW-B1_0.0-0.5	Soil	3/2/23		1 Bag		X																		X	
KW-B2_0.0-0.1	Soil	3/2/23		1 Jar			X																		
KW-B2_0.0-0.1	Soil	3/2/23		1 Bag		X																		X	
KW-B2_0.1-0.3	Soil	3/2/23		1 Jar																					
KW-B2_0.1-0.3	Soil	3/2/23		1 Bag		X																		X	
KW-B2_0.3-0.4	Soil	3/2/23		1 Jar			X																		
KW-B3_0.0-0.1	Soil	3/2/23		1 Jar																					
KW-B3_0.1-0.2	Soil	3/2/23		1 Jar			X			X															
KW-B3_0.25-0.3	Soil	3/2/23		1 Jar			X																		
KW-B3_0.3-0.4	Soil	3/2/23		1 Jar																					
KW-B3_0.4-0.5	Soil	3/2/23		1 Jar																					
KW-B3_0.0-0.4	Soil	3/2/23		1 Bag		X																		X	
KW-B3_0.0-0.4A	Soil	3/2/23		1 Bag		X																	X		
KW-B4_0.0-0.1	Soil	3/2/23		1 Jar				X	X																
KW-B4_0.0-0.1	Soil	3/2/23		1 Bag		X																		X	
KW-B4_0.1-0.3	Soil	3/2/23		1 Jar			X																		
KW-B4_0.1-0.3	Soil	3/2/23		1 Bag		X																		X	
KW-B4_0.1-0.3A	Soil	3/2/23		1 Bag		X																	X		
KW-B4_0.3-0.4	Soil	3/2/23		1 Jar																					
KW-B4_0.5-0.7	Soil	3/2/23		1 Jar																					
KW-B5_0.1-0.2	Soil	3/2/23		1 Jar			X				X														
KW-B5_0.4-0.5	Soil	3/2/23		1 Jar				X	X																

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Chain of Custody

JBS&G

PROJECT NO.: 63879	LABORATORY BATCH NO.:
PROJECT NAME: BHHR	SAMPLERS: AJ
DATE NEEDED BY: standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....mhodgins@jbsg.com.au; (3) .....gpinget@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

#962621
10/4/23

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metals	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness								TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
KW-B5_0.9-1.0	Soil	3/2/23		1 Jar																						
KW-B5_0.1-0.4	Soil	3/2/23		1 Bag		X																			X	
KW-B5_0.4-1.0	Soil	3/2/23		1 Bag		X																			X	
KW-B6_0.0-0.1	Soil	3/2/23		1 Jar				X	X																	
KW-B6_0.2-0.3	Soil	3/2/23		1 Jar																						
KW-B6_0.5-0.6	Soil	3/2/23		1 Jar			X																			
KW-B6_0.0-0.6	Soil	3/2/23		1 Bag		X																				
KW-B7_0.0-0.1	Soil	3/2/23		1 Jar																						
KW-B7_0.2-0.3	Soil	3/2/23		1 Jar			X																			
KW-B7_0.5-0.6	Soil	3/2/23		1 Jar				X	X																	
KW-B7_0.0-0.6	Soil	3/2/23		1 Bag		X																			X	
KW-B7_0.0-0.6A	Soil	3/2/23		1 Bag		X																		X		
KW-B8_0.0-0.1	Soil	3/2/23		1 Jar			X																			
KW-B8_0.2-0.4	Soil	3/2/23		1 Jar			X			X																
KW-B8_0.0-0.4	Soil	3/2/23		1 Bag		X																			X	
KW-B8_0.0-0	Soil	3/2/23		1 Bag		X																		X		
MH-B1_0.0-0.1	Soil	3/2/23		1 Jar				X																		
MH-B1_0.0-0.1	Soil	3/2/23		1 Bag		X																			X	
MH-B1_0.1-0.2	Soil	3/2/23		1 Jar			X			X																
MH-B1_0.1-0.2 •	Soil	3/2/23		1 Bag		X																			X	
MH-B1_0.2-0.3	Soil	3/2/23		1 Jar				X																		
MH-B1_0.2-0.3 •	Soil	3/2/23		1 Bag		X																			X	
MH-B2_0.2-0.3	Soil	3/2/23		1 Jar				X																		
MH-B2_0.4-0.5	Soil	3/2/23		1 Jar			X																			
MH-B2_0.8-0.9	Soil	3/2/23		1 Jar																						

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Chain of Custody

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PROJECT NO.: 63879	LABORATORY BATCH NO.:
PROJECT NAME: BHHR	SAMPLERS: AJ
DATE NEEDED BY: standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....mhodgins@jbsg.com.au; (3) .....gpinget@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metaks	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness								TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
MH-B2_1.4-1.5	Soil	3/2/23		1 Jar																						
MH-B2_0.2-0.8	Soil	3/2/23		1 Bag		X																			X	
MH-B3_0.0-0.1	Soil	3/2/23		1 Jar			X																			
MH-B3_0.2-0.3	Soil	3/2/23		1 Jar				X																		
MH-B3_0.5-0.6	Soil	3/2/23		1 Jar																						
MH-B3_0.8-1.0	Soil	3/2/23		1 Jar			X																			
MH-B3_0.0-0.6	Soil	3/2/23		1 Bag		X																			X	
MH-B3_0.8-1.0	Soil	3/2/23		1 Bag		X																			X	
MH-B4_0.2-0.3	Soil	3/2/23		1 Jar			X																			
MH-B4_0.6-0.7	Soil	3/2/23		1 Jar				X																		
MH-B4_0.0-0.6	Soil	3/2/23		1 Bag		X																			X	
MH-B5_0.0-0.1	Soil	2/2/23		1 Jar				X																		
MH-B5_0.1-0.2	Soil	2/2/23		1 Jar			X																			
MH-B5_0.4-0.5	Soil	2/2/23		1 Jar			X																			
MH-B5_0.8-0.9	Soil	2/2/23		1 Jar				X																		
MH-B5_0.0-0.9	Soil	2/2/23		1 Bag		X																			X	
MH-B6_0.0-0.1	Soil	2/2/23		1 Jar			X			X																
MH-B6_0.2-0.3	Soil	2/2/23		1 Jar				X	X		X															
MH-B6_0.4-0.5	Soil	2/2/23		1 Jar				X																		
MH-B6_0.6-0.7	Soil	2/2/23		1 Jar																						
MH-B6_0.0-0.6	Soil	2/2/23		1 Bag		X																			X	
MH-B7_0.0-0.1	Soil	2/2/23		1 Jar				X	X																	
MH-B7_0.2-0.3	Soil	2/2/23		1 Jar			X																			
MH-B7_0.4-0.5	Soil	2/2/23		1 Jar																						
MH-B7_0.9-1.0	Soil	2/2/23		1 Jar			X																			

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PROJECT NO.: 63879	LABORATORY BATCH NO.:
PROJECT NAME: BHHR	SAMPLERS: AJ
DATE NEEDED BY: standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....mhodgins@jbsg.com.au; (3) .....gpinget@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metaks	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness								TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
MH-B7_1.1-1.2	Soil	2/2/23		1 Jar																						
MH-B7_0.0-1.0	Soil	2/2/23		1 Bag		X																			X	
MH-B8_0.1-0.2	Soil	2/2/23		1 Jar				X	X																	
MH-B8_0.4-0.5	Soil	2/2/23		1 Jar			X																			
MH-B8_0.5-0.6	Soil	2/2/23		1 Jar				X																		
MH-B8_0.9-1.0	Soil	2/2/23		1 Jar																						
MH-B8_0.1-0.3	Soil	2/2/23		1 Bag		X																			X	
MH-B8_0.3-0.5	Soil	2/2/23		1 Bag		X																			X	
MH-B9_0.0-0.1	Soil	2/2/23		1 Jar				X	X																	
MH-B9_0.2-0.3	Soil	2/2/23		1 Jar			X																			
MH-B9_0.5-0.6	Soil	2/2/23		1 Jar																						
MH-B9_0.9-1.0	Soil	2/2/23		1 Jar			X																			
MH-B9_0.0-0.5	Soil	2/2/23		1 Bag		X																			X	
MH-B10_0.0-0.2	Soil	2/2/23		1 Jar			X																			
MH-B10_0.0-0.2	Soil	2/2/23		1 Bag		X																			X	
MH-B10_0.0-0.2A	Soil	2/2/23		1 Bag		X																		X		
MH-B10_0.2-0.4	Soil	2/2/23		1 Jar			X																			
MH-B10_0.5-0.6	Soil	2/2/23		1 Jar				X																		
MH-B10_1.0-1.1	Soil	2/2/23		1 Jar																						
MH-B10_1.4-1.5	Soil	2/2/23		1 Jar																						
MH-B10_0.2-1.0	Soil	2/2/23		1 Bag		X																			X	
MH-B10_0.2-1.0A	Soil	2/2/23		1 Bag		X																		X		
ED-B1_0.0-0.1	Soil	2/2/23		1 Jar			X				X															
ED-B1_0.2-0.3	Soil	2/2/23		1 Jar																						
ED-B1_0.4-0.5	Soil	2/2/23		1 Jar				X	X																	

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PROJECT NO.: 63879	LABORATORY BATCH NO.:
PROJECT NAME: BHHR	SAMPLERS: AJ
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PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....mhodgins@jbsg.com.au; (3) .....gpinget@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metaks	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness								TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
ED-B1_0.9-1.0	Soil	2/2/23		1 Jar				X																		
ED-B1_1.4-1.5	Soil	2/2/23		1 Jar																						
ED-B1_1.9-2.0	Soil	2/2/23		1 Jar																						
ED-B1_0.0-1.0	Soil	2/2/23		1 Bag		X																			X	
ED-B2_0.0-0.1	Soil	4/2/23		1 Jar				X	X																	
ED-B2_0.2-0.3	Soil	4/2/23		1 Jar			X																			
ED-B2_0.5-0.6	Soil	4/2/23		1 Jar																						
ED-B2_0.0-0.3	Soil	4/2/23		1 Bag		X																			X	
ED-B3_0.0-0.1	Soil	4/2/23		1 Jar			X																			
ED-B3_0.2-0.3	Soil	4/2/23		1 Jar				X																		
ED-B3_0.5-0.6	Soil	4/2/23		1 Jar																						
ED-B3_0.7-0.8	Soil	4/2/23		1 Jar																						
ED-B3_0.0-0.7	Soil	4/2/23		1 Bag		X																			X	
ED-B4_0.1-0.2	Soil	4/2/23		1 Jar				X																		
ED-B4_0.4-0.5	Soil	4/2/23		1 Jar			X																			
ED-B4_0.5-0.6	Soil	4/2/23		1 Jar																						
ED-B4_0.1-0.5	Soil	4/2/23		1 Bag		X																			X	
ED-B5_0.0-0.1	Soil	2/2/23		1 Jar			X																			
ED-B5_0.2-0.3	Soil	2/2/23		1 Jar				X																		
ED-B5_0.3-0.4	Soil	2/2/23		1 Jar																						
ED-B5_0.9-1.0	Soil	2/2/23		1 Jar																						
ED-B5_0.0-0.3	Soil	2/2/23		1 Bag		X																			X	
ED-B6_0.1-0.2	Soil	2/2/23		1 Jar				X																		
ED-B6_0.2-0.3	Soil	2/2/23		1 Jar			X																			
ED-B6_0.3-0.4	Soil	2/2/23		1 Jar																						

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PROJECT NO.: 63879	LABORATORY BATCH NO.:
PROJECT NAME: BHHR	SAMPLERS: AJ
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PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
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COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metaks	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness								TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
ED-B6_0.9-1.0	Soil	2/2/23		1 Jar																						
ED-B6_0.1-0.3	Soil	2/2/23		1 Bag		X																			X	
ED-B7_0.0-0.2	Soil	4/2/23		1 Jar			X																			
ED-B7_0.0-0.2	Soil	4/2/23		1 Bag		X																			X	
ED-B7_0.2-0.3	Soil	4/2/23		1 Jar				X	X																	
ED-B7_0.3-0.4	Soil	4/2/23		1 Jar																						
ED-B7_0.5-0.65	Soil	4/2/23		1 Jar																						
ED-B8_0.0-0.2	Soil	4/2/23		1 Jar				X	X																	
ED-B8_0.3-0.4	Soil	4/2/23		1 Jar			X																			
ED-B8_0.5-0.6	Soil	4/2/23		1 Jar				X																		
ED-B8_0.8-1.0	Soil	4/2/23		1 Jar			X																			
ED-B8_0.0-0.6	Soil	4/2/23		1 Bag		X																			X	
ED-B9_0.0-0.1	Soil	4/2/23		1 Jar				X	X																	
ED-B9_0.0-0.1	Soil	4/2/23		1 Bag		X																			X	
ED-B9_0.1-0.2	Soil	4/2/23		1 Jar			X																			
ED-B9_0.5-0.6	Soil	4/2/23		1 Jar																						
ED-B9_0.1-0.5	Soil	4/2/23		1 Bag		X																			X	
GW01	Water	5/2/23		2A, 4V, 2P, 1PFAS									X	X		X										PAHs = low level
GW02	Water	5/2/23		2A, 4V, 2P, 1PFAS									X	X		X										PAHs = low level
GW03	Water	5/2/23		2A, 4V, 2P, 1PFAS									X	X		X										PAHs = low level
DUP01	Soil	2/2/23		1 Jar			X																			
DUP02	Soil	2/2/23		1 Jar				X	X																	
DUP03	Soil	3/2/23		1 Jar			X																			
DUP04	Soil	3/2/23		1 Jar			X																			
DUP05	Soil	3/2/23		1 Bag		X																				

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JBS&G

PROJECT NO.: 63879	LABORATORY BATCH NO.:
PROJECT NAME: BHHR	SAMPLERS: AJ
DATE NEEDED BY: standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....mhodgins@jbsg.com.au; (3) .....gpinget@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metaks	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness								TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
DUP06	Soil	3/2/23		1 Jar			X			X																
DUP07	Soil	4/2/23		1 Jar																						
DUP08	Soil	4/2/23		1 Bag																						
DUP01	Water	5/2/23		2A, 4V, 2P, 1 PFAS									X	X												
Sspk3973				1 Vial										X												
Wsp8872	Water			1 Vial										X												
WTB01	Water	5/2/23		1 Vial											X	X										
STB01	Water	5/2/23		1 Vial											X	X										

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Chain of Custody

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PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

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COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	JB2	8 Heavy Metaks	PAHs	VOCs	R21		Water: B8	Water: 28 PFAS	Water: BTEX	Hardness								TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA
SPLIT01	Soil	2/2/23		1 Jar			X																		
SPLIT02	Soil	2/2/23		1 Jar				X	X																
SPLIT03	Soil	3/2/23		1 Jar			X																		
SPLIT04	Soil	3/2/23		1 Jar			X																		
SPLIT05	Soil	3/2/23		1 Bag		X																			X
SPLIT06	Soil	3/2/23		1 Jar			X			X															
SPLIT07	Soil	4/2/23		1 Jar																					
SPLIT08	Soil	4/2/23		1 Bag		X																			X
SPLIT01	Water	5/2/23		2A, 4V, 2P, 1 PFAS									X	X											

NOTES:

SPLIT SAMPLES TO BE FORWARDED TO ENVIROLAB ASAP PLEASE

JB2 = Combo 5
Water B8 = 8 HM, PAHs (Trace), TRH and VOCs

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: MH DATE: 8/2/23 OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP ..... deg C
NAME: DATE: OF:	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

COPY

13

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Tyrone Gowans

From: Andrew James <ajames@jbsg.com.au>
Sent: Thursday, 9 February 2023 11:15 AM
To: Amy Meunier
Cc: #AU_CAU001_EnviroSampleVic; Parimal Acharya
Subject: Re: Samples Recieved: 63879
Attachments: 63879_COC.doc

Follow Up Flag: Follow up
Flag Status: Flagged

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.
Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Amy and co, please see attached

Kind regards

Andrew James
0438 849 614

From: Amy Meunier <AmyMeunier@eurofins.com>
Sent: Thursday, February 9, 2023 10:22:55 AM
To: Andrew James <ajames@jbsg.com.au>
Cc: #AU_CAU001_EnviroSampleVic <EnviroSampleVic@eurofins.com>; Parimal Acharya <ParimalAcharya@eurofins.com>
Subject: Samples Recieved: 63879

[EXTERNAL EMAIL] Stop and think before opening attachments, clicking or responding.

Hi Andrew,

We have received samples for project 63879, please send through analysis when available.

Kind regards,

Amy Meunier

Analytical Services Manager
Mobile : +61 477 574 867
Email : AmyMeunier@eurofins.com

Eurofins
6 Monterey Road,
Dandenong VIC 3175
Australia

To see Eurofins full Field Services Capabilities click here

eurofins | Environment Testing

PROJECT INFORMATION

Date Received: 06/02/'23

Company: JBS&G

Contact person: Andrew. J

Contact Number:

Contact E-mail:

Project Name/site:

Project Number: 63879

COC: **Attached** ☐
E-mailed ☑
Not received ☐

10.1°C
+0.3°C
10.4°C
on ice/1B.

#962621
10/2/23

Last modified on: 16 October 2019	Approved on: 16 October 2019	Version: QS1039_R2
Last modified by: H. Le	Approver: M. Makarios	Page 1 of 1
Editorial Committee: T. Lakeland, F. Sanjaya, H. Le, M. Makarios		Next required review date: 16 October 2022

Tyrone Gowans

From: Rob Sharp <RSharp@jbsg.com.au>
Sent: Wednesday, 15 February 2023 1:53 PM
To: #AU_CAU001_EnviroSampleVic
Cc: Mitchell Hodgins; Gina Pinget; Andrew James
Subject: FW: Eurofins Sample Receipt Advice - Report 962621 : Site BHHR (63879)

Follow Up Flag: Follow up
Flag Status: Flagged

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.
Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Jessica,

Can I please get the following scheduled for analysis for report 962621

WRB01 – JB2
SRB01 – JB2
WTB01 – Btex
STB01 – Btex
Sspk3972 – Btex
Wsp8872 – Btex

Thanks

Rob

Robert Sharp | Project Manager | JBS&G
Gadigal Country | 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0435 152 557 | E: rsharp@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: EnviroSampleVic@eurofins.com <EnviroSampleVic@eurofins.com>
Sent: Friday, 10 February 2023 5:50 PM
To: Mitchell Hodgins <MHodgins@jbsg.com.au>
Cc: Gina Pinget <gpinget@jbsg.com.au>
Subject: Eurofins Sample Receipt Advice - Report 962621 : Site BHHR (63879)

[EXTERNAL EMAIL] Stop and think before opening attachments, clicking or responding.

Dear Valued Client,

Hardness not available on samples WTB01 and STB01. PFAS analysis not available on samples Sspk3973

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

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: **Mitch Hodgins**

Report **967191-L**
Project name BHHR
Project ID 63879
Received Date Feb 24, 2023

Client Sample ID			**KW-B3_0.1-0.2**	**KW-B3_0.1-0.2**	**DUP04**	**KW-B5_0.1-0.2**
Sample Matrix			**AUS Leachate**	**US Leachate**	**US Leachate**	**US Leachate**
Eurofins Sample No.			**M23-Fe0062289**	**M23-Fe0062290**	**M23-Fe0062291**	**M23-Fe0062292**
Date Sampled			**Feb 03, 2023**	**Feb 03, 2023**	**Feb 03, 2023**	**Feb 03, 2023**
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	0.01	mg/L	0.63	5.9	0.30	0.24
Nickel	0.01	mg/L	-	< 0.01	-	-
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	1.0	-	-	-
pH (initial)	0.1	pH Units	8.7	-	-	-
pH (Leachate fluid)	0.1	pH Units	5.0	-	-	-
pH (off)	0.1	pH Units	6.2	-	-	-
USA Leaching Procedure						
Leachate Fluid[C01]		comment	-	1.0	1.0	1.0
pH (initial)	0.1	pH Units	-	8.8	8.7	8.7
pH (Leachate fluid)	0.1	pH Units	-	5.0	5.0	5.0
pH (off)	0.1	pH Units	-	6.2	6.1	5.0
pH (USA HCl addition)	0.1	pH Units	-	1.6	1.6	1.6

Client Sample ID			**KW-B7_0.2-0.3**	**MH-B10_0.5-0.6**	**MH-B10_0.2-0.4**	**MH-B1_0.2-0.3**
Sample Matrix			**US Leachate**	**US Leachate**	**US Leachate**	**US Leachate**
Eurofins Sample No.			**M23-Fe0062293**	**M23-Fe0062294**	**M23-Fe0062295**	**M23-Fe0062296**
Date Sampled			**Feb 03, 2023**	**Feb 02, 2023**	**Feb 02, 2023**	**Feb 03, 2023**
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	0.01	mg/L	0.06	0.04	0.03	0.07
USA Leaching Procedure						
Leachate Fluid[C01]		comment	1.0	1.0	1.0	1.0
pH (initial)	0.1	pH Units	8.3	8.3	8.1	8.5
pH (Leachate fluid)	0.1	pH Units	5.0	5.0	5.0	5.0
pH (off)	0.1	pH Units	6.6	6.1	6.1	5.3
pH (USA HCl addition)	0.1	pH Units	1.6	1.5	1.6	1.6
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.0005	mg/L	< 0.0005	-	-	-

Client Sample ID			MH-B2_0.2-0.3	ED-B8_0.0-0.2	KW-B3_0.25-0.3
Sample Matrix			US Leachate	US Leachate	US Leachate
Eurofins Sample No.			M23-Fe0062297	M23-Fe0062298	M23-Fe0062299
Date Sampled			Feb 03, 2023	Feb 04, 2023	Feb 03, 2023
Test/Reference	LOR	Unit			
Heavy Metals					
Arsenic	0.01	mg/L	-	0.02	-
Lead	0.01	mg/L	0.06	-	-
USA Leaching Procedure					
Leachate Fluid[C01]		comment	1.0	1.0	1.0
pH (initial)	0.1	pH Units	8.6	8.6	8.4
pH (Leachate fluid)	0.1	pH Units	5.0	5.0	5.0
pH (off)	0.1	pH Units	5.7	5.2	5.6
pH (USA HCl addition)	0.1	pH Units	1.6	1.6	1.7
Polycyclic Aromatic Hydrocarbons					
Benzo(a)pyrene	0.0005	mg/L	-	-	< 0.0005

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
Heavy Metals	Melbourne	Feb 27, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
AUS Leaching Procedure			
pH (initial)	Melbourne	Feb 27, 2023	0 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			
pH (Leachate fluid)	Melbourne	Feb 27, 2023	0 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			
pH (off)	Melbourne	Feb 27, 2023	0 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			
Polycyclic Aromatic Hydrocarbons	Melbourne	Feb 27, 2023	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

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Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 967191
Phone: 02 8245 0300
Fax:

Received: Feb 24, 2023 7:49 PM
Due: Feb 28, 2023
Priority: 1 Day
Contact Name: Mitch Hodgins

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Arsenic	Benzo(a)pyrene	Lead	Nickel	AUS Leaching Procedure	USA Leaching Procedure	Moisture Set
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
1	KW-B3_0.25-0.3	Feb 03, 2023		Soil	M23-Fe0062286			X				X
2	KW-B3_0.3-0.4	Feb 03, 2023		Soil	M23-Fe0062287			X				X
3	KW-B3_0.4-0.5	Feb 03, 2023		Soil	M23-Fe0062288			X				X
4	KW-B3_0.1-0.2	Feb 03, 2023		AUS Leachate	M23-Fe0062289			X		X		
5	KW-B3_0.1-0.2	Feb 03, 2023		US Leachate	M23-Fe0062290			X	X		X	
6	DUP04	Feb 03, 2023		US Leachate	M23-Fe0062291			X			X	
7	KW-B5_0.1-0.2	Feb 03, 2023		US Leachate	M23-Fe0062292			X			X	
8	KW-B7_0.2-0.3	Feb 03, 2023		US Leachate	M23-Fe0062293		X	X			X	

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10	MH-B10_0.2-0.4	Feb 02, 2023		US Leachate	M23-Fe0062295			X			X	
11	MH-B1_0.2-0.3	Feb 03, 2023		US Leachate	M23-Fe0062296			X			X	
12	MH-B2_0.2-0.3	Feb 03, 2023		US Leachate	M23-Fe0062297			X			X	
13	ED-B8_0.0-0.2	Feb 04, 2023		US Leachate	M23-Fe0062298	X					X	
14	KW-B3_0.25-0.3	Feb 03, 2023		US Leachate	M23-Fe0062299		X				X	
Test Counts						1	2	12	1	1	10	3

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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 follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

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

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

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. 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							
Heavy Metals							
Arsenic	mg/L	< 0.01			0.01	Pass	
Lead	mg/L	< 0.01			0.01	Pass	
Nickel	mg/L	< 0.01			0.01	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	90			80-120	Pass	
Lead	%	104			80-120	Pass	
Nickel	%	106			80-120	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M23-Fe0062291	CP	%	104			75-125	Pass	
Lead	M23-Fe0062291	CP	%	115			75-125	Pass	
Nickel	M23-Fe0062291	CP	%	117			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M23-Fe0060891	NCP	%	105			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Fe0062291	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Lead	M23-Fe0062291	CP	mg/L	0.30	0.30	1.4	30%	Pass	
Nickel	M23-Fe0062291	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M23-Fe0060891	NCP	mg/L	0.02	0.02	<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
C01	Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other

Authorised by:

Andrew Black	Analytical Services Manager
Edward Lee	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Sample Properties
Scott Beddoes	Senior Analyst-Metal

Glenn Jackson
General Manager

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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Certificate of Analysis

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

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: **Mitch Hodgins**

Report **967191-S**
Project name BHHR
Project ID 63879
Received Date Feb 24, 2023

Client Sample ID			**KW-B3_0.25-0.3**	**KW-B3_0.3-0.4**	**KW-B3_0.4-0.5**
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**M23-Fe0062286**	**M23-Fe0062287**	**M23-Fe0062288**
Date Sampled			**Feb 03, 2023**	**Feb 03, 2023**	**Feb 03, 2023**
Test/Reference	LOR	Unit			
Heavy Metals					
Lead	5	mg/kg	180	700	66
Sample Properties					
% Moisture	1	%	6.5	5.4	4.4

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
Heavy Metals	Melbourne	Feb 27, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Melbourne	Feb 27, 2023	14 Days
- Method: LTM-GEN-7080 Moisture			

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Sample Detail						Arsenic	Benzo(a)pyrene	Lead	Nickel	AUS Leaching Procedure	USA Leaching Procedure	Moisture Set
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
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5	KW-B3_0.1-0.2	Feb 03, 2023		US Leachate	M23-Fe0062290			X	X		X	
6	DUP04	Feb 03, 2023		US Leachate	M23-Fe0062291			X			X	
7	KW-B5_0.1-0.2	Feb 03, 2023		US Leachate	M23-Fe0062292			X			X	
8	KW-B7_0.2-0.3	Feb 03, 2023		US Leachate	M23-Fe0062293		X	X			X	

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13	ED-B8_0.0-0.2	Feb 04, 2023		US Leachate	M23-Fe0062298	X					X	
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For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. 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	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Lead			mg/kg	< 5			5	Pass	
LCS - % Recovery									
Heavy Metals									
Lead			%	108			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Lead	M23-Fe0061462	NCP	%	82			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Lead	M23-Fe0062286	CP	mg/kg	180	180	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Lead	M23-Fe0062287	CP	mg/kg	700	700	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	M23-Fe0062288	CP	%	4.4	4.4	<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

Authorised by:

Andrew Black	Analytical Services Manager
Mary Makarios	Senior Analyst-Metal
Mary Makarios	Senior Analyst-Sample Properties

Glenn Jackson
General Manager

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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Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Mitch Hodgins
Project name:	BHHR
Project ID:	63879
Turnaround time:	1 Day
Date/Time received	Feb 24, 2023 7:49 PM
Eurofins reference	967191

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

Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

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

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Mitch Hodgins - mhodgins@jbsg.com.au.

Global Leader - Results you can trust

Tyrone Gowans

From: Adam Bateup
Sent: Friday, 24 February 2023 7:49 PM
To: #AU_CAU001_EnviroSampleVic
Subject: FW: Eurofins Test Results - Report 962621 : Site BHHR (63879)
Attachments: RE: Eurofins Test Results - Report 962621 : Site BHHR (63879)

Importance: High

Follow Up Flag: Follow up
Flag Status: Completed

Categories: ADDITIONALS

INFO: INTERNAL EMAIL - Sent from your own Eurofins email domain.

Hey Melbourne,

One-day TAT additional for samples sent to you from Newcastle, apologies for only getting this to you now.

Kind Regards,

Adam Bateup
Assistant Analytical Services Manager
My hours are 3 pm - 11 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: Adam Bateup
Phone: 0413 917 819
Website: www.eurofins.com.au/environmental-testing

#96719
27/2/23

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Tyrone Gowans

From: Mitchell Hodgins <MHodgins@jbsg.com.au>
Sent: Friday, 24 February 2023 3:54 PM
To: Adam Bateup
Cc: Ekaterina Arsenteva
Subject: RE: Eurofins Test Results - Report 962621 : Site BHHR (63879)

Follow Up Flag: Follow up
Flag Status: Flagged

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.
Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Adam,

Can I please order some additional analysis for this lab batch on 24hr TAT?

- Lead (mg/kg)
  - KW-B3_0.25-0.3 — 572 — G326 — FF202
  - KW-B3_0.3-0.4 — 687 — H436 — A302
  - KW-B3_0.4-0.5 — 688
- ASLP – Lead
  - KW-B3_0.1-0.2 — 571 — 326
- TCLP – Lead
  - KW-B3_0.1-0.2
  - DUP04 — 677 — G596 — FF202
  - KW-B5_0.1-0.2 — 580 — 597 — FF203
  - KW-B7_0.2-0.3 — 586
  - MH-B10_0.5-0.6 — 637 — G525 — FF202
  - MH-B10_0.2-0.4 — C36
  - MH-B1_0.2-0.3 — 598 — 597
  - MH-B2_0.2-0.3 — 600
- TCLP – nickel
  - KW-B3_0.1-0.2 — 662 — 1338 — FF203
- TCLP – arsenic
  - ED-B8_0.0-0.2
- TCLP – B(a)P
  - KW-B3_0.25-0.3
  - KW-B7_0.2-0.3

#967141
27/2/23

Regards,

Mitchell Hodgins| Associate – NSW CLM Team Lead | JBS&G
Gadigal Country | Level 1, 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0427 979 749 | E: mhodgins@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: AdamBateup@eurofins.com <AdamBateup@eurofins.com>
Sent: Wednesday, February 22, 2023 2:13 PM

Tyrone Gowans

From: Gina Pinget <gpinget@jbsg.com.au>
Sent: Wednesday, 22 March 2023 10:17 AM
To: Andrew Black
Cc: Mitchell Hodgins
Subject: RE: TCLP lead analysis for Lab: 962621

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.
Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

HI again Andrew,

Can we please update this to 24-hour TAT?

Cheers,

Gina Pinget *(she/her)* | **Project Manager | JBS&G**
Gadigal Country | Level 1, 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0425 853 573 | E: gpinget@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

974595
Jake

From: Andrew Black <AndrewBlack@eurofins.com>
Sent: Wednesday, March 22, 2023 9:30 AM
To: Gina Pinget <gpinget@jbsg.com.au>
Cc: Mitchell Hodgins <MHodgins@jbsg.com.au>
Subject: RE: TCLP lead analysis for Lab: 962621

[EXTERNAL EMAIL] Stop and think before opening attachments, clicking or responding.

Yep shall do Gina

Andrew Black
Analytical Services Manager

Eurofins | Environment Testing Australia Pty Ltd
1 / 2 Frost Drive
Mayfield West, NSW, 2304
Phone: +61 2 9900 8490
Mobile: +61 410 220 750
Email: AndrewBlack@eurofins.com
Website: eurofins.com.au/environmental-testing

PLEASE NOTE: As of the 19th of December, please ensure all samples are delivered to our new site at:
Building 1 / 2 Frost Drive, Mayfield West.

This e-mail including its attachments may contain confidential and proprietary information. Any unauthorized disclosure or use of this e-mail including its attachments is prohibited and may be prosecuted. If you are not the intended recipient, please inform the sender by an e-mail reply and delete the message.
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For sample receipt enquiries (eg. SRAs, changes to analysis) please contact EnvirosampleNSW@eurofins.com or 02 9900 8421 (7am – 9pm).
For despatch enquiries (eg. courier bookings, bottle orders) please contact AU04_Despatch_SYD@eurofins.com or 0488 400 929 (8am – 4pm).

From: Gina Pinget <gpinget@jbsg.com.au>
Sent: Wednesday, 22 March 2023 9:24 AM
To: Andrew Black <AndrewBlack@eurofins.com>
Cc: Mitchell Hodgins <MHodgins@jbsg.com.au>
Subject: TCLP lead analysis for Lab: 962621

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.
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Morning Andrew!

Can you please advise if soil samples from lab batch 962621 will still be within holding time for TCLP lead analysis?

If yes, could I please have the following samples analysed for TCLP lead on standard TAT?:

- KW-B1_0.2-0.3
- KW-B3_0.3-0.4
- KW-B6_0.5-0.6
- KW-B7_0.5-0.6
- KW-B8_0.0-0.1
- KW-B8_0.2-0.4

585 G326 FF202
587 H436 A302
585 E597 FF203
587
590
591

Kind regards,

Gina Pinget *(she/her)* | **Project Manager** | **JBS&G**
Gadigal Country | Level 1, 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0425 853 573 | E: gpinget@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

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IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Gina Pinget
Project name:	BHHR
Project ID:	63879
Turnaround time:	1 Day
Date/Time received	Mar 23, 2023 10:17 AM
Eurofins reference	974595

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

Contact

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

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Gina Pinget - gpinget@jbsg.com.au.

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email: EnviroSales@eurofins.com

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NATA# 1261 Site# 1254	NATA# 1261 Site# 25403	NATA# 1261 Site# 18217	NATA# 1261 Site# 25466	NATA# 1261 Site# 20794	Site# 25079 & 25289

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IANZ# 1327	IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 974595
Phone: 02 8245 0300
Fax:

Received: Mar 23, 2023 10:17 AM
Due: Mar 24, 2023
Priority: 1 Day
Contact Name: Gina Pinget

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Lead	USA Leaching Procedure
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	KW-B1_0.2-03	Feb 03, 2023		US Leachate	M23-Ma0054769	X	X
2	KW-B3_0.3-0.4	Feb 03, 2023		US Leachate	M23-Ma0054770	X	X
3	KW-B6_0.5-0.6	Feb 03, 2023		US Leachate	M23-Ma0054771	X	X
4	KW-B7_0.5-0.6	Feb 03, 2023		US Leachate	M23-Ma0054772	X	X
5	KW-B8_0.0-0.1	Feb 03, 2023		US Leachate	M23-Ma0054773	X	X
6	KW-B8_0.2-0.4	Feb 03, 2023		US Leachate	M23-Ma0054774	X	X
Test Counts						6	6

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

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: **Gina Pinget**

Report **974595-L**
Project name BHHR
Project ID 63879
Received Date Mar 23, 2023

Client Sample ID			**KW-B1_0.2-03**	**KW-B3_0.3-0.4**	**KW-B6_0.5-0.6**	**KW-B7_0.5-0.6**
Sample Matrix			**US Leachate**	**US Leachate**	**US Leachate**	**US Leachate**
Eurofins Sample No.			**M23-Ma0054769**	**M23-Ma0054770**	**M23-Ma0054771**	**M23-Ma0054772**
Date Sampled			**Feb 03, 2023**	**Feb 03, 2023**	**Feb 03, 2023**	**Feb 03, 2023**
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	0.01	mg/L	0.07	4.2	0.70	0.19
USA Leaching Procedure						
Leachate Fluid[C01]		comment	1.0	1.0	1.0	1.0
pH (initial)	0.1	pH Units	8.9	9.1	9.0	8.2
pH (Leachate fluid)	0.1	pH Units	5.0	5.0	5.0	5.0
pH (off)	0.1	pH Units	6.0	5.1	6.2	6.3
pH (USA HCl addition)	0.1	pH Units	1.3	1.3	1.4	1.3

Client Sample ID			**KW-B8_0.0-0.1**	**KW-B8_0.2-0.4**
Sample Matrix			**US Leachate**	**US Leachate**
Eurofins Sample No.			**M23-Ma0054773**	**M23-Ma0054774**
Date Sampled			**Feb 03, 2023**	**Feb 03, 2023**
Test/Reference	LOR	Unit		
Heavy Metals				
Lead	0.01	mg/L	0.16	0.81
USA Leaching Procedure				
Leachate Fluid[C01]		comment	1.0	1.0
pH (initial)	0.1	pH Units	9.2	9.3
pH (Leachate fluid)	0.1	pH Units	5.0	5.0
pH (off)	0.1	pH Units	5.3	6.2
pH (USA HCl addition)	0.1	pH Units	1.4	1.5

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
Heavy Metals	Melbourne	Mar 23, 2023	28 Days

- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS

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Project Name: BHHR
Project ID: 63879

Order No.:
Report #: 974595
Phone: 02 8245 0300
Fax:

Received: Mar 23, 2023 10:17 AM
Due: Mar 24, 2023
Priority: 1 Day
Contact Name: Gina Pinget

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Lead	USA Leaching Procedure
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	KW-B1_0.2-03	Feb 03, 2023		US Leachate	M23-Ma0054769	X	X
2	KW-B3_0.3-0.4	Feb 03, 2023		US Leachate	M23-Ma0054770	X	X
3	KW-B6_0.5-0.6	Feb 03, 2023		US Leachate	M23-Ma0054771	X	X
4	KW-B7_0.5-0.6	Feb 03, 2023		US Leachate	M23-Ma0054772	X	X
5	KW-B8_0.0-0.1	Feb 03, 2023		US Leachate	M23-Ma0054773	X	X
6	KW-B8_0.2-0.4	Feb 03, 2023		US Leachate	M23-Ma0054774	X	X
Test Counts						6	6

eurofins | Environment Testing

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. 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	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Lead			mg/L	< 0.01			0.01	Pass	
LCS - % Recovery									
Heavy Metals									
Lead			%	106			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Lead	M23-Ma0054769	CP	%	82			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Lead	M23-Ma0054769	CP	mg/L	0.07	0.07	<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
C01	Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other

Authorised by:

Adam Bateup	Analytical Services Manager
Mary Makarios	Senior Analyst-Metal
Mary Makarios	Senior Analyst-Sample Properties

Glenn Jackson
General Manager

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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Appendix L QA/QC Summary Tables

Field or Interlab Duplicates

Lab Report Number		962621	35779		962621			962621	35779		962621			962621	35779	
Field ID		KW-B1_0.0-0.5	SPLIT05		KW-B4_0.1-0.3	DUP04		KW-B4_0.1-0.3	SPLIT04		KW-B8_0.2-0.4	DUP06		KW-B8_0.2-0.4	SPLIT06	
Matrix Type		SOIL	SOIL		SOIL	SOIL		SOIL	SOIL		SOIL	SOIL		SOIL	SOIL	
Date		3/02/2023	2/02/2023	RPD	3/02/2023	3/02/2023	RPD	3/02/2023	2/02/2023	RPD	3/02/2023	3/02/2023	RPD	3/02/2023	2/02/2023	RPD
	Unit	EQL														
Metals & Metalloids																
Arsenic	mg/kg	2			5.0	4.8	4	5.0	<4	22	5.0	7.6	41	5.0	5	0
Cadmium	mg/kg	0.4			1.3	1.3	0	1.3	1	26	1.0	3.0	100	1.0	0.5	67
Chromium (III+VI)	mg/kg	1			27	17	45	27	15	57	21	21	0	21	16	27
Copper	mg/kg	1			20	17	16	20	14	35	23	27	16	23	28	20
Lead	mg/kg	1			360	500	33	360	190	62	250	240	4	250	300	18
Mercury	mg/kg	0.1			<0.1	<0.1	0	<0.1	<0.1	0	0.1	<0.1	0	0.1	0.1	0
Nickel	mg/kg	1			13	12	8	13	9	36	13	16	21	13	9	36
Zinc	mg/kg	1			380	350	8	380	260	38	490	880	57	490	280	55
TPHs (NEPC 1999)																
C6-C9 Fraction	mg/kg	20			<20	<20	0	<20	<25	0	<20	<20	0	<20	<25	0
C10-C14 Fraction	mg/kg	20			<20	<20	0	<20	<50	0	<20	<20	0	<20	<50	0
C15-C28 Fraction	mg/kg	50			<50	<50	0	<50	<100	0	<50	59	17	<50	<100	0
C29-C36 Fraction	mg/kg	50			<50	<50	0	<50	<100	0	<50	61	20	<50	<100	0
C10-C36 Fraction (Sum of Total)	mg/kg	50			<50	<50	0	<50	<50	0	<50	120	82	<50	<50	0
TRHs (NEPC 2013)																
C6-C10	mg/kg	20			<20	<20	0	<20	<25	0	<20	<20	0	<20	<25	0
C10-C16	mg/kg	50			<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0
C16-C34	mg/kg	100			<100	<100	0	<100	<100	0	<100	110	10	<100	<100	0
C34-C40	mg/kg	100			<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0
C10-C40 (Sum of total)	mg/kg	50			<100	<100	0	<100	<50	0	<100	110	10	<100	<50	0
F1 (C6-C10 minus BTEX)	mg/kg	20			<20	<20	0	<20	<25	0	<20	<20	0	<20	<25	0
F2 (C10-C16 less Naphthalene)	mg/kg	50			<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0
BTEXN																
Benzene	mg/kg	0.1			<0.1	<0.1	0	<0.1	<0.2	0	<0.1	<0.1	0	<0.1	<0.2	0
Toluene	mg/kg	0.1			<0.1	<0.1	0	<0.1	<0.5	0	<0.1	<0.1	0	<0.1	<0.5	0
Ethylbenzene	mg/kg	0.1			<0.1	<0.1	0	<0.1	<1	0	<0.1	<0.1	0	<0.1	<0.5	0
Xylene (o)	mg/kg	0.1			<0.1	<0.1	0	<0.1	<1	0	<0.1	<0.1	0	<0.1	<0.5	0
Xylene (m & p)	mg/kg	0.2			<0.2	<0.2	0	<0.2	<2	0	<0.2	<0.2	0	<0.2	<1	0
Xylene Total	mg/kg	0.3			<0.3	<0.3	0	<0.3	<1	0	<0.3	<0.3	0	<0.3	<1	0
Total BTEX	mg/kg	1							<1						<1	
Naphthalene_VOC	mg/kg	0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5		
Naphthalene_VOC	mg/kg	1							<1						<1	
PAH																
Acenaphthene	mg/kg	0.1			<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0	<0.5	<0.1	0
Acenaphthylene	mg/kg	0.1			<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0	<0.5	<0.1	0
Anthracene	mg/kg	0.1			<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0	<0.5	0.2	0
Benz(a)anthracene	mg/kg	0.1			<0.5	<0.5	0	<0.5	0.1	0	<0.5	<0.5	0	<0.5	0.5	0
Benzo(a)pyrene	mg/kg	0.05			<0.5	<0.5	0	<0.5	0.15	0	<0.5	<0.5	0	<0.5	0.58	15
Benzo(b+j)fluoranthene	mg/kg	0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5		
Benzo(b+j+k)fluoranthene	mg/kg	0.2							0.2						0.8	
Benzo(g,h,i)perylene	mg/kg	0.1			<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0	<0.5	0.4	0
Benzo(k)fluoranthene	mg/kg	0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5		
Chrysene	mg/kg	0.1			<0.5	<0.5	0	<0.5	0.1	0	<0.5	<0.5	0	<0.5	0.5	0
Dibenz(a,h)anthracene	mg/kg	0.1			<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0	<0.5	<0.1	0
Fluoranthene	mg/kg	0.1			<0.5	<0.5	0	<0.5	0.3	0	0.5	0.8	46	0.5	1.3	89
Fluorene	mg/kg	0.1			<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0	<0.5	<0.1	0
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1			<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0	<0.5	0.3	0
Naphthalene	mg/kg	0.1			<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0	<0.5	<0.1	0
Phenanthrene	mg/kg	0.1			<0.5	<0.5	0	<0.5	0.1	0	<0.5	<0.5	0	<0.5	0.8	46
Pyrene	mg/kg	0.1			<0.5	<0.5	0	<0.5	0.3	0	0.5	0.8	46	0.5	1.2	82
PAHs (Sum of total)	mg/kg	0.05			<0.5	<0.5	0	<0.5	1.3	89	1.0	1.6	46	1.0	6.6	147
Organochlorine Pesticides																
4,4-DDE	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	0.07	33	<0.05	<0.1	0
a-BHC	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
b-BHC	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
d-BHC	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
g-BHC (Lindane)	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Aldrin	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Dieldrin	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Aldrin + Dieldrin	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Chlordane	mg/kg	0.1			<0.1	<0.1	0	<0.1			<0.1	<0.1	0	<0.1		
Chlordane (cis)	mg/kg	0.1							<0.1						<0.1	
Chlordane (trans)	mg/kg	0.1							<0.1						<0.1	
DDT	mg/kg	0.05			<0.05	<0.05	0	<0.05	<0.1	0	<0.05	0.11	75	<0.05	0.1	67

Field or Interlab Duplicates

Lab Report Number			962621	35779		962621			962621	35779		962621			962621	35779	
Field ID			KW-B1_0.0-0.5	SPLIT05		KW-B4_0.1-0.3	DUP04		KW-B4_0.1-0.3	SPLIT04		KW-B8_0.2-0.4	DUP06		KW-B8_0.2-0.4	SPLIT06	
Matrix Type			SOIL	SOIL		SOIL	SOIL		SOIL	SOIL		SOIL	SOIL		SOIL	SOIL	
Date			3/02/2023	2/02/2023	RPD	3/02/2023	3/02/2023	RPD	3/02/2023	2/02/2023	RPD	3/02/2023	3/02/2023	RPD	3/02/2023	2/02/2023	RPD
	Unit	EQL															
DDD	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	0.08	46	<0.05	<0.1	0
DDT+DDE+DDD	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	0.26	135	<0.05	0.1	67
Endosulfan I	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Endosulfan II	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Endosulfan sulphate	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Endrin	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Endrin aldehyde	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Endrin ketone	mg/kg	0.05				<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05		
Heptachlor	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Heptachlor Epoxide	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Methoxychlor	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Toxaphene	mg/kg	0.5				<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5		
Chlorinated Alkanes																	
1,1,1,2-tetrachloroethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,1,1-trichloroethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,1,2,2-tetrachloroethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,1,2-trichloroethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloroethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,2,3-trichloropropane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,2-dibromo-3-chloropropane	mg/kg	0.5														<0.5	
1,2-dichloroethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,2-dichloropropane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,3-dichloropropane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
2,2-dichloropropane	mg/kg	0.5														<0.5	
Bromochloromethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Carbon tetrachloride	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Chloroethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<1	0
Chloromethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<1	0
Dichlorodifluoromethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<1	0
Dichloromethane	mg/kg	0.5										<0.5	<0.5	0	<0.5		
Trichlorofluoromethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<1	0
Chlorinated Alkenes																	
1,1-dichloroethene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloropropene	mg/kg	0.5														<0.5	
2-chlorotoluene	mg/kg	0.5														<0.5	
3-chloropropene	mg/kg	0.5										<0.5	<0.5	0	<0.5		
4-chlorotoluene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
cis-1,2-dichloroethene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
cis-1,3-dichloropropene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Tetrachloroethene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
trans-1,2-dichloroethene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
trans-1,3-dichloropropene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Trichloroethene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Vinyl Chloride	mg/kg	0.5										<0.5	<0.5	0	<0.5	<1	0
Solvents																	
Acetone	mg/kg	0.5										<0.5	<0.5	0	<0.5		
Polychlorinated Biphenyls																	
Arochlor 1016	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1221	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1232	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1242	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1248	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1254	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1260	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
PCBs (Sum of total)	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
MAH																	
1,2,4-trimethylbenzene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,3,5-trimethylbenzene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
n-butylbenzene	mg/kg	0.5														<0.5	
n-propylbenzene	mg/kg	0.5														<0.5	
p-isopropyltoluene	mg/kg	0.5														<0.5	
sec-butylbenzene	mg/kg	0.5														<0.5	
Styrene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
tert-butylbenzene	mg/kg	0.5														<0.5	
Total MAH	mg/kg	0.5										<0.5	<0.5	0	<0.5		
Bromobenzene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0

Field or Interlab Duplicates

Lab Report Number			962621	35779		962621			962621	35779		962621			962621	35779	
Field ID			KW-B1_0.0-0.5	SPLIT05		KW-B4_0.1-0.3	DUP04		KW-B4_0.1-0.3	SPLIT04		KW-B8_0.2-0.4	DUP06		KW-B8_0.2-0.4	SPLIT06	
Matrix Type			SOIL	SOIL		SOIL	SOIL		SOIL	SOIL		SOIL	SOIL		SOIL	SOIL	
Date			3/02/2023	2/02/2023	RPD	3/02/2023	3/02/2023	RPD	3/02/2023	2/02/2023	RPD	3/02/2023	3/02/2023	RPD	3/02/2023	2/02/2023	RPD
	Unit	EQL															
Isopropylbenzene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Miscellaneous Hydrocarbons																	
1,2-dibromoethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Bromomethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<1	0
Cyclohexane	mg/kg	1														<1	
Dibromomethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Iodomethane	mg/kg	0.5										<0.5	<0.5	0	<0.5		
4-Methyl-2-pentanone	mg/kg	0.5										<0.5	<0.5	0	<0.5		
Methyl Ethyl Ketone	mg/kg	0.5										<0.5	<0.5	0	<0.5		
Chlorinated Benzenes																	
1,2,3-trichlorobenzene	mg/kg	0.5														<0.5	
1,2,4-trichlorobenzene	mg/kg	0.5														<0.5	
1,2-Dichlorobenzene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,3-dichlorobenzene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
1,4-dichlorobenzene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Chlorobenzene	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Hexachlorobenzene	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.1	0	<0.05	<0.05	0	<0.05	<0.1	0
Trihalomethanes																	
Dibromochloromethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Chloroform	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Tribromomethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Bromodichloromethane	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0
Organic Sulfur Compounds																	
Carbon disulfide	mg/kg	0.5										<0.5	<0.5	0	<0.5		
Ionic Balance																	
pH of Leaching Fluid	pH Units	0.1					5.0										
pH (after HCL)	pH Units	0.1					1.6										
pH (Final)	pH Units	0.1					6.1										
pH (Initial)	pH Units	0.1					8.7										
Asbestos - Eurofins																	
Approximate Sample Mass	g		627														
Mass ACM	g		0														
Mass Asbestos in ACM	g		0														
Asbestos from ACM in Soil	% (w/w)		0														
Mass FA	g		0														
Mass Asbestos in FA	g		0														
Mass AF	g		0														
Mass asbestos in AF	g		0														
Asbestos from FA & AF in Soil	% (w/w)		0														
Mass Asbestos in FA & AF	g		0														
ACM - Comment	Comment		1														
FA- Comment	Comment		1														
AF - Comment	Comment		1														
Organic Fibres - Comment	Comment		1														
Respirable Fibres - Comment	Comment		1														
Synthetic Fibres - Comment	Comment		1														
Asbestos Reported Result	Comment		1														
Asbestos - Envirolab																	
Asbestos ID in Soil	g/kg			0													
Total Asbestos	g/kg	0.1		<0.1													
Asbestos in soil (<2mm AF/FA) (%w/w)	% (w/w)			0.0025													
Chlorinated Hydrocarbons																	
Hexachlorobutadiene	mg/kg	0.5														<0.5	
Other																	
Moisture Content (dried @ 103°C)	%	1				5.2	5.0	4	5.2			11	10	10	11		
ACM>7mm Estimation % (w/w)*	% (w/w)	0.01		<0.01													
FA and AF Estimation % (w/w)*	%	0.001		<0.001													

Appendix M ProUCL Output

UCL Statistics for Uncensored Full Data Sets

	Lead
	mg/L
EQL	0.01
NSW 2014 General Solid Waste TCLP1 (leached)	5[#2]
NSW 2014 Restricted Solid Waste TCLP2 (leached)	20

Field ID	
DUP04	0.3
KW-B1_0.2-03	0.07
KW-B3_0.1-0.2	5.9
KW-B3_0.25-0.3	-
KW-B3_0.3-0.4	4.2
KW-B5_0.1-0.2	0.24
KW-B6_0.5-0.6	0.7
KW-B7_0.2-0.3	0.06
KW-B7_0.5-0.6	0.19
KW-B8_0.0-0.1	0.16
KW-B8_0.2-0.4	0.81

User Selected Options

Date/Time of Computation ProUCL 5.127/03/2023 10:40:55 AM
From File WorkSheet.xls
Full Precision OFF

Confidence Coefficient 95%

Number of Bootstrap Operations 2000

Lead (Leached)

General Statistics

Total Number of Observations	10	Number of Distinct Observations	10
		Number of Missing Observations	0
Minimum	0.06	Mean	1.263
Maximum	5.9	Median	0.27
SD	2.051	Std. Error of Mean	0.649
Coefficient of Variation	1.624	Skewness	1.88

Normal GOF Test

Shapiro Wilk Test Statistic	0.638	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.842	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.387	Lilliefors GOF Test
5% Lilliefors Critical Value	0.262	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	2.452	95% Adjusted-CLT UCL (Chen-1995)	2.742
		95% Modified-t UCL (Johnson-1978)	2.516

Gamma GOF Test

A-D Test Statistic	0.779	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.773	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.251	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.28	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.554	k star (bias corrected MLE)	0.454
Theta hat (MLE)	2.28	Theta star (bias corrected MLE)	2.78
nu hat (MLE)	11.08	nu star (bias corrected)	9.088
MLE Mean (bias corrected)	1.263	MLE Sd (bias corrected)	1.874
		Approximate Chi Square Value (0.05)	3.38
Adjusted Level of Significance	0.0267	Adjusted Chi Square Value	2.803

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	3.396	95% Adjusted Gamma UCL (use when n<50)	4.095

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.921	Shapiro Wilk Lognormal GOF Test
5% Shapiro Wilk Critical Value	0.842	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.178	Lilliefors Lognormal GOF Test
5% Lilliefors Critical Value	0.262	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-2.813	Mean of logged Data	-0.895
Maximum of Logged Data	1.775	SD of logged Data	1.562

Assuming Lognormal Distribution

95% H-UCL	13.32	90% Chebyshev (MVUE) UCL	2.866
95% Chebyshev (MVUE) UCL	3.657	97.5% Chebyshev (MVUE) UCL	4.756
99% Chebyshev (MVUE) UCL	6.914		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	2.33	95% Jackknife UCL	2.452
95% Standard Bootstrap UCL	2.302	95% Bootstrap-t UCL	8.365
95% Hall's Bootstrap UCL	8.737	95% Percentile Bootstrap UCL	2.413
95% BCA Bootstrap UCL	2.622		
90% Chebyshev(Mean, Sd) UCL	3.209	95% Chebyshev(Mean, Sd) UCL	4.09
97.5% Chebyshev(Mean, Sd) UCL	5.314	99% Chebyshev(Mean, Sd) UCL	7.717

Suggested UCL to Use
95% Adjusted Gamma UCL 4.095

When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test
When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

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Document Status

Rev No.	Author	Reviewer	Approved for Issue		
		Name	Name	Signature	Date
0	Ekaterina Arsenteva / Gina Pinget	Matthew Bennett	Matthew Bennett	Draft for client review	9/03/2023
1	Ekaterina Arsenteva / Gina Pinget	Matthew Bennett	Matthew Bennett		29/03/2023
2	Ekaterina Arsenteva / Gina Pinget	Matthew Bennett	Matthew Bennett		29/03/2023

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