

# **Broadwater Public School**

## **9 Byrnes Street, Broadwater NSW 2472**

### **Contamination Investigation**

ADCO Constructions Pty Ltd



**Reference: 754-SYDGE319200-R03**

21 July 2023

# BROADWATER PUBLIC SCHOOL

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## Contamination Investigation

**Report reference number: 754-SYDGE319200-R03**

ADCO reference: BRO-CI-PP-RPT-0001

## PREPARED FOR

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## EXECUTIVE SUMMARY<sup>1</sup>

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Tetra Tech Coffey Pty Ltd (Coffey) was engaged by ADCO Constructions Pty Ltd (ADCO) to provide contamination management services to inform/support a programme of refurbishments and development (referred to as the development area herein) within a portion Broadwater Public School 9 Byrnes Street, Broadwater NSW 2472 (the site) which was previously damaged by flood events in February/March 2022. The development site covers an approximate area of 7530m<sup>2</sup>.

The objective of this assessment was to identify potential contamination issues relevant to the site in reference to the proposed refurbishments and developments.

In accordance with NSW EPA guidance, Coffey completed the following scope of works:

- A desktop review of the following information sources:
  - Acid sulfate soil risk maps
  - Local geology
  - Local hydrogeology
  - Local topography
  - A review of local Council Section 10.7 certificate in relation to the site
  - Review of historical imagery
  - Registered groundwater bore information in the public register held by NSW Office of Water.
  - Contaminated land records and environmental protection licence information in the public registers held by the NSW Environment Protection Authority.
  - A site walkover by an experienced environmental consultant to identify potential sources of contamination.

The review of available records, and observations made during a site walkover has identified the following potential contamination sources within the site:

- Potential for hazardous building materials to impact the ground surface from flood damaged buildings.
- Likely presence of hazardous materials in existing flood impacted buildings.
- Potential for floodwaters to have deposited contaminated material on site.

Following analysis, no analytes were found to be above the site assessment criteria.

Based on our investigation findings, Coffey consider the following:

- No unacceptable human health soil impacts were identified within the investigation area.
- No unacceptable ecological soil impacts were identified in the investigation area

The investigation area is considered suitable for the proposed development with respect to contamination, subject to:

- Implementation of an unexpected finds protocol
- Appropriate waste/spoil management

With respect to the acid sulfate soils, no AASS were detected in the deeper soil samples analysed. PASS are likely to be present in the underlying natural sediments. Whilst foundation/excavation details have not been confirmed, Coffey considers that an Acid Sulfate Soils Management Plan (ASSMP) would likely be required.

This report should be read in conjunction with the attached “Important information about your Coffey Environmental Report”.

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<sup>1</sup> This executive summary must be read in the context of the full report and the attached limitations.

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Important Information About Your Coffey Environmental Report

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## ABBREVIATIONS

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| Abbreviations | Definition                                                                     |
|---------------|--------------------------------------------------------------------------------|
| AEC           | Area of Environmental Concern                                                  |
| AHD           | Australian Height Datum                                                        |
| ASC NEPM      | National Environment Protection (Assessment of Site Contamination Measure 1999 |
| BTEX          | Benzene, toluene, ethylbenzene and xylene                                      |
| CLM Act       | Contaminated Land Management Act 1997                                          |
| COPC          | Contaminant of Potential Concern                                               |
| CSM           | Conceptual Site Model                                                          |
| GDE           | Groundwater Dependant Ecosystem                                                |
| OCP           | Organochlorine pesticides                                                      |
| OPP           | Organophosphorus Pesticides                                                    |
| PAH           | Polycyclic aromatic hydrocarbons                                               |
| POEO Act      | Protection of the Environment Operations Act 1997                              |
| TRH           | Total Recoverable Hydrocarbons                                                 |

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# 1. INTRODUCTION

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## 1.1 GENERAL

Tetra Tech Coffey Pty Ltd (Coffey) was engaged by ADCO Constructions Pty Ltd (ADCO) to provide contamination management services to inform/support a programme of refurbishments and development (referred to as the development area herein) within a portion of Broadwater Public School, 9 Byrnes Street, Broadwater NSW 2472 (the site) previously damaged by flood events in February/March 2022. The site location, development area and site boundary are illustrated in Figure 1.

The Investigation was prepared in accordance with Coffey's fee proposal dated 24 March 2023 (ref: SYDGE319200-AB).

## 1.2 OBJECTIVES

The objective of this investigation was to provide contamination management services (including preparation of contamination documentation) to support ADCO in delivering the project. The investigation will assist with the characterisation of the extent and type of contamination (if present) within the development area.

## 1.3 SCOPE OF WORKS

To meet the above objective, Coffey has prepared this Investigation in general accordance with relevant guidelines including the *Guidelines for Consultants Reporting on Contaminated Land* (NSW EPA, 2020), and Schedule B2 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999* (the 'ASC NEPM') (NEPC, 2013).

In accordance with NSW EPA guidance, Coffey completed the following scope of works:

- A desktop review of the following information sources:
  - Local geology, hydrogeology, topography and acid sulfate soil risk maps.
  - A selection of relevant historical aerial photographs available in public online portals, covering the site and the surrounds.
  - Registered groundwater bore information in the public register held by NSW Office of Water.
  - Contaminated land records and environmental protection licence information in the public registers held by the NSW Environment Protection Authority.
  - Current and historical titles records (if land use cannot be established by aerial photographs).
  - Review of the Section 10.7 (2 & 5) certificates for the site maintained by Council.
  - Previous contamination assessments reports made available by ADCO.
- A walkover of the site was undertaken to observe current activities and conditions within the site, and adjacent properties.
- Limited soil sampling utilising geotechnical boreholes extending at least 1.0 m below ground level (mbgl) depth, and/or into the natural soil profile. Soil samples were collected at selected depth intervals. Acid sulfate soil samples were collected in deeper natural soil profiles, where applicable.
- Limited soil sampling within the development area using hand tools up to 0.2 mbgl to target shallow impacts associated with the flood event.
- Chemical analysis at a NATA accredited laboratory for selected analytes.
- Preparation of this report.

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## 2. SITE INFORMATION

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### 2.1 SITE LOCATION

The site location information is summarised in Table 2.1 below:

**Table 2.1: Site Information**

| Item                       | Description                                           |
|----------------------------|-------------------------------------------------------|
| Site Address               | Broadwater Public School, 9 Byrnes Street, Broadwater |
| Site Area                  | Approximately 9,000 m <sup>2</sup>                    |
| Development Area           | 7530m <sup>2</sup>                                    |
| Title Identification       | Lot 4, 5, DP 1043232 / Lot 501, DP755624              |
| Current Land Zoning        | RU1 – Primary Production                              |
| Local Government Authority | Richmond Valley Council                               |
| Current Land Use           | Educational Establishment                             |
| Proposed Land Use          | Educational Establishment                             |

### 2.2 SITE DESCRIPTION

An experienced environmental scientist attended the site to undertake a walkover on 3 July 2023. The following observations were made:

- The site was observed to be predominately grass covered with areas of hardstand in good condition.
- The school was unoccupied at the time of the walkover and is understood to be closed to students/teachers. Flood damaged buildings were barricaded with chain link fencing.
- Upon inspection of the exterior of the unoccupied, flood damaged buildings and given the observed age it is considered possible for building materials to comprise asbestos containing material (ACM).
- Foundations of a previous structure were observed in two locations, to the south and to the west of the playground. These areas contained cinder blocks, PVC pipes, bricks and sandy surface soils. No asbestos containing material (ACM) was identified.
- A septic tank was observed in the ground to the north of the playground.
- One grass covered stockpile (2m x 1m x 1m) was identified towards the northeast boundary, comprising grey sandy soils. Visual observations were obscured by the grass cover, however anthropogenic material was not identified.
- A drainage culvert was observed offsite in the southwest corner.

### 2.3 SURROUNDING LAND USES

Table 2.2 summarises the uses of surrounding land based on observations made from accessible areas within the site and site boundary during the walkover, and a review of recent, web-based aerial imagery.

**Table 2.2: Surrounding Land Uses**

| Direction |                                                                                                           |
|-----------|-----------------------------------------------------------------------------------------------------------|
| North     | A residential property to the immediate northern boundary with Blackwall Drive and Richmond River beyond. |
| East      | Agricultural land                                                                                         |
| South     | Byrnes Street and residential areas.                                                                      |
| West      | Blackwall Drive and Richmond River beyond.                                                                |

### 3. ENVIRONMENTAL SITE SETTING

Table 3.1 presents a summary of information to describe the environmental setting of the site and surrounding land.

**Table 3.1: Summary of Environmental Setting of Site and Surrounding Land**

| Aspect                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topography                               | Available topographic mapping shows regional topography is relatively flat. From east to west of the site, the elevation is recorded to be between 2-3mAHD                                                                                                                                                                                                                                                                                                                                                                        |
| Geology & Soil Landscape                 | Based on the NSW Seamless Geology Map, the Broadwater Public School site is primarily composed of Quaternary alluvium (Q <sub>al</sub> ), which consists of “fluvially deposited fine to medium grained lithic to quartz-rich sand, silt and clay”.<br>Available soil landscape information from the eSPADE website <sup>2</sup> indicated the site is located within the Empire Vale soil landscape, which is characterised as ‘Prairie Soils and Dense Clays overlying poorly drained mixed sediments’.                         |
| Hydrogeology                             | Groundwater was intercepted at 2.1 mbgl and 2.4 mbgl. It is likely groundwater flows through permeable alluvial deposits on site.<br>Available records from Water NSW indicated that within 500m of the site there is one licensed groundwater bore (GW305936) listed for monitoring.                                                                                                                                                                                                                                             |
| Hydrology                                | Richmond River is situated approximately 30m to the west of the site.<br>Richmond River is a tidal watercourse which flows in a north easterly direction towards the sea.                                                                                                                                                                                                                                                                                                                                                         |
| Acid Sulfate Soils Risk / Classification | The site is situated within a Class 3 Acid Sulfate Soil area under the Richmond Valley Local Environment Plan 2012.<br>The site is within an area determined to have a high probability of encountering acid sulfate soils at 1-3mBGL according to the Acid Sulfate Soil Risk maps prepared by the Department of Land and Water Conservation 1998.<br>Review of the eSPADE website for acid sulfate soil (ASS) risk mapping indicated the site is within an area of high probability for ASS to occur <1-3m below ground surface. |

<sup>2</sup> Available: <https://www.environment.nsw.gov.au/eSpade2Webapp/>

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## 4. SITE HISTORY

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### 4.1 HISTORIC AERIAL PHOTOGRAPHS

A review of historical aerial photographs supplied by NSW Government Historical Imagery website is summarised in Table 4.1 below. The historical aerial photographs reviewed are provided in Appendix A

**Table 4.1: Summary of historic land uses based on aerial photographs**

| Date | Site Features                                                                                                                                                              | Features of Surrounding Land                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1958 | The site appears predominately vacant with sporadic trees and a structure in the southwest corner of the site.                                                             | The surrounding land comprises residential areas towards the north and south with Blackwall Drive and Richmond River towards the west. Sectioned agricultural land is observed along the eastern boundary |
| 1964 | The site appears to remain unchanged from the previous aerial photograph, with the exception of an additional structure developed in the southwest corner of the site.     | The surrounding land appears relatively unchanged from the previous aerial photograph.                                                                                                                    |
| 1979 | The site surface appears disturbed, additional trees and vegetation is observed on site.                                                                                   | Byrnes Street and a cul-de-sac has been developed to connect the site to Blackwell Drive.                                                                                                                 |
| 1987 | The site surface appears to have been levelled.                                                                                                                            | The surrounding land appears relatively unchanged from the previous aerial photograph.                                                                                                                    |
| 1998 | A building has been constructed in the western portion of the site. A line of trees have developed along the eastern boundary.                                             | A building has been constructed to the north of the site.                                                                                                                                                 |
| 2012 | A large tree has been cleared from the north west portion, exposing a building in this area. A hard stand car park has been developed in the southern portion of the site. | The building in the north been extended towards the south west.                                                                                                                                           |
| 2022 | The site appears relatively unchanged from the previous aerial photograph.                                                                                                 | The site appears relatively unchanged from the previous aerial photograph.                                                                                                                                |

## 4.2 PUBLIC RECORDS AND REGISTERS

**Table 4.2: Summary of Records from Public Records and Registers**

| Register                                                   | Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NSW EPA Contaminated Land Public Record<sup>3</sup></b> | A search of the List of NSW Contaminated Sites Notified to NSW EPA updated 9 May 2023 was undertaken. The search indicates that the site, or properties within a 500m radius of the site, had not been notified to the NSW EPA under Section 60 of the Contaminated Land Management Act 1997.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>NSW POEO Public Registers</b>                           | <p>A search of the NSW EPA POEO Public Registers, was undertaken on 18 July 2023 for:</p> <ul style="list-style-type: none"><li>Activities licensed by the NSW EPA under Schedule 1 of the POEO Act 1997.</li><li>Unlicensed premises regulated by the NSW EPA.</li></ul> <p>The search identified the following licensed activities within or in close proximity to the site:</p> <ul style="list-style-type: none"><li>General agricultural processing by Manildra Stock Feeds (Manufacturing) Pty Ltd and New South Wales Sugar Milling Co-Operative limited at the Broadwater Mill located approximately 1000m to the southwest of the site.</li><li>Generation of electrical power otherwise than from coal, diesel or gas by Cape Byron Management Pty Ltd at the Broadwater Cogeneration Power Plant approximately 1000m to the southwest of the site.</li></ul> <p>Former delicensed activities include the application of herbicides along waterways throughout NSW.</p> |
| <b>Former Gasworks</b>                                     | A search of NSW EPA List of Former Gasworks <sup>4</sup> was undertaken on the 9 June 2023. The search indicated that there are no known gasworks at or within 500m of the Site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Waste Management Facilities</b>                         | A search of the National Waste Reporting Mapping Tool undertaken on 9 June 2023. The search identified no waste transfer facilities or landfill sites within the site or within 500m of the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>NSW Government PFAS Investigation Programme</b>         | <p>The NSW EPA is leading an investigation program to assess the legacy of Per- and poly-fluoroalkyl substances (PFAS) use across NSW. Current investigations are focused on sites where it is likely that large quantities of PFAS have been used.</p> <p>A search of the NSW EPA website<sup>5</sup> undertaken on 9 June 2023 did not identify properties within 1,000m of the site which are being investigated for PFAS use under the NSW Government PFAS Investigation Program.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Known James Hardie Waste Disposal Sites</b>             | <p>The NSW EPA published a summary project report titled Regulation Project – James Hardie Asbestos Waste Contamination Legacy in 2012. This report presented a summary of asbestos impacted sites resulting from former operations of James Hardie Industries and related entities (James Hardie).</p> <p>A review of the report indicates that the site is not listed as a known James Hardie Waste Disposal Site, and no known James Hardie disposal site is listed within 1,000m of the Site.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

<sup>3</sup> Available: <https://www.epa.nsw.gov.au/your-environment/contaminated-land/notified-and-regulated-contaminated-land/list-of-notified-sites>

<sup>4</sup> <https://www.epa.nsw.gov.au/your-environment/contaminated-land/other-contamination-issues/former-gasworks-sites>

<sup>5</sup> <https://www.epa.nsw.gov.au/your-environment/contaminated-land/pfas-investigation-program>

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## 4.3 PREVIOUS ENVIRONMENTAL ASSESSMENTS

No previous environmental assessments were provided for review from ADCO.

## 4.4 SECTION 10.7 PLANNING CERTIFICATE

Coffey obtained the Section 10.7 Planning Certificate for Lot 5 of DP1043232. Coffey reviewed this certificate, noting the following in relation to contaminated land:

- These lots have not been designated significantly contaminated land or is the subject of an approved voluntary management proposal, ongoing maintenance order or has previously been the subject of a site audit statement.
- These lots have not been listed on the Loose Fill Asbestos Register, as maintained by NSW Fair Trading.
- The subject site is identified as being part of a biological conservation area (Coastal Management SEPP – Environment Area).

## 4.5 SUMMARY OF SITE INFORMATION

Based on the review of site history and publicly available information sources, a summary of site history information is provided below.

- The site appears to have maintained buildings on the land since prior to the 1958 aerial photograph.
- The site has not been listed on any public registers in relation to contamination.
- Surrounding areas appear to be for agricultural uses and rural residential from the period the aerial photographs were reviewed.

## 4.6 INTEGRITY ASSESSMENT OF INFORMATION REVIEWED

The following information sources were referred to for this assessment.

- Historic aerial photographs for the period between 1958 and 2023.
- Section 10.7 Planning Certificate.
- Public registers, records and maps maintained and provided by various government departments; and
- Observations and interviews made in the field during the site walkover.

The site inspection was made from accessible areas of the site, which included observations from property boundaries.

The planning certificate indicates that the site has not been designated significantly contaminated land or designated orders in relation to contamination. Public registers did not indicate any items of concern in relation to contamination.

Historic aerial photographs were reviewed for the period between 1958 and 2023. This source of information used to describe these historic land uses is considered to be reliable and suitable to inform the preliminary assessment of potential contamination.

## 5. CONCEPTUAL SITE MODEL

A conceptual side model (CSM) was developed based on the information reviewed and observations made during a site inspection. A CSM is a representation of site-related information regarding potential sources of contamination, receptors and exposure pathways.

Contamination, if not managed appropriately could pose a potential risk to human health or the environment. For an unacceptable risk to exist, there must be a plausible pollutant linkage between the source and a receptor by means of a transport mechanism (pathway).

### 5.1 AREAS OF ENVIRONMENTAL CONCERN

Based on the information reviewed, the following AEC have been identified in Table 5.1 below.

**Table 5.1: Areas of Environmental Concern and Contaminants of Potential Concern**

| AEC                          | Location                                     | Description of AEC                                                                                                                                                                                               | COPC                                                                                                                                                               |
|------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fill material/flood material | Exposed surface soils across the site        | Whilst on site observations did not identify significant, flood related impacts to surface soils, it is possible that flood waters may deposit contaminants and contaminated material from the surrounding area. | Fill and/or flood material may contain a range of potential contaminants, including hydrocarbon residues (TRH, BTEX, PAH), pesticides (OCP, OPP), metals, asbestos |
| Hazardous building materials | Central portion of site (multiple buildings) | Structures on site have potential to contain hazardous building materials (e.g., asbestos, lead-based paint residues, which may enter surface soils due to poor demolition practices or weathering over time.    | Heavy metals, asbestos                                                                                                                                             |

**COPC Abbreviations:**

TRH: Total recoverable hydrocarbons

BTEX: Benzene, toluene, ethylbenzene and xylene

PAH: Polycyclic aromatic hydrocarbons

OCP: Organochlorine pesticides

OPP: Organophosphorus Pesticides

### 5.2 RECEPTORS, POTENTIAL TRANSPORT MECHANISMS & EXPOSURE PATHWAYS

Table 5.2 summarises the potentially affected media, key potential receptors and transport mechanisms in the context of the proposed development. The following receptors were considered:

- Current site users
- Site visitors including construction or maintenance workers
- Terrestrial ecology including mature trees and protected biodiversity areas

**Table 5.2: Summary of potentially affected media, receptors, transport mechanisms and exposure routes**

| Source & Media                                                       | Receptor                                                                                                           | Pathway                                                                                                               | Likelihood of Exposure                                                                                                                                      |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Soil – fill material from historical placements or flood deposition. | Construction worker undertaking ground disturbance activities.<br>School users and visitors<br>Terrestrial Ecology | Dermal contact and accidental ingestion/inhalation of soil/fibres<br>Direct contact and uptake by terrestrial ecology | Low to moderate likelihood – No significant mounding or flood deposit was observed. Pathway potentially complete if the impacted soil is exposed.           |
| Soil - hazardous building materials impact on surface soil.          | Construction worker undertaking ground disturbance activities.<br>School users and visitors<br>Terrestrial ecology | Dermal contact and accidental ingestion/inhalation of soil/fibres<br>Direct contact and uptake by terrestrial ecology | Low to moderate likelihood – Impacts, if present, are typically superficial and/or localised. Pathway potentially complete if the impacted soil is exposed. |

## 6. SAMPLE PLAN AND METHODOLOGY

### 6.1 OVERVIEW

The sampling locations are shown in Figure 1 in Appendix A.

The proposed sampling strategy for the site was established with consideration to the requirements of the *National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPM)* and the NSW *Contaminated Sites: Sampling Design Guidelines* (NSW EPA, 2022) (NSW Sampling Guidelines).

This section summarises the sampling undertaken by Coffey.

### 6.2 SOIL

The site is shown in Figures 2-7 in Appendix A.

Coffey completed a total of nine sampling locations (five surface samples and four boreholes) concurrently with the geotechnical investigation. The locations were positioned across the subject development area to provide general coverage with some of these sampling points targeting the weathering/remnants of hazardous building materials in the vicinity of existing/demolished buildings.

The sampling locations were able to reach proposed target depths, with the exception of C-BH1, due to refusal on bedrock at 9.45 mbgl.

Overall, the sampling completed is considered to present reasonable coverage to enable identification of contamination constraints for the proposed development.

The soil sampling locations are shown in Figure 1 in Appendix A. A summary of the vertical profile is provided in Section 8.

The soil sampling methodology is described in Table 6.1 below.

**Table 6.1: Soil Sampling Methodology**

| Activity           | Detail / Comments                                                                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drilling method    | Boreholes extended to depths of between 1.0 m and 11.0 mbgl using a combination of a hand auger and a drill rig.                                                                                                       |
| Sampling Frequency | Samples were collected from the near surface and then at selected intervals in fill materials based on signs of contamination. Deeper soil samples were collected from natural material for acid sulfate soil testing. |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    | Suspected asbestos-containing materials (ACM) were not observed at the sampling locations. Selected samples were collected for asbestos identification screening.                                                                                                                                                                                                                                                                                                                                                                      |
| Surface sampling                   | Surface samples were collected by gloved hand or with the aid of hand tools.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Soil Sampling Containers           | Soil samples were placed in clean acid washed glass jars supplied by the laboratory and sealed with a Teflon-lined lid. Laboratory provided plastic sample bags were used for asbestos analysis and acid sulfate soils.                                                                                                                                                                                                                                                                                                                |
| Sample collection                  | Each soil sample was collected with new nitrile gloves to reduce the potential for cross contamination. The samples were generally collected from the split spoon sampler.                                                                                                                                                                                                                                                                                                                                                             |
| Soil Logging                       | Soil samples were logged by a suitably qualified and experienced Coffey environmental scientist in accordance with Coffey's relevant Standard Operating Practice (SOP), based on AS 1726-2017. Presence or absence of anthropogenic material and contamination (i.e., odours or staining) was recorded on the borehole logs.                                                                                                                                                                                                           |
| Sample Handling and Transportation | Sample collection, storage and transport was conducted in general accordance with Coffey's SOP. Soil samples were placed into laboratory prepared and supplied glass jars, fitted with Teflon lined seals to limit possible volatile loss. Sample jars were filled to minimise headspace. Separate samples for asbestos analysis were collected and placed in double zip lock bags. The samples were placed into ice chilled coolers and dispatched to NATA accredited laboratories for analysis under chain of custody (COC) control. |
| QA/QC Samples                      | To measure the accuracy and precision of the data generated by the field and laboratory procedures for this assessment, Coffey collected and analyse QC samples in general accordance with Coffey's standard operating procedures (SOP) and industry's guidelines.                                                                                                                                                                                                                                                                     |

Samples were analysed by laboratories holding accreditation to ISO 17025 General requirements for the competence of testing and calibration laboratories and using National Association of Testing Authorities (NATA) accredited methods.

## 7. ASSESSMENT CRITERIA

To assess the significance of contaminant concentrations in soil, reference was primarily made to NEPM 2013, specifically 'Schedule B1 Guideline on Investigation Levels for Soil and Groundwater' (Schedule B1) for assessment criteria, where available.

Schedule B1 provides a framework for the use of investigation and screening levels based on human health and ecological risks. In the absence of relative criteria in NEPM 2013, reference was made to other appropriate state, national or international guideline.

**Table 7.1: Adopted Soil Assessment Criteria**

| Criteria Adopted                                                                  | Reference       | Receptors/Relevance                           | Pathway/Comments                                           |
|-----------------------------------------------------------------------------------|-----------------|-----------------------------------------------|------------------------------------------------------------|
| HIL-A for non-volatile contaminants                                               | ASC NEPM (2013) | Primary school receptors                      | Dermal contact and ingestion                               |
| HSL-A for petroleum volatiles, sand                                               | ASC NEPM (2013) | Primary school receptors in buildings         | Inhalation                                                 |
| HSL intrusive maintenance worker 0m to <2m, fine grained, for petroleum volatiles | CRC CARE (2011) | Intrusive maintenance worker (shallow trench) | Inhalation                                                 |
| HSL-A for direct contact, for petroleum contaminants                              | CRC CARE (2011) | Primary school receptors                      | Dermal contact and inhalation                              |
| Management limits, residential, parkland and public open space,                   | ASC NEPM (2013) | Primary school setting                        | Formation of LNAPL, fire and explosion and property damage |

|                                                                                                 |                                         |                                           |                                                 |
|-------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------|-------------------------------------------------|
| coarse grained soil texture, for petroleum TPH fractions                                        |                                         |                                           |                                                 |
| EIL and ESL for residential and open space, coarse grained soil texture, for soil contaminants^ | ASC NEPM (2013) & Olszowy et al (1995)^ | Plants and terrestrial organisms (top 2m) | Leaching, adsorption, intake or direct exposure |
| HSL-A for asbestos                                                                              | ASC NEPM (2013)                         | Primary school receptors                  | Inhalation                                      |

^ EIL developed based on pH of 5.5, CEC of 5cmolc/kg, iron content of 0.3%, in a low traffic old suburb setting

## 8. RESULTS

### 8.1 SUBSURFACE CONDITIONS

Subsurface conditions are summarised in Table 8.1. Borehole logs are shown in Appendix E.

**Table 8.1:** Vertical Profile Overview

| Fill/<br>Natural | Depth (mbgl) | Material Description                                 |
|------------------|--------------|------------------------------------------------------|
| Fill             | 0.0 – 0.2    | SAND – fine to coarse grained, brown, trace rootlets |
| Natural          | 0.2 – 1.0    | Sandy CLAY – brown                                   |
| Natural          | 1.0 – 7.0    | CLAY – brown mottled orange, trace sand              |
| Natural          | 7.0 – 10.0   | Silty SAND – fine to coarse grained, brown/yellow    |

During the investigation, materials suspected to be asbestos containing material (ACM) were not apparent in or around the borehole/sampling locations. Furthermore, indicators of contamination (staining, demolition waste, odorous soil etc.) were not apparent during the investigation.

---

## 9. ANALYTICAL RESULTS

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### 9.1 SOIL

The laboratory results are presented in Table I1 in Appendix I and indicate that the current and previous results were all within the site assessment criteria (SAC).

#### 9.1.1 Heavy Metals

Heavy metals were not detected above the LOR in any of the samples tested.

#### 9.1.2 BTEX

BTEX compounds were not detected above the laboratory limit of reporting (LOR) in any of the samples tested.

#### 9.1.3 Organochlorine Pesticides

OCP compounds were not detected above the LOR in any of the samples tested.

#### 9.1.4 Total Petroleum Hydrocarbons

TPH compounds were either not detected above the LOR or were detected within the SAC.

#### 9.1.5 Polyaromatic Hydrocarbons

PAH were either not detected above the LOR or were detected within the SAC.

#### 9.1.6 Pesticides

Pesticides were not detected above the LOR in any of the samples tested.

#### 9.1.7 Asbestos

Asbestos was not detected above the reporting limit in any of the samples tested.

### 9.2 PRELIMINARY WASTE CLASSIFICATION

The assessed shallow soils are likely to meet the General Solid Waste (non-putrescible) criteria when TCLP results are considered, subject to further confirmation/characterisation and acid sulfate soils considerations (where applicable).

### 9.3 ACID SULFATE SOIL ASSESSMENT

Two deeper samples (approx. 7m depth) were assessed for acid sulfate soils properties.  $\text{pH}_{(f)}$  values were reported to range from 5.7 to 6.4, not indicative of actual acid sulfate soils (AASS).  $\text{pH}_{(ox)}$  values were reported to range from 2.6 to 3.3, indicative of potential acid sulfate soils (PASS).

---

## 9.4 QUALITY CONTROLS AND DATA USEABILITY

Coffey has reviewed the quality control (QC) results and considers the data reasonably representative for the purposes of this report. The majority of the field and laboratory QC results is generally reported within the acceptable control limits. The data is considered useable for this contamination investigation.

## 10. CONCLUSIONS AND RECOMMENDATIONS

---

Based on our investigation findings, Coffey considers that:

- No unacceptable human health soil impacts were identified in the investigation area
- No unacceptable ecological soil impacts were identified in the investigation area

The investigation area is considered suitable for the proposed development with respect to contamination, subject to:

- Implementation of an unexpected finds protocol
- Appropriate waste/spoil management

With respect to the acid sulfate soils, no AASS were detected in the deeper soil samples analysed. PASS are likely to be present in the underlying natural sediments. Whilst foundation/excavation details have not been confirmed, Coffey considers that an Acid Sulfate Soils Management Plan (ASSMP) would likely be required.

This report should be read in conjunction with the attached “Important information about your Coffey Environmental Report”.

## 11. LIMITATIONS

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This contamination assessment was completed as per the scope outlined in Coffey Proposal ref: SYDGE319200-AB. It is applicable to the proposed development and is not intended to identify or address all contamination issues, if present, for the wider school site. Visual assessments during walkover are subject to access and limitations (eg. long grass).

## IMPORTANT INFORMATION ABOUT YOUR TETRA TECH COFFEY ENVIRONMENTAL REPORT

---

### Introduction

This report has been prepared by Tetra Tech Coffey for you, as Tetra Tech Coffey's client, in accordance with our agreed purpose, scope, schedule and budget.

The report has been prepared using accepted procedures and practices of the consulting profession at the time it was prepared, and the opinions, recommendations and conclusions set out in the report are made in accordance with generally accepted principles and practices of that profession.

The report is based on information gained from environmental conditions (including assessment of some or all of soil, groundwater, vapour and surface water) and supplemented by reported data of the local area and professional experience. Assessment has been scoped with consideration to industry standards, regulations, guidelines and your specific requirements, including budget and timing. The characterisation of site conditions is an interpretation of information collected during assessment, in accordance with industry practice.

This interpretation is not a complete description of all material on or in the vicinity of the site, due to the inherent variation in spatial and temporal patterns of contaminant presence and impact in the natural environment. Tetra Tech Coffey may have also relied on data and other information provided by you and other qualified individuals in preparing this report. Tetra Tech Coffey has not verified the accuracy or completeness of such data or information except as otherwise stated in the report. For these reasons the report must be regarded as interpretative, in accordance with industry standards and practice, rather than being a definitive record.

### Your report has been written for a specific purpose

Your report has been developed for a specific purpose as agreed by us and applies only to the site or area investigated. Unless otherwise stated in the report, this report cannot be applied to an adjacent site or area, nor can it be used when the nature of the specific purpose changes from that which we agreed.

For each purpose, a tailored approach to the assessment of potential soil and groundwater contamination is required. In most cases, a key objective is to identify, and if possible quantify, risks that both recognised and potential contamination pose in the context of the agreed purpose. Such risks may be financial (for example, clean up costs or constraints on site use) and/or physical (for example, potential health risks to users of the site or the general public).

### Limitations of the Report

The work was conducted, and the report has been prepared, in response to an agreed purpose and scope, within time and budgetary constraints, and in reliance on certain data and information made available to Tetra Tech Coffey.

The analyses, evaluations, opinions and conclusions presented in this report are based on that purpose and scope, requirements, data or information, and they could change if such requirements or data are inaccurate or incomplete.

This report is valid as of the date of preparation. The condition of the site (including subsurface conditions) and extent or nature of contamination or other environmental hazards can change over time, as a result of either natural processes or human influence. Tetra Tech Coffey should be kept apprised of any such events and should be consulted for further investigations if any changes are noted, particularly during construction activities where excavations often reveal subsurface conditions.

In addition, advancements in professional practice regarding contaminated land and changes in applicable statutes and/or guidelines may affect the validity of this report. Consequently, the currency of conclusions and recommendations in this report should be verified if you propose to use this report more than 6 months after its date of issue.

The report does not include the evaluation or assessment of potential geotechnical engineering constraints of the site.

## Interpretation of factual data

Environmental site assessments identify actual conditions only at those points where samples are taken and on the date collected. Data derived from indirect field measurements, and sometimes other reports on the site, are interpreted by geologists, engineers or scientists to provide an opinion about overall site conditions, their likely impact with respect to the report purpose and recommended actions.

Variations in soil and groundwater conditions may occur between test or sample locations and actual conditions may differ from those inferred to exist. No environmental assessment program, no matter how comprehensive, can reveal all subsurface details and anomalies. Similarly, no professional, no matter how well qualified, can reveal what is hidden by earth, rock or changed through time.

The actual interface between different materials may be far more gradual or abrupt than assumed based on the facts obtained. Nothing can be done to change the actual site conditions which exist, but steps can be taken to reduce the impact of unexpected conditions.

For this reason, parties involved with land acquisition, management and/or redevelopment should retain the services of a suitably qualified and experienced environmental consultant through the development and use of the site to identify variances, conduct additional tests if required, and recommend solutions to unexpected conditions or other unrecognised features encountered on site. Tetra Tech Coffey would be pleased to assist with any investigation or advice in such circumstances.

## Recommendations in this report

This report assumes, in accordance with industry practice, that the site conditions recognised through discrete sampling are representative of actual conditions throughout the investigation area. Recommendations are based on the resulting interpretation.

Should further data be obtained that differs from the data on which the report recommendations are based (such as through excavation or other additional assessment), then the recommendations would need to be reviewed and may need to be revised.

## Report for benefit of client

Unless otherwise agreed between us, the report has been prepared for your benefit and no other party. Other parties should not rely upon the report or the accuracy or completeness of any recommendation and should make their own enquiries and obtain independent advice in relation to such matters.

Tetra Tech Coffey assumes no responsibility and will not be liable to any other person or organisation for, or in relation to, any matter dealt with or conclusions expressed in the report, or for any loss or damage suffered by any other person or organisation arising from matters dealt with or conclusions expressed in the report.

To avoid misuse of the information presented in your report, we recommend that Tetra Tech Coffey be consulted before the report is provided to another party who may not be familiar with the background and the purpose of the report. In particular, an environmental disclosure report for a property vendor may not be suitable for satisfying the needs of that property's purchaser. This report should not be applied for any purpose other than that stated in the report.

## Interpretation by other professionals

Costly problems can occur when other professionals develop their plans based on misinterpretations of a report. To help avoid misinterpretations, a suitably qualified and experienced environmental consultant should be retained to explain the implications of the report to other professionals referring to the report and then review plans and specifications produced to see how other professionals have incorporated the report findings.

Given Tetra Tech Coffey prepared the report and has familiarity with the site, Tetra Tech Coffey is well placed to provide such assistance. If another party is engaged to interpret the recommendations of the report, there is a risk that the contents of the report may be misinterpreted and Tetra Tech Coffey disowns any responsibility for such misinterpretation.

## Data should not be separated from the report

The report as a whole presents the findings of the site assessment and the report should not be copied in part or altered in any way. Logs, figures, laboratory data, drawings, etc. are customarily included in our reports and are developed by scientists or engineers based on their interpretation of field logs, field testing and laboratory evaluation of samples. This information should not under any circumstances be redrawn for inclusion in other documents or separated from the report in any way.

This report should be reproduced in full. No responsibility is accepted for use of any part of this report in any other context or for any other purpose or by third parties.

## Responsibility

Environmental reporting relies on interpretation of factual information using professional judgement and opinion and has a level of uncertainty attached to it, which is much less exact than other design disciplines. This has often resulted in claims being lodged against consultants, which are unfounded. As noted earlier, the recommendations and findings set out in this report should only be regarded as interpretive and should not be taken as accurate and complete information about all environmental media at all depths and locations across the site.

---

## APPENDIX A: FIGURES

---



#### LEGEND

-  2022 Geotechnical boreholes by DP
-  2023 Geotechnical boreholes by Coffey
-  2023 Environmental boreholes by Coffey
-  Approximate Surface Sample

|               |            |
|---------------|------------|
| drawn         | IG         |
| approved      | VN         |
| date          | 13/07/2023 |
| scale         | NTC        |
| original size | A4         |

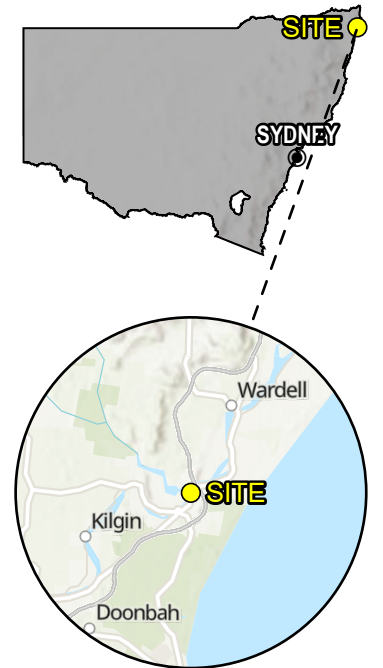


|             |                               |              |
|-------------|-------------------------------|--------------|
| client:     | ADCO Construction Pty Ltd     |              |
| project:    | Northern River School Cluster |              |
| title:      | Borehole Location Plan        |              |
| project no: | SYDGE319200                   | figure no: 1 |

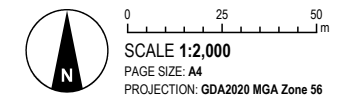


### LEGEND

- Property boundary
- Site boundary



**SOURCE**  
 Site boundary from Tetra Tech Coffey.  
 Property boundary and road names from NSW government.  
 Aerial imagery from NSW Government Portal (capture date 1958)  
 approximately georeferenced by Tetra Tech Coffey.



**ADCO CONSTRUCTIONS**  
 9 BYRNES STREET, BROADWATER NSW  
 PRELIMINARY SITE INVESTIGATION

### FIGURE 2

**Aerial Imagery  
 1958**



DATE: 09.06.23 PROJECT: 754-SYDGE319200 FILE: 319200\_PSI\_R01\_F010\_GIS

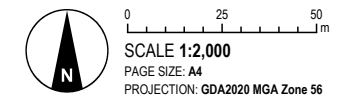


### LEGEND

- Property boundary
- Site boundary



**SOURCE**  
 Site boundary from Tetra Tech Coffey.  
 Property boundary and road names from NSW government.  
 Aerial imagery from NSW Government Portal (capture date 1964)  
 approximately georeferenced by Tetra Tech Coffey.



**ADCO CONSTRUCTIONS**  
 9 BYRNES STREET, BROADWATER NSW  
 PRELIMINARY SITE INVESTIGATION

**FIGURE 3**  
 Aerial Imagery  
 1964



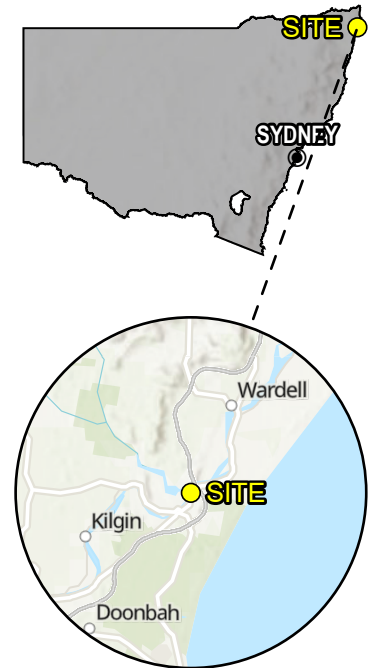
DATE: 09.06.23 PROJECT: 754-SYDGE319200 FILE: 319200\_PSI\_R01\_F011\_GIS

DISCLAIMER: THIS FIGURE HAS BEEN PRODUCED FOR INTERNAL REVIEW ONLY AND MAY CONTAIN INCONSISTENCIES OR OMISSIONS. IT IS NOT INTENDED FOR PUBLICATION.

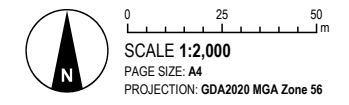


### LEGEND

- Property boundary
- Site boundary



**SOURCE**  
 Site boundary from Tetra Tech Coffey.  
 Property boundary and road names from NSW government.  
 Aerial imagery from NSW Government Portal (capture date 1979)  
 approximately georeferenced by Tetra Tech Coffey.



**ADCO CONSTRUCTIONS**  
 9 BYRNES STREET, BROADWATER NSW  
 PRELIMINARY SITE INVESTIGATION

### FIGURE 4

**Aerial Imagery**  
 1979



DATE: 09.06.23 PROJECT: 754-SYDGE319200 FILE: 319200\_PSI\_R01\_F012\_GIS

DISCLAIMER: THIS FIGURE HAS BEEN PRODUCED FOR INTERNAL REVIEW ONLY AND MAY CONTAIN INCONSISTENCIES OR OMISSIONS. IT IS NOT INTENDED FOR PUBLICATION.

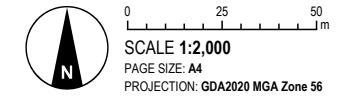


#### LEGEND

- Property boundary
- Site boundary



**SOURCE**  
 Site boundary from Tetra Tech Coffey.  
 Property boundary and road names from NSW government.  
 Aerial imagery from NSW Government Portal (capture date 1987)  
 approximately georeferenced by Tetra Tech Coffey.



#### ADCO CONSTRUCTIONS

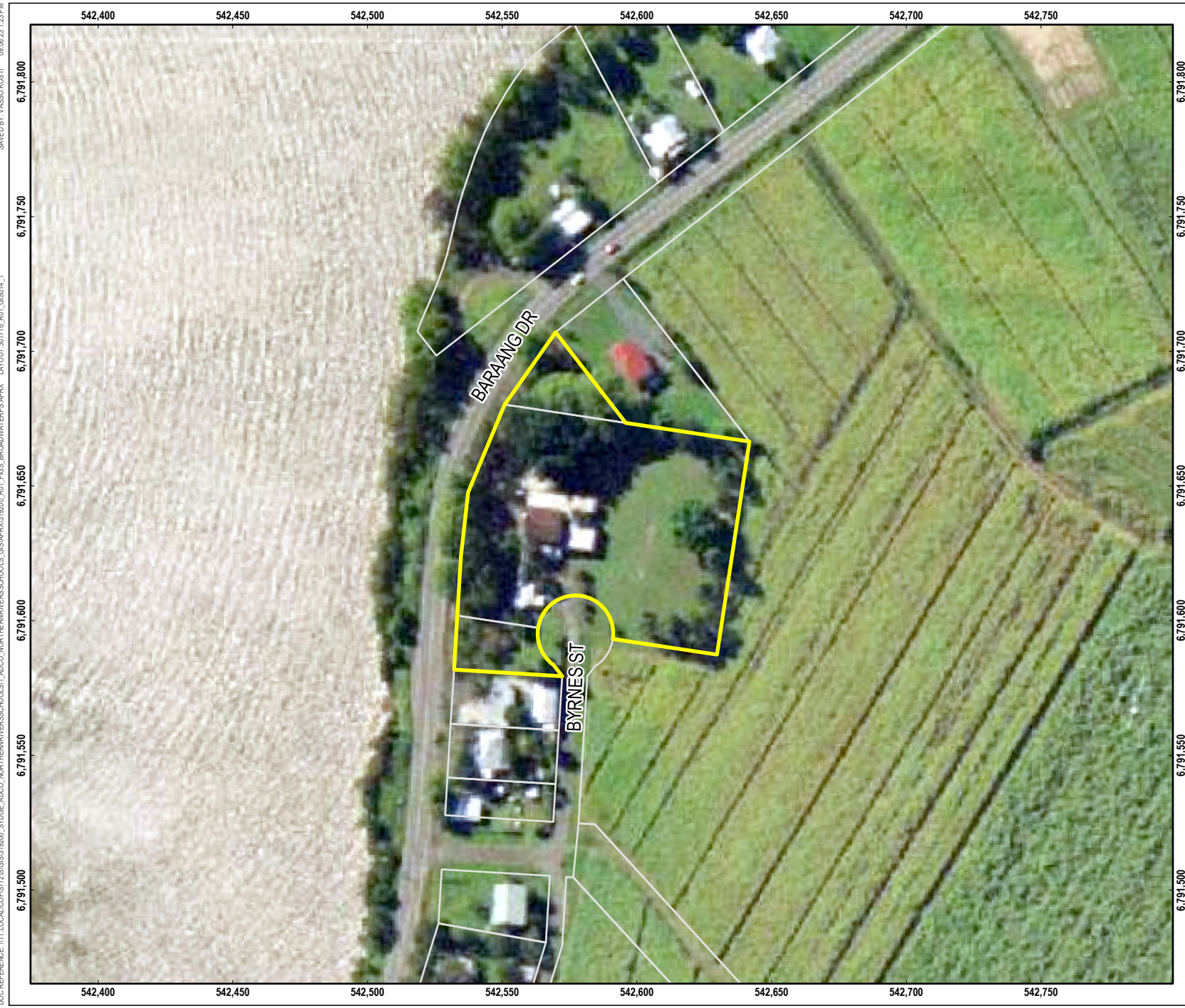
9 BYRNES STREET, BROADWATER NSW  
 PRELIMINARY SITE INVESTIGATION

#### FIGURE 5

**Aerial Imagery  
 1987**

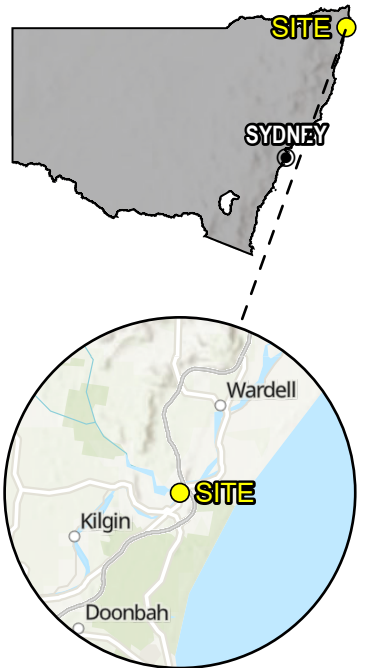


DATE: 09.06.23 PROJECT: 754-SYDGE319200 FILE: 319200\_PSI\_R01\_F013\_GIS

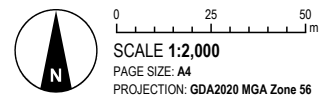


LEGEND

- Property boundary
- Site boundary



SOURCE  
Site boundary from Tetra Tech Coffey.  
Property boundary and road names from NSW government.  
Aerial imagery from NSW Government Portal (capture date 1998)  
approximately georeferenced by Tetra Tech Coffey.



ADCO CONSTRUCTIONS  
9 BYRNES STREET, BROADWATER NSW  
PRELIMINARY SITE INVESTIGATION

FIGURE 6

Aerial Imagery  
1998



DATE: 09.06.23 PROJECT: 754-SYDGE319200 FILE: 319200\_PSI\_R01\_F014\_GIS

DOC REFERENCE: \\T:\LOCAL\CD\572\GIS\319200\_SYDGE\_ADCO\_NORTHERNRIVERSCHOOLS\_GIS\APR\319200\_R01\_F05\_BROADWATERPS.APRX\_LAYOUT\301716\_R01\_GIS\015\_1  
SAVED BY: VASSO, COSTI 09/06/23 1:23 PM



**LEGEND**

- Property boundary
- Site boundary

**SOURCE**

Site boundary from Tetra Tech Coffey.  
Property boundary and road names from NSW government.  
Aerial imagery from Neamap (capture date 29/02/2012).

SCALE 1:2,000  
PAGE SIZE: A4  
PROJECTION: GDA2020 MGA Zone 56

**ADCO CONSTRUCTIONS**

9 BYRNES STREET, BROADWATER NSW  
PRELIMINARY SITE INVESTIGATION

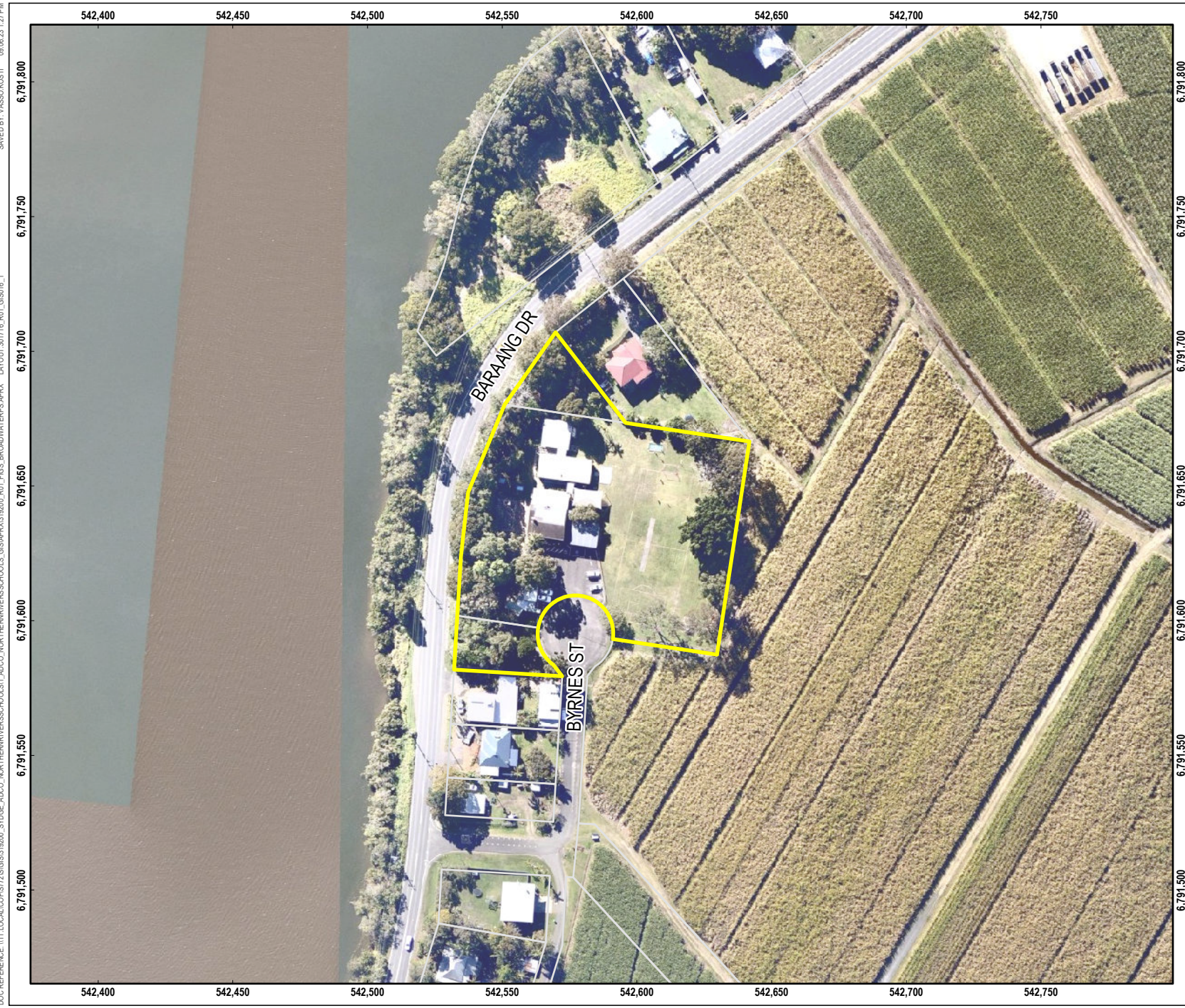
**FIGURE 7**

**Aerial Imagery**  
**2012**

**TETRA TECH**  
COFFEY

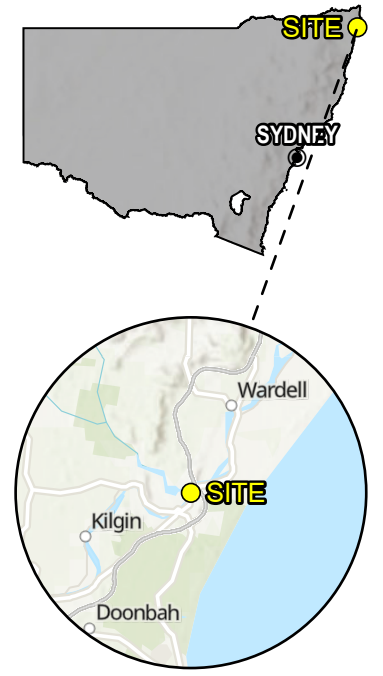
DATE: 09.06.23 PROJECT: 754-SYDGE319200 FILE: 319200\_PSI\_R01\_F015\_GIS

DISCLAIMER: THIS FIGURE HAS BEEN PRODUCED FOR INTERNAL REVIEW ONLY AND MAY CONTAIN INCONSISTENCIES OR OMISSIONS. IT IS NOT INTENDED FOR PUBLICATION.



LEGEND

- Property boundary
- Site boundary



SOURCE  
Site boundary from Tetra Tech Coffey.  
Property boundary and road names from NSW government.  
Aerial imagery from Neamap (capture date 16/07/2022).

0 25 50 m  
SCALE 1:2,000  
PAGE SIZE: A4  
PROJECTION: GDA2020 MGA Zone 56

ADCO CONSTRUCTIONS  
9 BYRNES STREET, BROADWATER NSW  
PRELIMINARY SITE INVESTIGATION

FIGURE 8  
Aerial Imagery  
2022



DATE: 09.06.23 PROJECT: 754-SYDGE319200 FILE: 319200\_PSI\_R01\_F016\_GIS

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## APPENDIX B: PHOTOGRAPHS

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**Photograph 1:** Unoccupied, flood damaged buildings barricaded with chain link fencing



**Photograph 2:** Foundations of a previous structure, cinder blocks and PVC pipes, located west of the playground



**Photograph 3:** Foundations of a previous structure, bricks, located south of the playground



**Photograph 4:** Stockpile, comprising sandy soils, located within the north east portion of the site



**Photograph 5:** drainage culvert located offsite in the southwest corner.



**Photograph 6:** Example of clay surface soils at SS2

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## APPENDIX C: LABORATORY REPORT AND SUMMARY TABLES

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|                                                                        | Physical Parameters            |                                  | Metals  |         |                   |        |      |      |         |        |       |                       |   |                       |   |              |
|------------------------------------------------------------------------|--------------------------------|----------------------------------|---------|---------|-------------------|--------|------|------|---------|--------|-------|-----------------------|---|-----------------------|---|--------------|
|                                                                        | Cation Exchange Capacity (CEC) | Moisture Content (dried @ 103°C) | Arsenic | Cadmium | Chromium (III+VI) | Copper | Iron | Lead | Mercury | Nickel | Zinc  | Benzene               |   | Toluene               |   | Ethylbenzene |
|                                                                        |                                |                                  |         |         |                   |        |      |      |         |        |       |                       |   |                       |   |              |
| EQL                                                                    | 0.5                            | 1                                | 2       | 0.4     | 5                 | 5      | 20   | 5    | 0.1     | 5      | 5     | 0.1                   | 1 | 0.1                   | 1 | 0.1          |
| CRC Care HSL-AResidential(Low Density)                                 | -                              | -                                | -       | -       | -                 | -      | -    | -    | -       | -      | -     | 100                   | - | 14,000                | - | 4,500        |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | -                              | -                                | 100     | 20      | -                 | 6,000  | -    | 300  | 40      | 400    | 7,400 | -                     | - | -                     | - | -            |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | -                              | -                                | -       | -       | -                 | -      | -    | -    | -       | -      | -     | 0.5   0.5   0.5   0.5 | - | 160   220   310   540 | - | 55           |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -                              | -                                | 100     | -       | 190               | 65     | -    | 1100 | -       | 35     | 190   | -                     | - | -                     | - | -            |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | -                              | -                                | -       | -       | -                 | -      | -    | -    | -       | -      | -     | 50                    | - | 85                    | - | 70           |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -                              | -                                | -       | -       | -                 | -      | -    | -    | -       | -      | -     | -                     | - | -                     | - | -            |

| Field ID             | Date        | Lab Report Number | Sample Code   |     |      |     |      |     |     |       |     |      |     |     |      |   |      |      |
|----------------------|-------------|-------------------|---------------|-----|------|-----|------|-----|-----|-------|-----|------|-----|-----|------|---|------|------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | 2.8 | 11   | <2  | <0.4 | <5  | <5  | 1,700 | 10  | <0.1 | <5  | 15  | <0.1 | - | <0.1 | <0.1 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -   | 24   | <2  | <0.4 | 34  | 22  | -     | 10  | <0.1 | 18  | 51  | <0.1 | - | <0.1 | <0.1 |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -   | -    | -   | -    | -   | -   | -     | -   | -    | -   | -   | -    | - | -    | -    |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | 2.2 | 9.2  | <2  | <0.4 | <5  | <5  | 2,200 | 8.6 | <0.1 | <5  | 18  | <0.1 | - | <0.1 | <0.1 |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -   | 31   | 2.0 | <0.4 | 37  | 14  | -     | 10  | <0.1 | 17  | 46  | <0.1 | - | <0.1 | <0.1 |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -   | -    | -   | -    | -   | -   | -     | -   | -    | -   | -   | -    | - | -    | -    |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -   | 19   | <2  | <0.4 | 11  | 6.2 | -     | 13  | <0.1 | 9.0 | 44  | <0.1 | - | <0.1 | <0.1 |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -   | 28   | <2  | <0.4 | 35  | 13  | -     | 9.0 | <0.1 | 12  | 33  | <0.1 | - | <0.1 | <0.1 |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -   | 8.2  | <2  | <0.4 | <5  | <5  | -     | 8.8 | <0.1 | <5  | 22  | <0.1 | - | <0.1 | <0.1 |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -   | 28   | <2  | <0.4 | 34  | 18  | -     | 10  | <0.1 | 17  | 49  | <0.1 | - | <0.1 | <0.1 |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -   | 19   | <2  | <0.4 | <5  | <5  | -     | 5.6 | <0.1 | <5  | 13  | <0.1 | - | <0.1 | <0.1 |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -   | 10.0 | <2  | <0.4 | <5  | <5  | -     | <5  | <0.1 | <5  | 11  | <0.1 | - | <0.1 | <0.1 |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -   | 18   | <2  | <0.4 | 14  | 14  | -     | 43  | 0.1  | 9.7 | 82  | <0.1 | - | <0.1 | <0.1 |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -   | 17   | <2  | <0.4 | 30  | 14  | -     | 27  | <0.1 | 9.1 | 48  | <0.1 | - | <0.1 | <0.1 |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -   | 15   | 3.2 | <0.4 | 7.1 | 7.2 | -     | 15  | <0.1 | <5  | 29  | <0.1 | - | <0.1 | <0.1 |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | 3.0 | 9.8  | <2  | <0.4 | <5  | <5  | 5,100 | 5.4 | <0.1 | <5  | 31  | <0.1 | - | <0.1 | <0.1 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -   | 8.3  | <2  | <0.4 | <5  | <5  | -     | <5  | <0.1 | <5  | 9.3 | <0.1 | - | <0.1 | <0.1 |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -   | -    | -   | -    | -   | -   | -     | -   | -    | -   | -   | <1   | - | <1   | -    |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                                        | BTEX         |                |   |            |   |                    |   |                   |    |                   |               |              |                          |          |         |                      |                     |
|------------------------------------------------------------------------|--------------|----------------|---|------------|---|--------------------|---|-------------------|----|-------------------|---------------|--------------|--------------------------|----------|---------|----------------------|---------------------|
|                                                                        | Ethylbenzene | Xylene (m & p) |   | Xylene (o) |   | Xylene Total       |   | Naphthalene (VOC) |    | Naphthalene (VOC) | ACM - Comment | AF - Comment | Asbestos Reported Result | Mass ACM | Mass AF | Mass Asbestos in ACM | Mass asbestos in AF |
|                                                                        |              |                |   |            |   |                    |   |                   |    |                   |               |              |                          |          |         |                      |                     |
| EQL                                                                    | 1            | 0.2            | 2 | 0.1        | 1 | 0.3                | 3 | 0.5               | 10 |                   |               |              |                          |          |         |                      |                     |
| CRC Care HSL-AResidential(Low Density)                                 | -            | -              | - | -          | - | 12,000             | - | -                 | -  | -                 | -             | -            | -                        | -        | -       | -                    | -                   |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | -            | -              | - | -          | - | -                  | - | -                 | -  | -                 | -             | -            | -                        | -        | -       | -                    | -                   |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | -            | -              | - | -          | - | 40   60   95   170 | - | -                 | -  | -                 | -             | -            | -                        | -        | -       | -                    | -                   |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -            | -              | - | -          | - | -                  | - | 170               | -  | -                 | -             | -            | -                        | -        | -       | -                    | -                   |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | -            | -              | - | -          | - | 105                | - | -                 | -  | -                 | -             | -            | -                        | -        | -       | -                    | -                   |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -            | -              | - | -          | - | -                  | - | -                 | -  | -                 | -             | -            | -                        | -        | -       | -                    | -                   |

| Field ID             | Date        | Lab Report Number | Sample Code   |    |      |    |      |    |      |    |      |     |   |   |   |        |        |   |
|----------------------|-------------|-------------------|---------------|----|------|----|------|----|------|----|------|-----|---|---|---|--------|--------|---|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -  | -    | -  | -    | -  | -    | -  | -    | -   | - | - | - | -      | -      | - |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -  | -    | -  | -    | -  | -    | -  | -    | -   | - | - | - | -      | -      | - |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | 1 | 1 | 1 | 0.0000 | 0.0000 | 0 |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | 1 | 1 | 1 | 0.0000 | 0.0000 | 0 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -  | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | <1 | -    | <2 | -    | <1 | -    | <3 | -    | <10 | - | - | - | -      | -      | - |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                                        | Asbestos            |                          |         |                        |                         |                            |             |                          |                             |                            | NA        | Total Recoverable Hydro |      |                         |      |                |
|------------------------------------------------------------------------|---------------------|--------------------------|---------|------------------------|-------------------------|----------------------------|-------------|--------------------------|-----------------------------|----------------------------|-----------|-------------------------|------|-------------------------|------|----------------|
|                                                                        | Mass Asbestos in FA | Mass Asbestos in FA & AF | Mass FA | Asbestos (ACM in Soil) | Approximate Sample Mass | Asbestos (FA & AF in Soil) | FA- Comment | Organic Fibres - Comment | Respirable Fibres - Comment | Synthetic Fibres - Comment | Tokuthion | F1 (C6 - C10)           |      | F1 (C6 - C10) less BTEX |      | F2 (C10 - C16) |
|                                                                        | g                   | g                        | g       | %w/w                   | g                       | %w/w                       | Comment     | Comment                  | Comment                     | Comment                    | mg/kg     | mg/kg                   | ug/L | mg/kg                   | ug/L | mg/kg          |
| EQL                                                                    | -                   | -                        | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | 0.2       | 20                      | 20   | 20                      | 20   | 50             |
| CRC Care HSL-AResidential(Low Density)                                 | -                   | -                        | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | 4,400                   | -    | -                       | -    | 3,300          |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | -                   | -                        | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                       | -    | -                       | -    | -              |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | -                   | -                        | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                       | -    | 45   70   110   200     | -    | -              |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -                   | -                        | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                       | -    | -                       | -    | -              |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | -                   | -                        | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                       | -    | 180                     | -    | -              |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -                   | -                        | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | 700                     | -    | -                       | -    | 1,000          |

| Field ID             | Date        | Lab Report Number | Sample Code   |   |   |        |   |     |   |   |   |   |   |      |     |     |     |     |
|----------------------|-------------|-------------------|---------------|---|---|--------|---|-----|---|---|---|---|---|------|-----|-----|-----|-----|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | - | - | -      | - | -   | - | - | - | - | - | <0.2 | <20 | -   | <20 | -   |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | - | - | -      | - | -   | - | - | - | - | - | -    | -   | -   | -   | -   |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | - | - | -      | - | -   | - | - | - | - | - | -    | -   | -   | -   | -   |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | 0 | 0 | 0.0000 | 0 | 387 | 0 | 1 | 1 | 0 | 1 | -    | <20 | -   | <20 | -   |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | 0 | 0 | 0.0000 | 0 | 349 | 0 | 1 | 1 | 1 | 1 | <0.2 | <20 | -   | <20 | -   |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | - | - | -      | - | -   | - | - | - | - | - | <20  | -   | <20 | -   | <50 |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | - | - | -      | - | -   | - | - | - | - | - | -    | -   | <20 | -   | <20 |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                                        | carbons                          |                |                |                          | Total Petroleum Hydrocarbons |      |           |           |           |                          | Inorganics                         |       |                                |                          |                                |                       |              |
|------------------------------------------------------------------------|----------------------------------|----------------|----------------|--------------------------|------------------------------|------|-----------|-----------|-----------|--------------------------|------------------------------------|-------|--------------------------------|--------------------------|--------------------------------|-----------------------|--------------|
|                                                                        | F2 C10 - C16 (minus Naphthalene) | F3 (C16 - C34) | F4 (C34 - C40) | C10 - C40 (Sum of total) | C6 - C9                      |      | C10 - C14 | C15 - C28 | C29 - C36 | C10 - C36 (Sum of total) | Conductivity (1:5 aqueous extract) | TOC   | Benzo(a)pyrene TEQ calc (Half) | Benzo(a)pyrene TEQ (LOR) | Benzo(a)pyrene TEQ calc (Zero) | Benzo(b+)fluoranthene | Acenaphthene |
|                                                                        | mg/kg                            | mg/kg          | mg/kg          | mg/kg                    | mg/kg                        | ug/L | mg/kg     | mg/kg     | mg/kg     | mg/kg                    | uS/cm                              | mg/kg | mg/kg                          | mg/kg                    | mg/kg                          | mg/kg                 | mg/kg        |
| EQL                                                                    | 50                               | 100            | 100            | 100                      | 20                           | 20   | 20        | 50        | 50        | 50                       | 10                                 | 1,000 | 0.5                            | 0.5                      | 0.5                            | 0.5                   | 0.5          |
| CRC Care HSL-AResidential(Low Density)                                 | -                                | 4,500          | 6,300          | -                        | -                            | -    | -         | -         | -         | -                        | -                                  | -     | -                              | -                        | -                              | -                     | -            |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | -                                | -              | -              | -                        | -                            | -    | -         | -         | -         | -                        | -                                  | -     | 3                              | 3                        | 3                              | -                     | -            |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | 110   240   440                  | -              | -              | -                        | -                            | -    | -         | -         | -         | -                        | -                                  | -     | -                              | -                        | -                              | -                     | -            |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -                                | -              | -              | -                        | -                            | -    | -         | -         | -         | -                        | -                                  | -     | -                              | -                        | -                              | -                     | -            |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | 120                              | 300            | 2,800          | -                        | -                            | -    | -         | -         | -         | -                        | -                                  | -     | -                              | -                        | -                              | -                     | -            |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -                                | 2,500          | 10,000         | -                        | -                            | -    | -         | -         | -         | -                        | -                                  | -     | -                              | -                        | -                              | -                     | -            |

| Field ID             | Date        | Lab Report Number | Sample Code   |     |      |      |      |     |     |     |     |     |     |     |        |     |     |      |      |
|----------------------|-------------|-------------------|---------------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|------|------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | 12  | 5,000  | 0.6 | 1.2 | <0.5 | <0.5 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -   | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -      | -   | -   | -    | -    |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | <10 | 8,000  | 0.6 | 1.2 | <0.5 | <0.5 |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -   | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -      | -   | -   | -    | -    |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | <10 | 10,000 | 0.6 | 1.2 | <0.5 | <0.5 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | <50 | <100 | <100 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -   | -    | -    | -    | -   | <20 | -   | -   | -   | -   | -   | -      | -   | -   | -    | -    |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                                        | Polycyclic Aromatic Hydrocarbons |            |                   |                 |                      |                      |          |                       |              |          |                         |             |              |        |                     | Halogenated Benzenes |
|------------------------------------------------------------------------|----------------------------------|------------|-------------------|-----------------|----------------------|----------------------|----------|-----------------------|--------------|----------|-------------------------|-------------|--------------|--------|---------------------|----------------------|
|                                                                        | Acenaphthylene                   | Anthracene | Benz(a)anthracene | Benzo(a) pyrene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-c,d)pyrene | Naphthalene | Phenanthrene | Pyrene | PAHs (Sum of total) | Hexachlorobenzene    |
|                                                                        | 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                 | 0.05                 |
| CRC Care HSL-AResidential(Low Density)                                 | -                                | -          | -                 | -               | -                    | -                    | -        | -                     | -            | -        | -                       | 1,400       | -            | -      | -                   | -                    |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | -                                | -          | -                 | -               | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | 300                 | 10                   |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | -                                | -          | -                 | -               | -                    | -                    | -        | -                     | -            | -        | -                       | 3           | -            | -      | -                   | -                    |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -                                | -          | -                 | -               | -                    | -                    | -        | -                     | -            | -        | -                       | 170         | -            | -      | -                   | -                    |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | -                                | -          | -                 | 0.7             | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -                   | -                    |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -                                | -          | -                 | -               | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -                   | -                    |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|----------------------|-------------|-------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <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 | <0.05 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | <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 | -     |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | <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 | -     |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | <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 | -     |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | <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 | -     |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | <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 | -     |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | <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 | -     |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | <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 | -     |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | <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 | -     |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | <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 | -     |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | <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 | -     |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | <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 | -     |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | <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 | -     |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <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 | <0.05 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | <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 | -     |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                                        | OCP                              |                                        | Organop          |                     |                 |              |                     |           |           |           |          |            |            |            |          |        |              |
|------------------------------------------------------------------------|----------------------------------|----------------------------------------|------------------|---------------------|-----------------|--------------|---------------------|-----------|-----------|-----------|----------|------------|------------|------------|----------|--------|--------------|
|                                                                        | Organochlorine pesticides EPAVic | Other organochlorine pesticides EPAVic | Azinophos methyl | Bolstar (Sulprofos) | Chlorfenvinphos | Chlorpyrifos | Chlorpyrifos-methyl | Coumaphos | Demeton-O | Demeton-S | Diazinon | Dichlorvos | Disulfoton | Dimethoate | Ethoprop | Ethion | Fenitrothion |
|                                                                        | 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                                                                    | 0.1                              | 0.1                                    | 0.2              | 0.2                 | 0.2             | 0.2          | 0.2                 | 2         | 0.2       | 0.2       | 0.2      | 0.2        | 0.2        | 0.2        | 0.2      | 0.2    | 0.2          |
| CRC Care HSL-AResidential(Low Density)                                 | -                                | -                                      | -                | -                   | -               | -            | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | -                                | -                                      | -                | -                   | -               | 160          | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | -                                | -                                      | -                | -                   | -               | -            | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -                                | -                                      | -                | -                   | -               | -            | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | -                                | -                                      | -                | -                   | -               | -            | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -                                | -                                      | -                | -                   | -               | -            | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |      |
|----------------------|-------------|-------------------|---------------|------|------|------|------|------|------|------|----|------|------|------|------|------|------|------|------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <0.1 | <0.1 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <0.1 | <0.1 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | -    | -    | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                                        | Phosphorous Pesticides |          |       |         |           |                  |                      |               |                |           |         |            |        |          |               |                   |                  |
|------------------------------------------------------------------------|------------------------|----------|-------|---------|-----------|------------------|----------------------|---------------|----------------|-----------|---------|------------|--------|----------|---------------|-------------------|------------------|
|                                                                        | Fensulfothion          | Fenthion | EPN   | Merphos | Malathion | Methyl parathion | Mevinphos (Phosdrin) | Monocrotophos | Naled (Dibrom) | Omethoate | Phorate | Pyrazophos | Ronnel | Terbufos | Trichloronate | Tetrachlorvinphos |                  |
|                                                                        | 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             | 4,4-DDE<br>mg/kg |
| EQL                                                                    | 0.2                    | 0.2      | 0.2   | 0.2     | 0.2       | 0.2              | 0.2                  | 2             | 0.2            | 2         | 0.2     | 0.2        | 0.2    | 0.2      | 0.2           | 0.2               | 0.05             |
| CRC Care HSL-AResidential(Low Density)                                 | -                      | -        | -     | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -                |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | -                      | -        | -     | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -                |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | -                      | -        | -     | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -                |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -                      | -        | -     | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -                |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | -                      | -        | -     | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -                |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -                      | -        | -     | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -                |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |      |      |      |      |      |    |      |    |      |      |      |      |      |      |       |
|----------------------|-------------|-------------------|---------------|------|------|------|------|------|------|----|------|----|------|------|------|------|------|------|-------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <2 | <0.2 | <2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.05 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <2 | <0.2 | <2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.05 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | -    | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                                        | Organochlorine Pesticides |        |                   |       |          |       |       |       |             |          |                 |               |              |               |                     |        |                 |
|------------------------------------------------------------------------|---------------------------|--------|-------------------|-------|----------|-------|-------|-------|-------------|----------|-----------------|---------------|--------------|---------------|---------------------|--------|-----------------|
|                                                                        | a-BHC                     | Aldrin | Aldrin + Dieldrin | b-BHC | chlordan | d-BHC | DDD   | DDT   | DDT+DDE+DDD | Dieldrin | Endrin aldehyde | Endrin ketone | Endosulfan I | Endosulfan II | Endosulfan sulphate | Endrin | g-BHC (Lindane) |
|                                                                        | 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                                                                    | 0.05                      | 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            |
| CRC Care HSL-AResidential(Low Density)                                 | -                         | -      | -                 | -     | -        | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | -                         | -      | 6                 | -     | 50       | -     | -     | -     | 240         | -        | -               | -             | -            | -             | -                   | 10     | -               |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | -                         | -      | -                 | -     | -        | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -                         | -      | -                 | -     | -        | -     | -     | 180   | -           | -        | -               | -             | -            | -             | -                   | -      | -               |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | -                         | -      | -                 | -     | -        | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -                         | -      | -                 | -     | -        | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               |

| Field ID             | Date        | Lab Report Number | Sample Code   |       |       |       |       |      |       |       |       |       |       |       |       |       |       |       |       |
|----------------------|-------------|-------------------|---------------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <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 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <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 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                                        |            |                    |              |           | Pesticides |                   | SPOCAS        |                              |         |
|------------------------------------------------------------------------|------------|--------------------|--------------|-----------|------------|-------------------|---------------|------------------------------|---------|
|                                                                        | Heptachlor | Heptachlor epoxide | Methoxychlor | Toxaphene | Parathion  | Pirimiphos-methyl | Reaction Rate | Field pH of Peroxide extract | pH (F)  |
|                                                                        | mg/kg      | mg/kg              | mg/kg        | mg/kg     | mg/kg      | mg/kg             | -             | pH Unit                      | pH Unit |
| EQL                                                                    | 0.05       | 0.05               | 0.05         | 0.5       | 0.2        | 0.2               | 0             | 0.1                          | 0.1     |
| CRC Care HSL-AResidential(Low Density)                                 | -          | -                  | -            | -         | -          | -                 | -             | -                            | -       |
| NEPM 2013 Table 1A(1) HILs Res A Soil                                  | 6          | -                  | 300          | 20        | -          | -                 | -             | -                            | -       |
| NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand      | -          | -                  | -            | -         | -          | -                 | -             | -                            | -       |
| NEPM 2013 Table 1B(5) EIL - Urban Res & Public Open Space              | -          | -                  | -            | -         | -          | -                 | -             | -                            | -       |
| NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil                  | -          | -                  | -            | -         | -          | -                 | -             | -                            | -       |
| NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil | -          | -                  | -            | -         | -          | -                 | -             | -                            | -       |

| Field ID             | Date        | Lab Report Number | Sample Code   |       |       |       |      |      |      |     |     |     |
|----------------------|-------------|-------------------|---------------|-------|-------|-------|------|------|------|-----|-----|-----|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <0.05 | <0.05 | <0.05 | <0.5 | <0.2 | <0.2 | -   | -   | -   |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -     | -     | -     | -    | -    | -    | 1.0 | 3.3 | 6.4 |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -     | -     | -     | -    | -    | -    | 1.0 | 2.6 | 5.7 |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <0.05 | <0.05 | <0.05 | <0.5 | <0.2 | <0.2 | -   | -   | -   |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -     | -     | -     | -    | -    | -    | -   | -   | -   |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -     | -     | -     | -    | -    | -    | -   | -   | -   |

Environmental Standards  
NEPM, NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil

|                                                     | Physical Parameters            |                                  | Metals  |         |                   |        |       |       |         |        |       |         |       |         |        |              |         |
|-----------------------------------------------------|--------------------------------|----------------------------------|---------|---------|-------------------|--------|-------|-------|---------|--------|-------|---------|-------|---------|--------|--------------|---------|
|                                                     | Cation Exchange Capacity (CEC) | Moisture Content (dried @ 103°C) | Arsenic | Cadmium | Chromium (III+VI) | Copper | Iron  | Lead  | Mercury | Nickel | Zinc  | Benzene |       | Toluene |        | Ethylbenzene |         |
|                                                     |                                |                                  |         |         |                   |        |       |       |         |        |       |         |       |         |        |              |         |
|                                                     | meq/100g                       | %                                | mg/kg   | mg/kg   | mg/kg             | mg/kg  | mg/kg | mg/kg | mg/kg   | mg/kg  | mg/kg | mg/kg   | ug/L  | mg/kg   | ug/L   | mg/kg        | ug/L    |
| EQL                                                 | 0.5                            | 1                                | 2       | 0.4     | 5                 | 5      | 20    | 5     | 0.1     | 5      | 5     | 0.1     | 1     | 0.1     | 1      | 0.1          | 1       |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | -                              | -                                | 100     | 20      | -                 | -      | -     | 100   | 4       | 40     | -     | 10      | -     | 288     | -      | 600          | -       |
| NSW 2014 General Solid Waste SCC1 (with leached)    | -                              | -                                | 500     | 100     | -                 | -      | -     | 1,500 | 50      | 1,050  | -     | 18      | -     | 518     | -      | 1,080        | -       |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -                              | -                                | -       | -       | -                 | -      | -     | -     | -       | -      | -     | 500     | -     | -       | 14,400 | -            | 30,000  |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | -                              | -                                | 400     | 80      | -                 | -      | -     | 400   | 16      | 160    | -     | 40      | -     | 1,152   | -      | 2,400        | -       |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | -                              | -                                | 2,000   | 400     | -                 | -      | -     | 6,000 | 200     | 4,200  | -     | 72      | -     | 2,073   | -      | 4,320        | -       |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -                              | -                                | -       | -       | -                 | -      | -     | -     | -       | -      | -     | -       | 2,000 | -       | 57,600 | -            | 120,000 |

| Field ID             | Date        | Lab Report Number | Sample Code   |     |      |     |      |     |     |       |     |      |     |     |      |   |      |   |      |
|----------------------|-------------|-------------------|---------------|-----|------|-----|------|-----|-----|-------|-----|------|-----|-----|------|---|------|---|------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | 2.8 | 11   | <2  | <0.4 | <5  | <5  | 1,700 | 10  | <0.1 | <5  | 15  | <0.1 | - | <0.1 | - | <0.1 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -   | 24   | <2  | <0.4 | 34  | 22  | -     | 10  | <0.1 | 18  | 51  | <0.1 | - | <0.1 | - | <0.1 |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -   | -    | -   | -    | -   | -   | -     | -   | -    | -   | -   | -    | - | -    | - | -    |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | 2.2 | 9.2  | <2  | <0.4 | <5  | <5  | 2,200 | 8.6 | <0.1 | <5  | 18  | <0.1 | - | <0.1 | - | <0.1 |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -   | 31   | 2.0 | <0.4 | 37  | 14  | -     | 10  | <0.1 | 17  | 46  | <0.1 | - | <0.1 | - | <0.1 |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -   | -    | -   | -    | -   | -   | -     | -   | -    | -   | -   | -    | - | -    | - | -    |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -   | 19   | <2  | <0.4 | 11  | 6.2 | -     | 13  | <0.1 | 9.0 | 44  | <0.1 | - | <0.1 | - | <0.1 |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -   | 28   | <2  | <0.4 | 35  | 13  | -     | 9.0 | <0.1 | 12  | 33  | <0.1 | - | <0.1 | - | <0.1 |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -   | 8.2  | <2  | <0.4 | <5  | <5  | -     | 8.8 | <0.1 | <5  | 22  | <0.1 | - | <0.1 | - | <0.1 |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -   | 28   | <2  | <0.4 | 34  | 18  | -     | 10  | <0.1 | 17  | 49  | <0.1 | - | <0.1 | - | <0.1 |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -   | 19   | <2  | <0.4 | <5  | <5  | -     | 5.6 | <0.1 | <5  | 13  | <0.1 | - | <0.1 | - | <0.1 |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -   | 10.0 | <2  | <0.4 | <5  | <5  | -     | <5  | <0.1 | <5  | 11  | <0.1 | - | <0.1 | - | <0.1 |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -   | 18   | <2  | <0.4 | 14  | 14  | -     | 43  | 0.1  | 9.7 | 82  | <0.1 | - | <0.1 | - | <0.1 |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -   | 17   | <2  | <0.4 | 30  | 14  | -     | 27  | <0.1 | 9.1 | 48  | <0.1 | - | <0.1 | - | <0.1 |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -   | 15   | 3.2 | <0.4 | 7.1 | 7.2 | -     | 15  | <0.1 | <5  | 29  | <0.1 | - | <0.1 | - | <0.1 |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | 3.0 | 9.8  | <2  | <0.4 | <5  | <5  | 5,100 | 5.4 | <0.1 | <5  | 31  | <0.1 | - | <0.1 | - | <0.1 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -   | 8.3  | <2  | <0.4 | <5  | <5  | -     | <5  | <0.1 | <5  | 9.3 | <0.1 | - | <0.1 | - | <0.1 |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -   | -    | -   | -    | -   | -   | -     | -   | -    | -   | -   | <1   | - | <1   | - | <1   |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

|                                                     | BTEX           |      |            |      |              |         |                   |      | Asbestos      |              |                          |          |         |                      |                     |                     |                          |
|-----------------------------------------------------|----------------|------|------------|------|--------------|---------|-------------------|------|---------------|--------------|--------------------------|----------|---------|----------------------|---------------------|---------------------|--------------------------|
|                                                     | Xylene (m & p) |      | Xylene (o) |      | Xylene Total |         | Naphthalene (VOC) |      | ACM - Comment | AF - Comment | Asbestos Reported Result | Mass ACM | Mass AF | Mass Asbestos in ACM | Mass asbestos in AF | Mass Asbestos in FA | Mass Asbestos in FA & AF |
|                                                     |                |      |            |      |              |         |                   |      |               |              |                          |          |         |                      |                     |                     |                          |
| EQL                                                 | mg/kg          | ug/L | mg/kg      | ug/L | mg/kg        | ug/L    | mg/kg             | ug/L | Comment       | Comment      | Comment                  | g        | g       | g                    | g                   | g                   | g                        |
|                                                     | 0.2            | 2    | 0.1        | 1    | 0.3          | 3       | 0.5               | 10   |               |              |                          |          |         |                      |                     |                     |                          |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | -              | -    | -          | -    | 1,000        | -       | -                 | -    | -             | -            | -                        | -        | -       | -                    | -                   | -                   | -                        |
| NSW 2014 General Solid Waste SCC1 (with leached)    | -              | -    | -          | -    | 1,800        | -       | -                 | -    | -             | -            | -                        | -        | -       | -                    | -                   | -                   | -                        |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -              | -    | -          | -    | -            | 50,000  | -                 | -    | -             | -            | -                        | -        | -       | -                    | -                   | -                   | -                        |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | -              | -    | -          | -    | 4,000        | -       | -                 | -    | -             | -            | -                        | -        | -       | -                    | -                   | -                   | -                        |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | -              | -    | -          | -    | 7,200        | -       | -                 | -    | -             | -            | -                        | -        | -       | -                    | -                   | -                   | -                        |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -              | -    | -          | -    | -            | 200,000 | -                 | -    | -             | -            | -                        | -        | -       | -                    | -                   | -                   | -                        |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |    |      |    |      |    |      |     |   |   |   |        |        |   |   |   |
|----------------------|-------------|-------------------|---------------|------|----|------|----|------|----|------|-----|---|---|---|--------|--------|---|---|---|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -  | -    | -  | -    | -  | -    | -   | - | - | - | -      | -      | - | - | - |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -  | -    | -  | -    | -  | -    | -   | - | - | - | -      | -      | - | - | - |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | 1 | 1 | 1 | 0.0000 | 0.0000 | 0 | 0 | 0 |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | 1 | 1 | 1 | 0.0000 | 0.0000 | 0 | 0 | 0 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | <0.2 | -  | <0.1 | -  | <0.3 | -  | <0.5 | -   | - | - | - | -      | -      | - | - | - |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | <2 | -    | <1 | -    | <3 | -    | <10 | - | - | - | -      | -      | - | - | - |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

|                                                     |         |                        |                         |                            |             |                          |                             |                            | NA        | Total Recoverable Hydrocarbons |                         |                |                                  |                |                |       |     |
|-----------------------------------------------------|---------|------------------------|-------------------------|----------------------------|-------------|--------------------------|-----------------------------|----------------------------|-----------|--------------------------------|-------------------------|----------------|----------------------------------|----------------|----------------|-------|-----|
|                                                     | Mass FA | Asbestos (ACM in Soil) | Approximate Sample Mass | Asbestos (FA & AF in Soil) | FA- Comment | Organic Fibres - Comment | Respirable Fibres - Comment | Synthetic Fibres - Comment | Tokuthion | F1 (C6 - C10)                  | F1 (C6 - C10) less BTEX | F2 (C10 - C16) | F2 C10 - C16 (minus Naphthalene) | F3 (C16 - C34) | F4 (C34 - C40) |       |     |
|                                                     | g       | %w/w                   | g                       | %w/w                       | Comment     | Comment                  | Comment                     | Comment                    | mg/kg     | mg/kg                          | ug/L                    | mg/kg          | ug/L                             | mg/kg          | mg/kg          | mg/kg |     |
| EQL                                                 |         |                        |                         |                            |             |                          |                             |                            | 0.2       | 20                             | 20                      | 20             | 20                               | 50             | 50             | 100   | 100 |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                              | -                       | -              | -                                | -              | -              | -     | -   |
| NSW 2014 General Solid Waste SCC1 (with leached)    | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                              | -                       | -              | -                                | -              | -              | -     | -   |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                              | -                       | -              | -                                | -              | -              | -     | -   |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                              | -                       | -              | -                                | -              | -              | -     | -   |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                              | -                       | -              | -                                | -              | -              | -     | -   |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -       | -                      | -                       | -                          | -           | -                        | -                           | -                          | -         | -                              | -                       | -              | -                                | -              | -              | -     | -   |

| Field ID             | Date        | Lab Report Number | Sample Code   |        |   |     |   |   |   |   |   |      |     |     |     |     |     |     |      |      |
|----------------------|-------------|-------------------|---------------|--------|---|-----|---|---|---|---|---|------|-----|-----|-----|-----|-----|-----|------|------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | -      | - | -   | - | - | - | - | - | <0.2 | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -      | - | -   | - | - | - | - | - | -    | -   | -   | -   | -   | -   | -   | -    | -    |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -      | - | -   | - | - | - | - | - | -    | -   | -   | -   | -   | -   | -   | -    | -    |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | 0.0000 | 0 | 387 | 0 | 1 | 1 | 0 | 1 | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | 0.0000 | 0 | 349 | 0 | 1 | 1 | 1 | 1 | <0.2 | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -      | - | -   | - | - | - | - | - | -    | <20 | -   | <20 | -   | <50 | <50 | <100 | <100 |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -      | - | -   | - | - | - | - | - | -    | -   | <20 | -   | <20 | -   | -   | -    | -    |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

|                                                     |                          | Total Petroleum Hydrocarbons |      |           |           |           |                          | Inorganics                         |       |                                |                          |                                |                       |              |                |            |                    |
|-----------------------------------------------------|--------------------------|------------------------------|------|-----------|-----------|-----------|--------------------------|------------------------------------|-------|--------------------------------|--------------------------|--------------------------------|-----------------------|--------------|----------------|------------|--------------------|
|                                                     | C10 - C40 (Sum of total) | C6 - C9                      |      | C10 - C14 | C15 - C28 | C29 - C36 | C10 - C36 (Sum of total) | Conductivity (1:5 aqueous extract) | TOC   | Benzo(a)pyrene TEQ calc (Half) | Benzo(a)pyrene TEQ (LOR) | Benzo(a)pyrene TEQ calc (Zero) | Benzo(b+)fluoranthene | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene |
|                                                     | mg/kg                    | mg/kg                        | ug/L | mg/kg     | mg/kg     | mg/kg     | mg/kg                    | uS/cm                              | mg/kg | mg/kg                          | mg/kg                    | mg/kg                          | mg/kg                 | mg/kg        | mg/kg          | mg/kg      | mg/kg              |
| EQL                                                 | 100                      | 20                           | 20   | 20        | 50        | 50        | 50                       | 10                                 | 1,000 | 0.5                            | 0.5                      | 0.5                            | 0.5                   | 0.5          | 0.5            | 0.5        | 0.5                |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | -                        | 650                          | -    | -         | -         | -         | 10,000                   | -                                  | -     | -                              | -                        | -                              | -                     | -            | -              | -          | -                  |
| NSW 2014 General Solid Waste SCC1 (with leached)    | -                        | 6,500                        | -    | -         | -         | -         | 10,000                   | -                                  | -     | -                              | -                        | -                              | -                     | -            | -              | -          | -                  |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -                        | -                            | -    | -         | -         | -         | -                        | -                                  | -     | -                              | -                        | -                              | -                     | -            | -              | -          | -                  |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | -                        | 2,600                        | -    | -         | -         | -         | 40,000                   | -                                  | -     | -                              | -                        | -                              | -                     | -            | -              | -          | -                  |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | -                        | 2,600                        | -    | -         | -         | -         | 40,000                   | -                                  | -     | -                              | -                        | -                              | -                     | -            | -              | -          | -                  |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -                        | -                            | -    | -         | -         | -         | -                        | -                                  | -     | -                              | -                        | -                              | -                     | -            | -              | -          | -                  |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |     |     |     |     |     |     |     |        |     |     |      |      |      |      |      |      |
|----------------------|-------------|-------------------|---------------|------|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|------|------|------|------|------|------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <100 | <20 | -   | <20 | <50 | <50 | <50 | 12  | 5,000  | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -   | -   | -   | -   | -   | -   | -   | -      | -   | -   | -    | -    | -    | -    | -    | -    |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | <100 | <20 | -   | <20 | <50 | <50 | <50 | <10 | 8,000  | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -   | -   | -   | -   | -   | -   | -   | -      | -   | -   | -    | -    | -    | -    | -    | -    |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <100 | <20 | -   | <20 | <50 | <50 | <50 | <10 | 10,000 | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | <100 | <20 | -   | <20 | <50 | <50 | <50 | -   | -      | 0.6 | 1.2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | -   | <20 | -   | -   | -   | -   | -   | -      | -   | -   | -    | -    | -    | -    | -    | -    |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

|                                                     | Polycyclic Aromatic Hydrocarbons |                      |                      |          |                       |              |          |                         |             |              |        |                     | Halogenated Benzenes | OCP                              |                                        |                  |
|-----------------------------------------------------|----------------------------------|----------------------|----------------------|----------|-----------------------|--------------|----------|-------------------------|-------------|--------------|--------|---------------------|----------------------|----------------------------------|----------------------------------------|------------------|
|                                                     | Benzo(a) pyrene                  | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-c,d)pyrene | Naphthalene | Phenanthrene | Pyrene | PAHs (Sum of total) | Hexachlorobenzene    | Organochlorine pesticides EPAVic | Other organochlorine pesticides EPAVic | Azinophos methyl |
|                                                     | 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                 | 0.05                 | 0.1                              | 0.1                                    | 0.2              |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | 0.8                              | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | 200                 | -                    | -                                | -                                      | -                |
| NSW 2014 General Solid Waste SCC1 (with leached)    | 10                               | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | 200                 | -                    | -                                | -                                      | -                |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -                                | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -                   | -                    | -                                | -                                      | -                |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | 3.2                              | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | 800                 | -                    | -                                | -                                      | -                |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | 23                               | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | 800                 | -                    | -                                | -                                      | -                |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -                                | -                    | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -                   | -                    | -                                | -                                      | -                |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
|----------------------|-------------|-------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.05 | <0.1 | <0.1 | <0.2 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.05 | <0.1 | <0.1 | <0.2 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -     | -    | -    | -    |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     | -    | -    | -    |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

|                                                     | Organophosphorous Pesticides |                 |              |                     |           |           |           |          |            |            |            |          |        |              |               |          |       |
|-----------------------------------------------------|------------------------------|-----------------|--------------|---------------------|-----------|-----------|-----------|----------|------------|------------|------------|----------|--------|--------------|---------------|----------|-------|
|                                                     | Bolstar (sulprofos)          | Chlorfenvinphos | Chlorpyrifos | Chlorpyrifos-methyl | Coumaphos | Demeton-O | Demeton-S | Diazinon | Dichlorvos | Disulfoton | Dimethoate | Ethoprop | Ethion | Fenitrothion | Fensulfothion | Fenthion | EPN   |
|                                                     | 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                                                 | 0.2                          | 0.2             | 0.2          | 0.2                 | 2         | 0.2       | 0.2       | 0.2      | 0.2        | 0.2        | 0.2        | 0.2      | 0.2    | 0.2          | 0.2           | 0.2      | 0.2   |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | -                            | -               | 4            | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            | -             | -        | -     |
| NSW 2014 General Solid Waste SCC1 (with leached)    | -                            | -               | 7.5          | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            | -             | -        | -     |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -                            | -               | -            | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            | -             | -        | -     |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | -                            | -               | 16           | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            | -             | -        | -     |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | -                            | -               | 30           | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            | -             | -        | -     |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -                            | -               | -            | -                   | -         | -         | -         | -        | -          | -          | -          | -        | -      | -            | -             | -        | -     |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |      |      |      |    |      |      |      |      |      |      |      |      |      |      |      |
|----------------------|-------------|-------------------|---------------|------|------|------|------|----|------|------|------|------|------|------|------|------|------|------|------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <0.2 | <0.2 | <0.2 | <0.2 | <2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <0.2 | <0.2 | <0.2 | <0.2 | <2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | -    | -    | -    | -  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

|                                                     | Merphos | Malathion | Methyl parathion | Mevinphos (Phosdrin) | Monocrotophos | Naled (Dibrom) | Omethoate | Phorate | Pyrazophos | Ronnel | Terbufos | Trichloronate | Tetrachlorvinphos |         |       |        |                   |
|-----------------------------------------------------|---------|-----------|------------------|----------------------|---------------|----------------|-----------|---------|------------|--------|----------|---------------|-------------------|---------|-------|--------|-------------------|
|                                                     | 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             | 4,4-DDE | a-BHC | Aldrin | Aldrin + Dieldrin |
| EQL                                                 | 0.2     | 0.2       | 0.2              | 0.2                  | 2             | 0.2            | 2         | 0.2     | 0.2        | 0.2    | 0.2      | 0.2           | 0.2               | 0.05    | 0.05  | 0.05   | 0.05              |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -       | -     | -      | -                 |
| NSW 2014 General Solid Waste SCC1 (with leached)    | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -       | -     | -      | -                 |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -       | -     | -      | -                 |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -       | -     | -      | -                 |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -       | -     | -      | -                 |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -       | -         | -                | -                    | -             | -              | -         | -       | -          | -      | -        | -             | -                 | -       | -     | -      | -                 |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |      |      |      |    |      |    |      |      |      |      |      |      |       |       |       |
|----------------------|-------------|-------------------|---------------|------|------|------|------|----|------|----|------|------|------|------|------|------|-------|-------|-------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <0.2 | <0.2 | <0.2 | <0.2 | <2 | <0.2 | <2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.05 | <0.05 | <0.05 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <0.2 | <0.2 | <0.2 | <0.2 | <2 | <0.2 | <2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.05 | <0.05 | <0.05 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | -    | -    | -    | -  | -    | -  | -    | -    | -    | -    | -    | -    | -     | -     | -     |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

|                                                     | Organochlorine Pesticides |           |       |       |       |             |          |                 |               |              |               |                     |        |                 |            |                    |              |
|-----------------------------------------------------|---------------------------|-----------|-------|-------|-------|-------------|----------|-----------------|---------------|--------------|---------------|---------------------|--------|-----------------|------------|--------------------|--------------|
|                                                     | b-BHC                     | chlordane | d-BHC | DDD   | DDT   | DDT+DDE+DDD | Dieldrin | Endrin aldehyde | Endrin ketone | Endosulfan I | Endosulfan II | Endosulfan sulphate | Endrin | g-BHC (Lindane) | Heptachlor | Heptachlor epoxide | Methoxychlor |
|                                                     | 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                                                 | 0.05                      | 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            | 0.05       | 0.05               | 0.05         |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | -                         | -         | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               | -          | -                  | -            |
| NSW 2014 General Solid Waste SCC1 (with leached)    | -                         | -         | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               | -          | -                  | -            |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -                         | -         | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               | -          | -                  | -            |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | -                         | -         | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               | -          | -                  | -            |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | -                         | -         | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               | -          | -                  | -            |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -                         | -         | -     | -     | -     | -           | -        | -               | -             | -            | -             | -                   | -      | -               | -          | -                  | -            |

| Field ID             | Date        | Lab Report Number | Sample Code   |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------|-------------|-------------------|---------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <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 | <0.05 | <0.05 | <0.05 |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <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 | <0.05 | <0.05 | <0.05 |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

|                                                     |           | Pesticides |                   | SPOCAS        |                              |         |
|-----------------------------------------------------|-----------|------------|-------------------|---------------|------------------------------|---------|
|                                                     | Toxaphene | Parathion  | Pirimiphos-methyl | Reaction Rate | Field pH of Peroxide extract | pH (F)  |
|                                                     | mg/kg     | mg/kg      | mg/kg             | -             | pH Unit                      | pH Unit |
| EQL                                                 | 0.5       | 0.2        | 0.2               | 0             | 0.1                          | 0.1     |
| NSW 2014 General Solid Waste CT1 (No Leaching)      | -         | -          | -                 | -             | -                            | -       |
| NSW 2014 General Solid Waste SCC1 (with leached)    | -         | -          | -                 | -             | -                            | -       |
| NSW 2014 General Solid Waste TCLP1 (leached)        | -         | -          | -                 | -             | -                            | -       |
| NSW 2014 Restricted Solid Waste CT2 (No Leaching)   | -         | -          | -                 | -             | -                            | -       |
| NSW 2014 Restricted Solid Waste SCC2 (with leached) | -         | -          | -                 | -             | -                            | -       |
| NSW 2014 Restricted Solid Waste TCLP2 (leached)     | -         | -          | -                 | -             | -                            | -       |

| Field ID             | Date        | Lab Report Number | Sample Code   |      |      |      |     |     |     |
|----------------------|-------------|-------------------|---------------|------|------|------|-----|-----|-----|
| BROAD C-BH1 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012203 | <0.5 | <0.2 | <0.2 | -   | -   | -   |
| BROAD C-BH1 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012204 | -    | -    | -    | -   | -   | -   |
| BROAD C-BH1 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012205 | -    | -    | -    | 1.0 | 3.3 | 6.4 |
| BROAD C-BH2 0.1-0.35 | 03 Jul 2023 | 1005684           | S23-JI0012206 | -    | -    | -    | -   | -   | -   |
| BROAD C-BH2 0.35-0.8 | 03 Jul 2023 | 1005684           | S23-JI0012207 | -    | -    | -    | -   | -   | -   |
| BROAD C-BH2 6.8-7.0  | 03 Jul 2023 | 1005684           | S23-JI0012208 | -    | -    | -    | 1.0 | 2.6 | 5.7 |
| BROAD E-BH1 0.1-0.4  | 03 Jul 2023 | 1005684           | S23-JI0012209 | -    | -    | -    | -   | -   | -   |
| BROAD E-BH1 0.4-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012210 | -    | -    | -    | -   | -   | -   |
| BROAD E-BH2 0.1-0.5  | 03 Jul 2023 | 1005684           | S23-JI0012229 | -    | -    | -    | -   | -   | -   |
| BROAD E-BH2 0.5-1.0  | 03 Jul 2023 | 1005684           | S23-JI0012230 | -    | -    | -    | -   | -   | -   |
| BR-SS1               | 03 Jul 2023 | 1005684           | S23-JI0012211 | -    | -    | -    | -   | -   | -   |
| BR-SS2               | 03 Jul 2023 | 1005684           | S23-JI0012212 | -    | -    | -    | -   | -   | -   |
| BR-SS3               | 03 Jul 2023 | 1005684           | S23-JI0012213 | -    | -    | -    | -   | -   | -   |
| BR-SS4               | 03 Jul 2023 | 1005684           | S23-JI0012214 | -    | -    | -    | -   | -   | -   |
| BR-SS5               | 03 Jul 2023 | 1005684           | S23-JI0012215 | -    | -    | -    | -   | -   | -   |
| BR-SS6               | 03 Jul 2023 | 1005684           | S23-JI0012216 | <0.5 | <0.2 | <0.2 | -   | -   | -   |
| DUP1                 | 03 Jul 2023 | 1005684           | S23-JI0012217 | -    | -    | -    | -   | -   | -   |
| TB                   | 03 Jul 2023 | 1005684           | S23-JI0012219 | -    | -    | -    | -   | -   | -   |

Environmental Standards  
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)  
NSW EPA, November 2014, NSW 2014 General Solid Waste SCC1 (with leached)  
NSW EPA, November 2014, NSW 2014 General Solid Waste TCLP1 (leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste SCC2 (with leached)  
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste TCLP2 (leached)

| Lab Report Number                      |          |      |     | 1005684     | 1005684     | RPD |
|----------------------------------------|----------|------|-----|-------------|-------------|-----|
| Field ID                               |          |      |     | BR-SS2      | DUP1        |     |
| Matrix Type                            |          |      |     | Soil        | Soil        |     |
| Date                                   |          |      |     | 03 Jul 2023 | 03 Jul 2023 |     |
|                                        | Unit     | EQL  | RPD |             |             |     |
| Physical Parameters                    |          |      |     |             |             |     |
| Cation Exchange Capacity (CEC)         | meq/100g | 0.5  |     | -           | -           | -   |
| Moisture Content (dried @ 103°C)       | %        | 1    |     | 10.0        | 8.3         | 19  |
| Metals                                 |          |      |     |             |             |     |
| Arsenic                                | mg/kg    | 2    |     | <2          | <2          | 0   |
| Cadmium                                | mg/kg    | 0.4  |     | <0.4        | <0.4        | 0   |
| Chromium (III+VI)                      | mg/kg    | 5    |     | <5          | <5          | 0   |
| Copper                                 | mg/kg    | 5    |     | <5          | <5          | 0   |
| Iron                                   | mg/kg    | 20   |     | -           | -           | -   |
| Lead                                   | mg/kg    | 5    |     | <5          | <5          | 0   |
| Mercury                                | mg/kg    | 0.1  |     | <0.1        | <0.1        | 0   |
| Nickel                                 | mg/kg    | 5    |     | <5          | <5          | 0   |
| Zinc                                   | mg/kg    | 5    |     | 11          | 9.3         | 17  |
| BTEX                                   |          |      |     |             |             |     |
| Benzene                                | mg/kg    | 0.1  |     | <0.1        | <0.1        | 0   |
| Toluene                                | mg/kg    | 0.1  |     | <0.1        | <0.1        | 0   |
| Ethylbenzene                           | mg/kg    | 0.1  |     | <0.1        | <0.1        | 0   |
| Xylene (m & p)                         | mg/kg    | 0.2  |     | <0.2        | <0.2        | 0   |
| Xylene (o)                             | mg/kg    | 0.1  |     | <0.1        | <0.1        | 0   |
| Xylene Total                           | mg/kg    | 0.3  |     | <0.3        | <0.3        | 0   |
| Naphthalene (VOC)                      | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| NA                                     |          |      |     |             |             |     |
| Tokuthion                              | mg/kg    | 0.2  |     | -           | -           | -   |
| Total Recoverable Hydrocarbons         |          |      |     |             |             |     |
| F1 (C6 - C10)                          | mg/kg    | 20   |     | <20         | <20         | 0   |
| F1 (C6 - C10) less BTEX                | mg/kg    | 20   |     | <20         | <20         | 0   |
| F2 (C10 - C16)                         | mg/kg    | 50   |     | <50         | <50         | 0   |
| F2 C10 - C16 (minus Naphthalene)       | mg/kg    | 50   |     | <50         | <50         | 0   |
| F3 (C16 - C34)                         | mg/kg    | 100  |     | <100        | <100        | 0   |
| F4 (C34 - C40)                         | mg/kg    | 100  |     | <100        | <100        | 0   |
| C10 - C40 (Sum of total)               | mg/kg    | 100  |     | <100        | <100        | 0   |
| Total Petroleum Hydrocarbons           |          |      |     |             |             |     |
| C6 - C9                                | mg/kg    | 20   |     | <20         | <20         | 0   |
| C10 - C14                              | mg/kg    | 20   |     | <20         | <20         | 0   |
| C15 - C28                              | mg/kg    | 50   |     | <50         | <50         | 0   |
| C29 - C36                              | mg/kg    | 50   |     | <50         | <50         | 0   |
| C10 - C36 (Sum of total)               | mg/kg    | 50   |     | <50         | <50         | 0   |
| Polycyclic Aromatic Hydrocarbons       |          |      |     |             |             |     |
| Benzo(a)pyrene TEQ calc (Half)         | mg/kg    | 0.5  |     | 0.6         | 0.6         | 0   |
| Benzo(a)pyrene TEQ (LOR)               | mg/kg    | 0.5  |     | 1.2         | 1.2         | 0   |
| Benzo(a)pyrene TEQ calc (Zero)         | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Benzo(b+j)fluoranthene                 | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Acenaphthene                           | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Acenaphthylene                         | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Anthracene                             | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Benzo(a)anthracene                     | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Benzo(a) pyrene                        | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Benzo(g,h,i)perylene                   | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Benzo(k)fluoranthene                   | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Chrysene                               | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Dibenz(a,h)anthracene                  | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Fluoranthene                           | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Fluorene                               | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Indeno(1,2,3-c,d)pyrene                | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Naphthalene                            | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Phenanthrene                           | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Pyrene                                 | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| PAHs (Sum of total)                    | mg/kg    | 0.5  |     | <0.5        | <0.5        | 0   |
| Halogenated Benzenes                   |          |      |     |             |             |     |
| Hexachlorobenzene                      | mg/kg    | 0.05 |     | -           | -           | -   |
| OCP                                    |          |      |     |             |             |     |
| Organochlorine pesticides EPAVic       | mg/kg    | 0.1  |     | -           | -           | -   |
| Other organochlorine pesticides EPAVic | mg/kg    | 0.1  |     | -           | -           | -   |
| Organophosphorous Pesticides           |          |      |     |             |             |     |
| Azinophos methyl                       | mg/kg    | 0.2  |     | -           | -           | -   |
| Bolstar (Sulprofos)                    | mg/kg    | 0.2  |     | -           | -           | -   |
| Chlorfenvinphos                        | mg/kg    | 0.2  |     | -           | -           | -   |
| Chlorpyrifos                           | mg/kg    | 0.2  |     | -           | -           | -   |
| Chlorpyrifos-methyl                    | mg/kg    | 0.2  |     | -           | -           | -   |
| Coumaphos                              | mg/kg    | 2    |     | -           | -           | -   |
| Demeton-O                              | mg/kg    | 0.2  |     | -           | -           | -   |
| Demeton-S                              | mg/kg    | 0.2  |     | -           | -           | -   |
| Diazinon                               | mg/kg    | 0.2  |     | -           | -           | -   |
| Dichlorvos                             | mg/kg    | 0.2  |     | -           | -           | -   |
| Disulfoton                             | mg/kg    | 0.2  |     | -           | -           | -   |
| Dimethoate                             | mg/kg    | 0.2  |     | -           | -           | -   |
| Ethoprop                               | mg/kg    | 0.2  |     | -           | -           | -   |
| Ethion                                 | mg/kg    | 0.2  |     | -           | -           | -   |
| Fenitrothion                           | mg/kg    | 0.2  |     | -           | -           | -   |
| Fensulfothion                          | mg/kg    | 0.2  |     | -           | -           | -   |
| Fenthion                               | mg/kg    | 0.2  |     | -           | -           | -   |
| EPN                                    | mg/kg    | 0.2  |     | -           | -           | -   |
| Merphos                                | mg/kg    | 0.2  |     | -           | -           | -   |
| Malathion                              | mg/kg    | 0.2  |     | -           | -           | -   |
| Methyl parathion                       | mg/kg    | 0.2  |     | -           | -           | -   |
| Mevinphos (Phosdrin)                   | mg/kg    | 0.2  |     | -           | -           | -   |
| Monocrotophos                          | mg/kg    | 2    |     | -           | -           | -   |
| Naled (Dibrom)                         | mg/kg    | 0.2  |     | -           | -           | -   |
| Omethoate                              | mg/kg    | 2    |     | -           | -           | -   |
| Phorate                                | mg/kg    | 0.2  |     | -           | -           | -   |
| Pyrazophos                             | mg/kg    | 0.2  |     | -           | -           | -   |
| Ronnel                                 | mg/kg    | 0.2  |     | -           | -           | -   |
| Terbufos                               | mg/kg    | 0.2  |     | -           | -           | -   |
| Trichloronate                          | mg/kg    | 0.2  |     | -           | -           | -   |
| Tetrachlorvinphos                      | mg/kg    | 0.2  |     | -           | -           | -   |
| Organochlorine Pesticides              |          |      |     |             |             |     |
| 4,4-DDE                                | mg/kg    | 0.05 |     | -           | -           | -   |
| a-BHC                                  | mg/kg    | 0.05 |     | -           | -           | -   |

|                     |       |      |     | Lab Report Number | 1005684     | 1005684     | RPD |
|---------------------|-------|------|-----|-------------------|-------------|-------------|-----|
|                     |       |      |     | Field ID          | BR-SS2      | DUP1        |     |
|                     |       |      |     | Matrix Type       | Soil        | Soil        |     |
|                     |       |      |     | Date              | 03 Jul 2023 | 03 Jul 2023 |     |
|                     | Unit  | EQL  | RPD |                   |             |             |     |
| Aldrin              | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Aldrin + Dieldrin   | mg/kg | 0.05 |     | -                 | -           | -           |     |
| b-BHC               | mg/kg | 0.05 |     | -                 | -           | -           |     |
| chlordanane         | mg/kg | 0.1  |     | -                 | -           | -           |     |
| d-BHC               | mg/kg | 0.05 |     | -                 | -           | -           |     |
| DDD                 | mg/kg | 0.05 |     | -                 | -           | -           |     |
| DDT                 | mg/kg | 0.05 |     | -                 | -           | -           |     |
| DDT+DDE+DDD         | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Dieldrin            | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Endrin aldehyde     | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Endrin ketone       | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Endosulfan I        | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Endosulfan II       | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Endosulfan sulphate | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Endrin              | mg/kg | 0.05 |     | -                 | -           | -           |     |
| g-BHC (Lindane)     | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Heptachlor          | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Heptachlor epoxide  | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Methoxychlor        | mg/kg | 0.05 |     | -                 | -           | -           |     |
| Toxaphene           | mg/kg | 0.5  |     | -                 | -           | -           |     |
| Pesticides          |       |      |     |                   |             |             |     |
| Parathion           | mg/kg | 0.2  |     | -                 | -           | -           |     |
| Pirimiphos-methyl   | mg/kg | 0.2  |     | -                 | -           | -           |     |

\*RPDs have only been considered where a concentration is greater than 1 times the EQL.

\*\*Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 50 (1 - 10 x EQL); 50 (10 - 10 x EQL); 30 ( > 10 x EQL) )

\*\*\*Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



**TETRA TECH**  
**COFFEY**

Consigning Office: kelsie.mcgill@tetratech.com  
Report Results to: Edward.Wu@tetratech.com  
Invoices to: Accounts

Mobile: 61294061030  
Phone: Email:

| Task No: SYDGE319200                                  |              |             |      | Analysis Request Section    |                                |                 |                            |               |               |              |              |                  |      |       |
|-------------------------------------------------------|--------------|-------------|------|-----------------------------|--------------------------------|-----------------|----------------------------|---------------|---------------|--------------|--------------|------------------|------|-------|
| Project Name: Northern Rivers                         |              |             |      | Laboratory: Kelsie McGillen |                                |                 |                            |               |               |              |              |                  |      |       |
| Sampler's Name:                                       |              |             |      | Project Manager:            |                                |                 |                            |               |               |              |              |                  |      |       |
| Quote number (if different to current quoted prices): |              |             |      |                             |                                |                 |                            |               |               |              |              |                  |      |       |
| Special Instructions:                                 |              |             |      |                             |                                |                 |                            |               |               |              |              |                  |      |       |
| Lab Batch Ref                                         | Sample ID    | Sample Date | Time | Matrix (Soil...etc)         | Container Type & Preservative* | T-A-T (spgoffy) | B6 (TRH BTEX PAH & Metals) | B14 (OCP OPP) | B1 (TRH BTEX) | CEC TOC Iron | Asbestos 50g | AS5 ph Screening | HOLD | NOTES |
| BROAD C-BH1 0-0.1                                     | " " 0.1-0.5  | 3/7/23      |      | 50:1                        | Jar                            | Standard        | X                          | X             | X             | X            | X            | X                | X    |       |
| " " 0.5-1.0                                           | " " 0.8-7.0  |             |      |                             | "                              |                 | X                          | X             | X             | X            | X            | X                | X    |       |
| BROAD C-BH2 0-0.1                                     | " " 0.1-0.35 |             |      |                             | Ziploc                         |                 | X                          | X             | X             | X            | X            | X                | X    |       |
| " " 0.35-0.8                                          | " " 6.8-7.0  |             |      |                             | Jar                            |                 | X                          | X             | X             | X            | X            | X                | X    |       |
| BROAD C-BH1 0-0.1                                     | " " 0.1-0.4  |             |      |                             | "                              |                 | X                          | X             | X             | X            | X            | X                | X    |       |
| " " 0.4-1.0                                           |              |             |      |                             | "                              |                 | X                          | X             | X             | X            | X            | X                | X    |       |
| BR-SS1                                                | " " 552      |             |      |                             | "                              |                 | X                          | X             | X             | X            | X            | X                | X    |       |
| " " 553                                               | " " 554      |             |      |                             | "                              |                 | X                          | X             | X             | X            | X            | X                | X    |       |
| " " 555                                               | " " 555      |             |      |                             | "                              |                 | X                          | X             | X             | X            | X            | X                | X    |       |
|                                                       |              |             |      | J Z                         |                                |                 |                            |               |               |              |              |                  |      |       |

| RELINQUISHED BY       |              | RECEIVED BY       |              |
|-----------------------|--------------|-------------------|--------------|
| Name: Kelsie McGillen | Date: 5/7/23 | Name: [Signature] | Date: 5/7/23 |
| Coffey                | Time:        | Company: Coffey   | Time:        |
| Name:                 | Date:        | Name:             | Date:        |
| Company:              | Time:        | Company:          | Time:        |

Sample Receipt Advice: (Lab Use Only)  
☒ All Samples Received in Good Condition  
☒ All Documentation is in Proper Order  
☒ Samples Received Properly Chilled  
Lab. Ref/Batch No. [Box]

\*Container Type & Preservation Codes: P - Plastic, G - Glass Bottle, J - Glass Jar, V - Vial, Z - Ziplock bag, N - Nitric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice, ST - Sodium Thiosulfate, NP - No Preservative

1005684

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Consigning Office: kelsie.mcgiillen@tetratech.com  
Report Results to: Edward.Wu@tetratech.com

Mobile: 61294061030  
Phone: Email:

Analysis Request Section

|                                                                                                                                                                                                                                                                 |           |                                                       |      |                             |                                |                                   |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------|------|-----------------------------|--------------------------------|-----------------------------------|-------|
| Project No: SYDGE319200                                                                                                                                                                                                                                         |           | Task No:                                              |      | Laboratory: Northern Rivers |                                | Project Manager: Kelsie McGiillen |       |
| Sample's Name:                                                                                                                                                                                                                                                  |           | Quote number (if different to current quoted prices): |      | Special Instructions:       |                                |                                   |       |
| Lab Batch Ref                                                                                                                                                                                                                                                   | Sample ID | Sample Date                                           | Time | Matrix (Soil...etc)         | Container Type & Preservative* | T-A-T (specify)                   | NOTES |
| BR-SS6                                                                                                                                                                                                                                                          |           | 3/7/23                                                |      | Soil                        | Tor + 2, 10x                   | Standard                          |       |
| DUP1                                                                                                                                                                                                                                                            |           |                                                       |      |                             | J 2                            |                                   |       |
| TS/TB                                                                                                                                                                                                                                                           |           | 4/7/23                                                |      |                             |                                |                                   |       |
| WA-SS1                                                                                                                                                                                                                                                          |           |                                                       |      |                             |                                |                                   |       |
| " SS2                                                                                                                                                                                                                                                           |           |                                                       |      |                             |                                |                                   |       |
| " SS3                                                                                                                                                                                                                                                           |           |                                                       |      |                             |                                |                                   |       |
| " SS4                                                                                                                                                                                                                                                           |           |                                                       |      |                             |                                |                                   |       |
| " SS5                                                                                                                                                                                                                                                           |           |                                                       |      |                             |                                |                                   |       |
| DUP2                                                                                                                                                                                                                                                            |           |                                                       |      |                             |                                |                                   |       |
| DUP3                                                                                                                                                                                                                                                            |           |                                                       |      |                             |                                |                                   |       |
| TS/TB                                                                                                                                                                                                                                                           |           |                                                       |      |                             |                                |                                   |       |
| BROAD E-BH2 0-0.1                                                                                                                                                                                                                                               |           | 3/7/23                                                |      |                             |                                |                                   |       |
| " " 0.1-0.5                                                                                                                                                                                                                                                     |           |                                                       |      |                             |                                |                                   |       |
| " " 0.5-1.0                                                                                                                                                                                                                                                     |           |                                                       |      |                             |                                |                                   |       |
| RELINQUISHED BY                                                                                                                                                                                                                                                 |           |                                                       |      | RECEIVED BY                 |                                |                                   |       |
| Name: Kelsie McGiillen                                                                                                                                                                                                                                          |           |                                                       |      | Name:                       |                                |                                   |       |
| Date: 5/7/23                                                                                                                                                                                                                                                    |           |                                                       |      | Date:                       |                                |                                   |       |
| Time:                                                                                                                                                                                                                                                           |           |                                                       |      | Time:                       |                                |                                   |       |
| Company:                                                                                                                                                                                                                                                        |           |                                                       |      | Company:                    |                                |                                   |       |
| Name:                                                                                                                                                                                                                                                           |           |                                                       |      | Name:                       |                                |                                   |       |
| Date:                                                                                                                                                                                                                                                           |           |                                                       |      | Date:                       |                                |                                   |       |
| Time:                                                                                                                                                                                                                                                           |           |                                                       |      | Time:                       |                                |                                   |       |
| Company:                                                                                                                                                                                                                                                        |           |                                                       |      | Company:                    |                                |                                   |       |
| *Container Type & Preservation Codes: P - Plastic, G - Glass Bottle, J - Glass Jar, V - Vial, Z - Ziplock bag, N - Nitric Acid Preserved, C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice, ST - Sodium Thiosulfate, NP - No Preservative |           |                                                       |      |                             |                                |                                   |       |

Sample Receipt Advice: (Lab Use Only)

☐ All Samples Received in Good Condition

☐ All Documentation is in Proper Order

☐ Samples Received Properly Chilled

Lab. Ref/Batch No.

1005684

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



**TETRA TECH**  
COFFEY

Consigning Office: kelsie.mcgillien@tetratech.com  
Report Results to: Edward.Wu@tetratech.com  
Invoices to: Accounts

Mobile: 61294061030  
Phone: Email:

Task No:

Project No: SYDGE319200

Laboratory:

Project Name: Northern Rivers

Project Manager:

Kelsie McGillien

Sampler's Name:

Quote number (if different to current quoted prices):

Special Instructions:

Analysis Request Section

| Lab Batch Ref | Sample ID    | Sample Date | Time | Matrix<br>(Soil...etc) | Container Type &<br>Preservative* | T-A-T<br>(specify) | B6 (TRH BTEX PAH 8 Metals) | B14 (OCP OPP) | B1 (TRH BTEX) | CEC TOC Iron | Asbestos 50g | ASS ph Screening | NOTES |
|---------------|--------------|-------------|------|------------------------|-----------------------------------|--------------------|----------------------------|---------------|---------------|--------------|--------------|------------------|-------|
|               | EM-SS1       | 4/7/23      |      | Soil                   | JZ                                | Standard           | X                          |               |               |              | X            | X                |       |
|               | " SS2        |             |      |                        | "                                 |                    |                            |               |               |              | X            | X                |       |
|               | " SS3        |             |      |                        | "                                 |                    | X                          |               |               |              | X            | X                |       |
|               | " SS4        |             |      |                        | "                                 |                    | X                          |               |               |              | X            | X                |       |
|               | " SS5        |             |      |                        | "                                 |                    | X                          |               |               |              | X            | X                |       |
|               | BL-SS1       |             |      |                        | "                                 |                    | X                          |               |               |              | X            | X                |       |
|               | " SS2        |             |      |                        | "                                 |                    | X                          |               |               |              | X            | X                |       |
|               | " SS3        |             |      |                        | "                                 |                    | X                          |               |               |              | X            | X                |       |
|               | " SS4        |             |      |                        | "                                 |                    | X                          |               |               |              | X            | X                |       |
|               | " SS5        |             |      |                        | "                                 |                    | X                          |               |               |              | X            | X                |       |
|               | WA-CBH10-0.1 |             |      |                        | JZ                                |                    | X                          |               |               |              | X            | X                |       |
|               | " " 0.1-0.3  |             |      |                        | JZ                                |                    | X                          |               |               |              | X            | X                |       |
|               | " " 0.3-0.8  |             |      |                        | JZ                                |                    | X                          |               |               |              | X            | X                |       |
|               | " " 1.0-1.25 |             |      |                        | JZ                                |                    | X                          |               |               |              | X            | X                |       |

RELINQUISHED BY

Name: Kelsie McGillien  
Company: Coffey  
Date: 5/7/23  
Time:

RECEIVED BY

Name: Date:  
Company: Time:  
Name: Date:  
Company: Time:

Sample Receipt Advice: (Lab Use Only)

☐ All Samples Received in Good Condition  
☐ All Documentation is in Proper Order  
☐ Samples Received Properly Chilled  
Lab. Ref/Batch No.:

\*Container Type & Preservation Codes: P - Plastic, G - Glass Bottle, J - Glass Jar, V - Vial, Z - Ziplock bag, N - Nitric Acid Preserved, C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice, ST - Sodium Thiosulfate, NP - No Preservative

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Consigning Office: kelsie.mcgillen@tetratech.com  
Report Results to: Edward.Wu@tetratech.com  
Invoices to: Accounts

Mobile: 61294061030  
Phone: Email:

| Project No: SYDGE319200                                                                                                                                                                                                                                         |           | Task No:         |      | Analysis Request Section |                                 |                 |                            |               |               |              |              |                  |      |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|------|--------------------------|---------------------------------|-----------------|----------------------------|---------------|---------------|--------------|--------------|------------------|------|-------|
| Project Name: Northern Rivers                                                                                                                                                                                                                                   |           | Laboratory:      |      | Kelsie McGillen          |                                 |                 |                            |               |               |              |              |                  |      |       |
| Sample's Name:                                                                                                                                                                                                                                                  |           | Project Manager: |      |                          |                                 |                 |                            |               |               |              |              |                  |      |       |
| Quote number (if different to current quoted prices):                                                                                                                                                                                                           |           |                  |      |                          |                                 |                 |                            |               |               |              |              |                  |      |       |
| Special Instructions:                                                                                                                                                                                                                                           |           |                  |      |                          |                                 |                 |                            |               |               |              |              |                  |      |       |
| Lab Batch Ref                                                                                                                                                                                                                                                   | Sample ID | Sample Date      | Time | Matrix (Soil...etc)      | Container Type & Preservative * | T-A-T (specify) | B6 (TRH BTEX PAH & Metals) | B14 (OCP OPP) | B1 (TRH BTEX) | CFC TOC Iron | Asbestos 50g | ASS ph Screening | HOLD | NOTES |
| WA-CBH2 0-0-1                                                                                                                                                                                                                                                   | 4/7/23    |                  |      | Soil                     | JZ                              | Standard        | X                          | X             |               | X            | X            |                  |      |       |
| " " 0-1-0-3                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 | X                          |               |               |              |              |                  |      |       |
| " " 0-3-0-8                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 |                            |               |               |              |              |                  |      |       |
| " " 1-5-1-9                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 |                            |               |               |              |              |                  |      |       |
| WA-EBH1 0-0-1                                                                                                                                                                                                                                                   |           |                  |      |                          | JZ                              |                 |                            |               |               |              |              |                  |      |       |
| " " 0-1-0-5                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 | X                          |               |               |              |              |                  |      |       |
| " " 0-5-1-0                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 |                            |               |               |              |              |                  |      |       |
| " " 1-0-1-5                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 | X                          |               |               |              |              |                  |      |       |
| WA-GBH2 0-0-1                                                                                                                                                                                                                                                   |           |                  |      |                          | JZ                              |                 |                            |               |               |              |              |                  |      |       |
| " " 0-1-0-9                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 | X                          |               |               |              |              |                  |      |       |
| " " 0-9-0-8                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 | X                          |               |               |              |              |                  |      |       |
| " " 0-8-1-5                                                                                                                                                                                                                                                     |           |                  |      |                          | JZ                              |                 | X                          |               |               |              |              |                  |      |       |
| RELINQUISHED BY                                                                                                                                                                                                                                                 |           |                  |      |                          |                                 |                 | RECEIVED BY                |               |               |              |              |                  |      |       |
| Name: Kelsie McGillen                                                                                                                                                                                                                                           |           |                  |      |                          |                                 |                 | Name:                      |               |               |              |              |                  |      |       |
| Date: 5/7/23                                                                                                                                                                                                                                                    |           |                  |      |                          |                                 |                 | Date:                      |               |               |              |              |                  |      |       |
| Time:                                                                                                                                                                                                                                                           |           |                  |      |                          |                                 |                 | Time:                      |               |               |              |              |                  |      |       |
| Company:                                                                                                                                                                                                                                                        |           |                  |      |                          |                                 |                 | Company:                   |               |               |              |              |                  |      |       |
| Name:                                                                                                                                                                                                                                                           |           |                  |      |                          |                                 |                 | Name:                      |               |               |              |              |                  |      |       |
| Date:                                                                                                                                                                                                                                                           |           |                  |      |                          |                                 |                 | Date:                      |               |               |              |              |                  |      |       |
| Time:                                                                                                                                                                                                                                                           |           |                  |      |                          |                                 |                 | Time:                      |               |               |              |              |                  |      |       |
| Company:                                                                                                                                                                                                                                                        |           |                  |      |                          |                                 |                 | Company:                   |               |               |              |              |                  |      |       |
| *Container Type & Preservation Codes: P - Plastic, G - Glass Bottle, J - Glass Jar, V - Vial, Z - Ziplock bag, N - Nitric Acid Preserved, C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice, ST - Sodium Thiosulfate, NP - No Preservative |           |                  |      |                          |                                 |                 |                            |               |               |              |              |                  |      |       |

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1005684

## Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

| Melbourne                                                                                       | Geelong                                                                                        | Sydney                                                                                      | Canberra                                                                                        | Brisbane                                                                                       | Newcastle                                                                                              |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 6 Monterey Road<br>Dandenong South<br>VIC 3175<br>Tel: +61 3 8564 5000<br>NATA# 1261 Site# 1254 | 19/8 Lewalan Street<br>Grovedale<br>VIC 3216<br>Tel: +61 3 8564 5000<br>NATA# 1261 Site# 25403 | 179 Magowar Road<br>Girraween<br>NSW 2145<br>Tel: +61 2 9900 8400<br>NATA# 1261 Site# 18217 | Unit 1,2 Dacre Street<br>Mitchell<br>ACT 2911<br>Tel: +61 2 6113 8091<br>NATA# 1261 Site# 25466 | 1/21 Smallwood Place<br>Murarrie<br>QLD 4172<br>Tel: +61 7 3902 4600<br>NATA# 1261 Site# 20794 | 1/2 Frost Drive<br>Mayfield West NSW 2304<br>Tel: +61 2 4968 8448<br>NATA# 1261<br>Site# 25079 & 25289 |

## Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

| Perth                                                                                       |
|---------------------------------------------------------------------------------------------|
| 46-48 Banksia Road<br>Welshpool<br>WA 6106<br>Tel: +61 8 6253 4444<br>NATA# 2377 Site# 2370 |

## Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

| Auckland                                                                           | Christchurch                                                                             |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 35 O'Rourke Road<br>Penrose,<br>Auckland 1061<br>Tel: +64 9 526 4551<br>IANZ# 1327 | 43 Detroit Drive<br>Rolleston,<br>Christchurch 7675<br>Tel: +64 3 343 5201<br>IANZ# 1290 |

## Sample Receipt Advice

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| <b>Company name:</b>      | Tetra Tech Coffey Geotechnics Pty Ltd Chatswood |
| <b>Contact name:</b>      | Kelsie McGillen                                 |
| <b>Project name:</b>      | NORTHERN RIVERS                                 |
| <b>Project ID:</b>        | SYDGE319200                                     |
| <b>Turnaround time:</b>   | 5 Day                                           |
| <b>Date/Time received</b> | Jul 6, 2023 9:30 AM                             |
| <b>Eurofins reference</b> | 1005684                                         |

## 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 : 2.4 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.
- ✓ 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:

**Asim Khan on phone : or by email: [AsimKhan@eurofins.com](mailto:AsimKhan@eurofins.com)**

Results will be delivered electronically via email to Kelsie McGillen - [kelsie.mcgillen@tetrattech.com](mailto:kelsie.mcgillen@tetrattech.com).

*Note: A copy of these results will also be delivered to the general Tetra Tech Coffey Geotechnics Pty Ltd Chatswood email address.*

**Company Name:** Tetra Tech Coffey Geotechnics Pty Ltd Chatswood  
**Address:** Level 18, Tower B, Citadel Tower 799 Pacific Highway  
Chatswood  
NSW 2067

**Project Name:** NORTHERN RIVERS  
**Project ID:** SYDGE319200

**Order No.:**  
**Report #:** 1005684  
**Phone:** +61 2 9406 1000  
**Fax:** +61 2 9406 1002

**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

**Eurofins Analytical Services Manager : Asim Khan**

| Sample Detail                                  |                      |              |               |        |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|----------------------|--------------|---------------|--------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                      |              |               |        |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                      |              |               |        |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| External Laboratory                            |                      |              |               |        |               |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| No                                             | Sample ID            | Sample Date  | Sampling Time | Matrix | LAB ID        |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 1                                              | BROAD C-BH1 0.1-0.5  | Jul 03, 2023 |               | Soil   | S23-JI0012203 |                   |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 2                                              | BROAD C-BH1 0.5-1.0  | Jul 03, 2023 |               | Soil   | S23-JI0012204 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 3                                              | BROAD C-BH1 6.8-7.0  | Jul 03, 2023 |               | Soil   | S23-JI0012205 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 4                                              | BROAD C-BH2 0.1-0.35 | Jul 03, 2023 |               | Soil   | S23-JI0012206 |                   |      | X    | X                    |                                  |                    | X            | X                        | X                 |                        |                        |
| 5                                              | BROAD C-BH2 0.35-0.8 | Jul 03, 2023 |               | Soil   | S23-JI0012207 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 6                                              | BROAD C-BH2 6.8-7.0  | Jul 03, 2023 |               | Soil   | S23-JI0012208 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 7                                              | BROAD E-BH1 0.1-0.4  | Jul 03, 2023 |               | Soil   | S23-JI0012209 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

**Company Name:** Tetra Tech Coffey Geotechnics Pty Ltd Chatswood  
**Address:** Level 18, Tower B, Citadel Tower 799 Pacific Highway  
Chatswood  
NSW 2067

**Project Name:** NORTHERN RIVERS  
**Project ID:** SYDGE319200

**Order No.:**  
**Report #:** 1005684  
**Phone:** +61 2 9406 1000  
**Fax:** +61 2 9406 1002

**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                     |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 8                                              | BROAD E-BH1 0.4-1.0 | Jul 03, 2023 |  | Soil                | S23-JI0012210 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 9                                              | BR-SS1              | Jul 03, 2023 |  | Soil                | S23-JI0012211 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 10                                             | BR-SS2              | Jul 03, 2023 |  | Soil                | S23-JI0012212 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 11                                             | BR-SS3              | Jul 03, 2023 |  | Soil                | S23-JI0012213 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 12                                             | BR-SS4              | Jul 03, 2023 |  | Soil                | S23-JI0012214 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 13                                             | BR-SS5              | Jul 03, 2023 |  | Soil                | S23-JI0012215 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 14                                             | BR-SS6              | Jul 03, 2023 |  | Soil                | S23-JI0012216 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 15                                             | DUP1                | Jul 03, 2023 |  | Soil                | S23-JI0012217 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 16                                             | TS                  | Jul 03, 2023 |  | Trip Spike (liquid) | S23-JI0012218 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 17                                             | TB                  | Jul 03, 2023 |  | Trip Blank (liquid) | S23-JI0012219 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 18                                             | WA-SS1              | Jul 04, 2023 |  | Soil                | S23-JI0012220 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 19                                             | WA-SS2              | Jul 04, 2023 |  | Soil                | S23-JI0012221 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 20                                             | WA-SS3              | Jul 04, 2023 |  | Soil                | S23-JI0012222 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |



**Melbourne**  
6 Monterey Road  
Dandenong South  
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Tel: +61 3 8564 5000  
NATA# 1261 Site# 1254

**Geelong**  
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NATA# 1261 Site# 20794

**Newcastle**  
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NATA# 1261  
Site# 25079 & 25289

**Perth**  
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NATA# 2377 Site# 2370

**Auckland**  
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Penrose,  
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43 Detroit Drive  
Rolleston,  
Christchurch 7675  
Tel: +64 3 343 5201  
IANZ# 1290

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

**Company Name:** Tetra Tech Coffey Geotechnics Pty Ltd Chatswood  
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| Sample Detail                                  |                     |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 21                                             | WA-SS4              | Jul 04, 2023 |  | Soil                | S23-JI0012223 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 22                                             | WA-SS5              | Jul 04, 2023 |  | Soil                | S23-JI0012224 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 23                                             | DUP2                | Jul 04, 2023 |  | Soil                | S23-JI0012225 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 24                                             | DUP3                | Jul 04, 2023 |  | Soil                | S23-JI0012226 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 25                                             | TS                  | Jul 04, 2023 |  | Trip Spike (liquid) | S23-JI0012227 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 26                                             | TB                  | Jul 04, 2023 |  | Trip Blank (liquid) | S23-JI0012228 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 27                                             | BROAD E-BH2 0.1-0.5 | Jul 03, 2023 |  | Soil                | S23-JI0012229 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 28                                             | BROAD E-BH2 0.5-1.0 | Jul 03, 2023 |  | Soil                | S23-JI0012230 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 29                                             | EM-SS1              | Jul 04, 2023 |  | Soil                | S23-JI0012231 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 30                                             | EM-SS3              | Jul 04, 2023 |  | Soil                | S23-JI0012232 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 31                                             | EM-SS4              | Jul 04, 2023 |  | Soil                | S23-JI0012233 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 32                                             | EM-SS5              | Jul 04, 2023 |  | Soil                | S23-JI0012234 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |



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**Company Name:** Tetra Tech Coffey Geotechnics Pty Ltd Chatswood  
**Address:** Level 18, Tower B, Citadel Tower 799 Pacific Highway  
Chatswood  
NSW 2067

**Project Name:** NORTHERN RIVERS  
**Project ID:** SYDGE319200

**Order No.:**  
**Report #:** 1005684  
**Phone:** +61 2 9406 1000  
**Fax:** +61 2 9406 1002

**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

**Eurofins Analytical Services Manager : Asim Khan**

| Sample Detail                                  |                   |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|-------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                   |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                   |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 33                                             | BL-SS1            | Jul 04, 2023 |  | Soil | S23-JI0012235 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 34                                             | BL-SS2            | Jul 04, 2023 |  | Soil | S23-JI0012236 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 35                                             | BL-SS3            | Jul 04, 2023 |  | Soil | S23-JI0012237 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 36                                             | BL-SS4            | Jul 04, 2023 |  | Soil | S23-JI0012238 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 37                                             | WA-C BH1 0-0.1    | Jul 04, 2023 |  | Soil | S23-JI0012239 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 38                                             | WA-C BH1 0.1-0.3  | Jul 04, 2023 |  | Soil | S23-JI0012240 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 39                                             | WA-C BH1 0.3-0.8  | Jul 04, 2023 |  | Soil | S23-JI0012241 | X                 |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 40                                             | WA-C BH1 1.0-1.25 | Jul 04, 2023 |  | Soil | S23-JI0012242 |                   |      |      |                      | X                                |                    | X            |                          | X                 |                        |                        |
| 41                                             | WA-C BH2 0-0.1    | Jul 04, 2023 |  | Soil | S23-JI0012243 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 42                                             | WA-C BH2 0.1-0.3  | Jul 04, 2023 |  | Soil | S23-JI0012244 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 43                                             | WA-C BH2          | Jul 04, 2023 |  | Soil | S23-JI0012245 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |



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**Project Name:** NORTHERN RIVERS  
**Project ID:** SYDGE319200

**Order No.:**  
**Report #:** 1005684  
**Phone:** +61 2 9406 1000  
**Fax:** +61 2 9406 1002

**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

**Eurofins Analytical Services Manager : Asim Khan**

| Sample Detail                                  |                     |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 43                                             | WA-C BH2<br>1.5-1.9 | Jul 04, 2023 |  | Soil | S23-JI0012245 |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 44                                             | WA-E BH1<br>0.1-0.5 | Jul 04, 2023 |  | Soil | S23-JI0012246 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 45                                             | WA-E BH1<br>1.0-1.5 | Jul 04, 2023 |  | Soil | S23-JI0012247 |                   |      |      |                      | X                                |                    | X            |                          | X                 |                        |                        |
| 46                                             | WA-E BH2<br>0.1-0.4 | Jul 04, 2023 |  | Soil | S23-JI0012248 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 47                                             | WA-E BH2<br>0.4-0.8 | Jul 04, 2023 |  | Soil | S23-JI0012249 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 48                                             | WA-E BH2<br>0.8-1.5 | Jul 04, 2023 |  | Soil | S23-JI0012250 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 49                                             | DUP4                | Jul 05, 2023 |  | Soil | S23-JI0012251 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 50                                             | EM-C BH1 0-<br>0.1  | Jul 05, 2023 |  | Soil | S23-JI0012252 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 51                                             | EM-C BH1<br>0.3-0.8 | Jul 05, 2023 |  | Soil | S23-JI0012253 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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**Project ID:** SYDGE319200

**Order No.:**  
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**Phone:** +61 2 9406 1000  
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**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                   |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|-------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                   |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                   |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 52                                             | TS                | Jul 05, 2023 |  | Trip Spike (liquid) | S23-JI0012254 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 53                                             | TB                | Jul 05, 2023 |  | Trip Blank (liquid) | S23-JI0012255 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 54                                             | EMC BH1 1.25-1.5  | Jul 05, 2023 |  | Soil                | S23-JI0012256 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 55                                             | BROAD C-BH1 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012257 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 56                                             | BROAD C-BH2 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012258 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 57                                             | BROAD E-BH1 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012259 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 58                                             | BROAD E-BH2 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012260 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 59                                             | EM-SS2            | Jul 04, 2023 |  | Soil                | S23-JI0012261 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 60                                             | BL-SS5            | Jul 04, 2023 |  | Soil                | S23-JI0012262 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 61                                             | WA-C BH2          | Jul 04, 2023 |  | Soil                | S23-JI0012263 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |



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**Phone:** +61 2 9406 1000  
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**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

**Eurofins Analytical Services Manager : Asim Khan**

| Sample Detail                                  |                  |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                  |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                  |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
|                                                | 0.3-0.8          |              |  |      |               |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 62                                             | WA-E BH1 0-0.1   | Jul 04, 2023 |  | Soil | S23-JI0012264 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 63                                             | WA-E BH1 0.5-1.0 | Jul 04, 2023 |  | Soil | S23-JI0012265 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 64                                             | WA-E BH2 0-0.1   | Jul 04, 2023 |  | Soil | S23-JI0012266 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 65                                             | EM-C BH1 0.1-0.3 | Jul 05, 2023 |  | Soil | S23-JI0012267 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 66                                             | EM-C BH1 0.8-1.5 | Jul 05, 2023 |  | Soil | S23-JI0012268 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| Test Counts                                    |                  |              |  |      |               | 19                | 12   | 5    | 5                    | 7                                | 4                  | 42           | 5                        | 42                | 3                      | 3                      |

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**NSW 2067**



**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.

**Attention:** Kelsie McGillen  
**Report** 1005684-AID  
**Project Name** **NORTHERN RIVERS**  
**Project ID** **SYDGE319200**  
**Received Date** Jul 06, 2023  
**Date Reported** Jul 21, 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** NORTHERN RIVERS  
**Project ID** SYDGE319200  
**Date Sampled** Jul 03, 2023 to Jul 05, 2023  
**Report** 1005684-AID

| Client Sample ID | Eurofins Sample No. | Date Sampled | Sample Description                                                                                      | Result                                                                                                              |
|------------------|---------------------|--------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| BR-SS5           | 23-JI0012215        | Jul 03, 2023 | Approximate Sample 387g<br>Sample consisted of: Grey coarse-grained sandy soil and rocks                | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| BR-SS6           | 23-JI0012216        | Jul 03, 2023 | Approximate Sample 349g<br>Sample consisted of: Brown coarse-grained sandy soil and rocks               | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WA-SS1           | 23-JI0012220        | Jul 04, 2023 | Approximate Sample 190g<br>Sample consisted of: Grey coarse-grained sandy soil, plant residue and rocks | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WA-SS2           | 23-JI0012221        | Jul 04, 2023 | Approximate Sample 193g<br>Sample consisted of: Grey fine-grained clayey soil and rocks                 | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WA-SS4           | 23-JI0012223        | Jul 04, 2023 | Approximate Sample 202g<br>Sample consisted of: Brown fine-grained clayey soil and rocks                | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WA-SS5           | 23-JI0012224        | Jul 04, 2023 | Approximate Sample 217g<br>Sample consisted of: Brown fine-grained clayey soil and rocks                | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| EM-SS1           | 23-JI0012231        | Jul 04, 2023 | Approximate Sample 310g<br>Sample consisted of: Grey fine-grained clayey soil and rocks                 | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| EM-SS3           | 23-JI0012232        | Jul 04, 2023 | Approximate Sample 282g<br>Sample consisted of: Grey coarse-grained sandy soil and rocks                | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |

| Client Sample ID | Eurofins Sample No. | Date Sampled | Sample Description                                                                        | Result                                                                                                              |
|------------------|---------------------|--------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| EM-SS4           | 23-JI0012233        | Jul 04, 2023 | Approximate Sample 263g<br>Sample consisted of: Brown coarse-grained sandy soil and rocks | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| EM-SS5           | 23-JI0012234        | Jul 04, 2023 | Approximate Sample 249g<br>Sample consisted of: Brown coarse-grained sandy soil and rocks | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| BL-SS1           | 23-JI0012235        | Jul 04, 2023 | Approximate Sample 233g<br>Sample consisted of: Brown fine-grained clayey soil and rocks  | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| BL-SS2           | 23-JI0012236        | Jul 04, 2023 | Approximate Sample 171g<br>Sample consisted of: Brown fine-grained clayey soil and rocks  | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| BL-SS3           | 23-JI0012237        | Jul 04, 2023 | Approximate Sample 321g<br>Sample consisted of: Brown coarse-grained sandy soil and rocks | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| BL-SS4           | 23-JI0012238        | Jul 04, 2023 | Approximate Sample 294g<br>Sample consisted of: Brown fine-grained clayey soil and rocks  | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WA-C BH1 0.3-0.8 | 23-JI0012241        | Jul 04, 2023 | Approximate Sample 296g<br>Sample consisted of: Brown fine-grained clayey soil and rocks  | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WA-C BH2 0.1-0.3 | 23-JI0012244        | Jul 04, 2023 | Approximate Sample 244g<br>Sample consisted of: Grey coarse-grained sandy soil and rocks  | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WA-E BH1 0.1-0.5 | 23-JI0012246        | Jul 04, 2023 | Approximate Sample 235g<br>Sample consisted of: Grey coarse-grained sandy soil and rocks  | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WA-E BH2 0.4-0.8 | 23-JI0012249        | Jul 04, 2023 | Approximate Sample 189g<br>Sample consisted of: Grey coarse-grained sandy soil and rocks  | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| EM-C BH1 0-0.1   | 23-JI0012252        | Jul 05, 2023 | Approximate Sample 239g<br>Sample consisted of: Grey coarse-grained sandy soil and rocks  | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>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       | Jul 07, 2023 | Indefinite   |

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NSW 2067

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**Project ID:** SYDGE319200

**Order No.:**  
**Report #:** 1005684  
**Phone:** +61 2 9406 1000  
**Fax:** +61 2 9406 1002

**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                      |              |               |        |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|----------------------|--------------|---------------|--------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                      |              |               |        |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                      |              |               |        |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| External Laboratory                            |                      |              |               |        |               |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| No                                             | Sample ID            | Sample Date  | Sampling Time | Matrix | LAB ID        |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 1                                              | BROAD C-BH1 0.1-0.5  | Jul 03, 2023 |               | Soil   | S23-JI0012203 |                   |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 2                                              | BROAD C-BH1 0.5-1.0  | Jul 03, 2023 |               | Soil   | S23-JI0012204 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 3                                              | BROAD C-BH1 6.8-7.0  | Jul 03, 2023 |               | Soil   | S23-JI0012205 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 4                                              | BROAD C-BH2 0.1-0.35 | Jul 03, 2023 |               | Soil   | S23-JI0012206 |                   |      | X    | X                    |                                  |                    | X            | X                        | X                 |                        |                        |
| 5                                              | BROAD C-BH2 0.35-0.8 | Jul 03, 2023 |               | Soil   | S23-JI0012207 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 6                                              | BROAD C-BH2 6.8-7.0  | Jul 03, 2023 |               | Soil   | S23-JI0012208 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 7                                              | BROAD E-BH1 0.1-0.4  | Jul 03, 2023 |               | Soil   | S23-JI0012209 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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**Contact Name:** Kelsie McGillen

Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                     |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 8                                              | BROAD E-BH1 0.4-1.0 | Jul 03, 2023 |  | Soil                | S23-JI0012210 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 9                                              | BR-SS1              | Jul 03, 2023 |  | Soil                | S23-JI0012211 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 10                                             | BR-SS2              | Jul 03, 2023 |  | Soil                | S23-JI0012212 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 11                                             | BR-SS3              | Jul 03, 2023 |  | Soil                | S23-JI0012213 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 12                                             | BR-SS4              | Jul 03, 2023 |  | Soil                | S23-JI0012214 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 13                                             | BR-SS5              | Jul 03, 2023 |  | Soil                | S23-JI0012215 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 14                                             | BR-SS6              | Jul 03, 2023 |  | Soil                | S23-JI0012216 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 15                                             | DUP1                | Jul 03, 2023 |  | Soil                | S23-JI0012217 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 16                                             | TS                  | Jul 03, 2023 |  | Trip Spike (liquid) | S23-JI0012218 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 17                                             | TB                  | Jul 03, 2023 |  | Trip Blank (liquid) | S23-JI0012219 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 18                                             | WA-SS1              | Jul 04, 2023 |  | Soil                | S23-JI0012220 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 19                                             | WA-SS2              | Jul 04, 2023 |  | Soil                | S23-JI0012221 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 20                                             | WA-SS3              | Jul 04, 2023 |  | Soil                | S23-JI0012222 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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| Sample Detail                                  |                     |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 21                                             | WA-SS4              | Jul 04, 2023 |  | Soil                | S23-JI0012223 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 22                                             | WA-SS5              | Jul 04, 2023 |  | Soil                | S23-JI0012224 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 23                                             | DUP2                | Jul 04, 2023 |  | Soil                | S23-JI0012225 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 24                                             | DUP3                | Jul 04, 2023 |  | Soil                | S23-JI0012226 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 25                                             | TS                  | Jul 04, 2023 |  | Trip Spike (liquid) | S23-JI0012227 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 26                                             | TB                  | Jul 04, 2023 |  | Trip Blank (liquid) | S23-JI0012228 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 27                                             | BROAD E-BH2 0.1-0.5 | Jul 03, 2023 |  | Soil                | S23-JI0012229 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 28                                             | BROAD E-BH2 0.5-1.0 | Jul 03, 2023 |  | Soil                | S23-JI0012230 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 29                                             | EM-SS1              | Jul 04, 2023 |  | Soil                | S23-JI0012231 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 30                                             | EM-SS3              | Jul 04, 2023 |  | Soil                | S23-JI0012232 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 31                                             | EM-SS4              | Jul 04, 2023 |  | Soil                | S23-JI0012233 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 32                                             | EM-SS5              | Jul 04, 2023 |  | Soil                | S23-JI0012234 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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| Sample Detail                                  |                   |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|-------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                   |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                   |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 33                                             | BL-SS1            | Jul 04, 2023 |  | Soil | S23-JI0012235 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 34                                             | BL-SS2            | Jul 04, 2023 |  | Soil | S23-JI0012236 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 35                                             | BL-SS3            | Jul 04, 2023 |  | Soil | S23-JI0012237 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 36                                             | BL-SS4            | Jul 04, 2023 |  | Soil | S23-JI0012238 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 37                                             | WA-C BH1 0-0.1    | Jul 04, 2023 |  | Soil | S23-JI0012239 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 38                                             | WA-C BH1 0.1-0.3  | Jul 04, 2023 |  | Soil | S23-JI0012240 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 39                                             | WA-C BH1 0.3-0.8  | Jul 04, 2023 |  | Soil | S23-JI0012241 | X                 |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 40                                             | WA-C BH1 1.0-1.25 | Jul 04, 2023 |  | Soil | S23-JI0012242 |                   |      |      |                      | X                                |                    | X            |                          | X                 |                        |                        |
| 41                                             | WA-C BH2 0-0.1    | Jul 04, 2023 |  | Soil | S23-JI0012243 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 42                                             | WA-C BH2 0.1-0.3  | Jul 04, 2023 |  | Soil | S23-JI0012244 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 43                                             | WA-C BH2          | Jul 04, 2023 |  | Soil | S23-JI0012245 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |

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| Sample Detail                                  |                     |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 43                                             | WA-C BH2<br>1.5-1.9 | Jul 04, 2023 |  | Soil | S23-JI0012245 |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 44                                             | WA-E BH1<br>0.1-0.5 | Jul 04, 2023 |  | Soil | S23-JI0012246 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 45                                             | WA-E BH1<br>1.0-1.5 | Jul 04, 2023 |  | Soil | S23-JI0012247 |                   |      |      |                      | X                                |                    | X            |                          | X                 |                        |                        |
| 46                                             | WA-E BH2<br>0.1-0.4 | Jul 04, 2023 |  | Soil | S23-JI0012248 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 47                                             | WA-E BH2<br>0.4-0.8 | Jul 04, 2023 |  | Soil | S23-JI0012249 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 48                                             | WA-E BH2<br>0.8-1.5 | Jul 04, 2023 |  | Soil | S23-JI0012250 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 49                                             | DUP4                | Jul 05, 2023 |  | Soil | S23-JI0012251 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 50                                             | EM-C BH1 0-<br>0.1  | Jul 05, 2023 |  | Soil | S23-JI0012252 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 51                                             | EM-C BH1<br>0.3-0.8 | Jul 05, 2023 |  | Soil | S23-JI0012253 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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| Sample Detail                                  |                   |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|-------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                   |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                   |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 52                                             | TS                | Jul 05, 2023 |  | Trip Spike (liquid) | S23-JI0012254 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 53                                             | TB                | Jul 05, 2023 |  | Trip Blank (liquid) | S23-JI0012255 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 54                                             | EMC BH1 1.25-1.5  | Jul 05, 2023 |  | Soil                | S23-JI0012256 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 55                                             | BROAD C-BH1 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012257 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 56                                             | BROAD C-BH2 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012258 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 57                                             | BROAD E-BH1 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012259 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 58                                             | BROAD E-BH2 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012260 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 59                                             | EM-SS2            | Jul 04, 2023 |  | Soil                | S23-JI0012261 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 60                                             | BL-SS5            | Jul 04, 2023 |  | Soil                | S23-JI0012262 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 61                                             | WA-C BH2          | Jul 04, 2023 |  | Soil                | S23-JI0012263 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |

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| Sample Detail                                  |                  |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                  |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                  |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
|                                                | 0.3-0.8          |              |  |      |               |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 62                                             | WA-E BH1 0-0.1   | Jul 04, 2023 |  | Soil | S23-JI0012264 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 63                                             | WA-E BH1 0.5-1.0 | Jul 04, 2023 |  | Soil | S23-JI0012265 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 64                                             | WA-E BH2 0-0.1   | Jul 04, 2023 |  | Soil | S23-JI0012266 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 65                                             | EM-C BH1 0.1-0.3 | Jul 05, 2023 |  | Soil | S23-JI0012267 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 66                                             | EM-C BH1 0.8-1.5 | Jul 05, 2023 |  | Soil | S23-JI0012268 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| Test Counts                                    |                  |              |  |      |               | 19                | 12   | 5    | 5                    | 7                                | 4                  | 42           | 5                        | 42                | 3                      | 3                      |

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

## Calculations

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

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

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

## Terms

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>%asbestos</b>                      | Estimated percentage of asbestos in a given matrix. May be derived from knowledge or experience of the material, informed by HSG264 <i>Appendix 2</i> , else assumed to be 15% in accordance with WA DOH <i>Appendix 2 (P<sub>A</sub>)</i> .                                                                                                                                                                                                                            |
| <b>ACM</b>                            | 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.                                                                                                                                                                                                                                    |
| <b>AF</b>                             | 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".                                                                                                                                                                              |
| <b>AFM</b>                            | Airborne Fibre Monitoring, e.g. by the MFM.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Amosite</b>                        | Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 4964-2004.                                                                                                                                                                                                                                                                                                                                   |
| <b>AS</b>                             | Australian Standard.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Asbestos Content (as asbestos)</b> | Total % w/w asbestos content in asbestos-containing finds in a soil sample ( <b>% w/w</b> ).                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Chrysotile</b>                     | Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 4964-2004.                                                                                                                                                                                                                                                                                                                            |
| <b>COC</b>                            | Chain of Custody.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Crocidolite</b>                    | Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 4964-2004.                                                                                                                                                                                                                                                                                                                           |
| <b>Dry</b>                            | Sample is dried by heating prior to analysis.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>DS</b>                             | Dispersion Staining. Technique required for Unequivocal Identification of asbestos fibres by PLM.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>FA</b>                             | 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. |
| <b>Fibre Count</b>                    | Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Fibre ID</b>                       | Fibre Identification. Unequivocal identification of asbestos fibres according to AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.                                                                                                                                                                                                                                                                                                        |
| <b>Friable</b>                        | 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.                                                                                                                                                                                                                                          |
| <b>HSG248</b>                         | UK HSE HSG248, <i>Asbestos: The Analysts Guide</i> , 2nd Edition (2021).                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>HSG264</b>                         | UK HSE HSG264, <i>Asbestos: The Survey Guide</i> (2012).                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ISO (also ISO/IEC)</b>             | International Organization for Standardization / International Electrotechnical Commission.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>K Factor</b>                       | Microscope constant ( <b>K</b> ) as derived from the effective filter area of the given AFM membrane used for collecting the sample ( <b>A</b> ) and the projected eyepiece graticule area of the specific microscope used for the analysis ( <b>a</b> ).                                                                                                                                                                                                               |
| <b>LOR</b>                            | Limit of Reporting.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MFM (also NOHSC:3003)</b>          | Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, <i>Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres</i> , 2nd Edition [NOHSC:3003(2005)].                                                                                                                                                                                                                      |
| <b>NEPM (also ASC NEPM)</b>           | National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Organic</b>                        | Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified in accordance with AS 4964-2004.                                                                                                                                                                                                                                                                                                                                         |
| <b>PCM</b>                            | Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>PLM</b>                            | Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Sampling</b>                       | Unless otherwise stated Eurofins are not responsible for sampling equipment or the sampling process.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>SMF</b>                            | Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.                                                                                                                                                                                                                                                                                                                                           |
| <b>SRA</b>                            | Sample Receipt Advice.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Trace Analysis</b>                 | Analytical procedure used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.                                                                                                                                                                                                                                                                                                                                                 |
| <b>UK HSE HSG</b>                     | United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UMF</b>                            | 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.                                                                                                                                                                                                                         |
| <b>WA DOH</b>                         | Reference document for the NEPM. Government of Western Australia, <i>Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia</i> (updated 2021), including Appendix Four: <i>Laboratory analysis</i>                                                                                                                                                                                                              |
| <b>Weighted Average</b>               | Combined average % w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample ( <b>%<sub>WA</sub></b> ).                                                                                                                                                                                                                                                                                                                           |

## Comments

### Sample Integrity

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

### Asbestos Counter/Identifier:

Chamath JHM Annakkage      Senior Analyst-Asbestos

### Authorised by:

Sayeed Abu      Senior Analyst-Asbestos



**Glenn Jackson**  
**Managing Director**

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

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**Tetra Tech Coffey Geotechnics Pty Ltd Chatswood**  
**Level 18, Tower B, Citadel Tower 799 Pacific Highway**  
**Chatswood**  
**NSW 2067**



**NATA Accredited**  
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 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:** **Kelsie McGillen**

**Report** **1005684-S**  
**Project name** **NORTHERN RIVERS**  
**Project ID** **SYDGE319200**  
**Received Date** **Jul 06, 2023**

| Client Sample ID                                            |     |       | <b>BROAD C-BH1<br/>0.1-0.5</b> | <b>BROAD C-BH1<br/>0.5-1.0</b> | <b>BROAD C-BH1<br/>6.8-7.0</b> | <b>BROAD C-BH2<br/>0.1-0.35</b> |
|-------------------------------------------------------------|-----|-------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|
| <b>Sample Matrix</b>                                        |     |       | <b>Soil</b>                    | <b>Soil</b>                    | <b>Soil</b>                    | <b>Soil</b>                     |
| <b>Eurofins Sample No.</b>                                  |     |       | <b>S23-JI0012203</b>           | <b>S23-JI0012204</b>           | <b>S23-JI0012205</b>           | <b>S23-JI0012206</b>            |
| <b>Date Sampled</b>                                         |     |       | <b>Jul 03, 2023</b>            | <b>Jul 03, 2023</b>            | <b>Jul 03, 2023</b>            | <b>Jul 03, 2023</b>             |
| Test/Reference                                              | LOR | Unit  |                                |                                |                                |                                 |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |                                |                                |                                |                                 |
| 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) <sup>N04</sup>                    | 20  | mg/kg | < 20                           | < 20                           | -                              | < 20                            |
| TRH >C10-C16                                                | 50  | mg/kg | < 50                           | < 50                           | -                              | < 50                            |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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                           |
| <b>BTEX</b>                                                 |     |       |                                |                                |                                |                                 |
| 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   | %     | 83                             | 75                             | -                              | 88                              |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                                |                                |                                |                                 |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5                          | < 0.5                          | -                              | < 0.5                           |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                                |                                |                                |                                 |
| 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 <sup>N07</sup>                       | 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                           |

| Client Sample ID                        |      |       | BROAD C-BH1<br>0.1-0.5 | BROAD C-BH1<br>0.5-1.0 | BROAD C-BH1<br>6.8-7.0 | BROAD C-BH2<br>0.1-0.35 |
|-----------------------------------------|------|-------|------------------------|------------------------|------------------------|-------------------------|
| Sample Matrix                           |      |       | Soil                   | Soil                   | Soil                   | Soil                    |
| Eurofins Sample No.                     |      |       | S23-JI0012203          | S23-JI0012204          | S23-JI0012205          | S23-JI0012206           |
| Date Sampled                            |      |       | Jul 03, 2023           | Jul 03, 2023           | Jul 03, 2023           | Jul 03, 2023            |
| Test/Reference                          | LOR  | Unit  |                        |                        |                        |                         |
| <b>Polycyclic Aromatic Hydrocarbons</b> |      |       |                        |                        |                        |                         |
| 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    | %     | 95                     | 91                     | -                      | 80                      |
| p-Terphenyl-d14 (surr.)                 | 1    | %     | 115                    | 78                     | -                      | 65                      |
| <b>Organochlorine Pesticides</b>        |      |       |                        |                        |                        |                         |
| 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                 | -                      | -                      | -                       |
| α-HCH                                   | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| Aldrin                                  | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| β-HCH                                   | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| δ-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                 | -                      | -                      | -                       |
| γ-HCH (Lindane)                         | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| Heptachlor                              | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| Heptachlor epoxide                      | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| Hexachlorobenzene                       | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| Methoxychlor                            | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| Toxaphene                               | 0.5  | mg/kg | < 0.5                  | -                      | -                      | -                       |
| Aldrin and Dieldrin (Total)*            | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| DDT + DDE + DDD (Total)*                | 0.05 | mg/kg | < 0.05                 | -                      | -                      | -                       |
| Vic EPA IWRG 621 OCP (Total)*           | 0.1  | mg/kg | < 0.1                  | -                      | -                      | -                       |
| Vic EPA IWRG 621 Other OCP (Total)*     | 0.1  | mg/kg | < 0.1                  | -                      | -                      | -                       |
| Dibutylchloroendate (surr.)             | 1    | %     | 130                    | -                      | -                      | -                       |
| Tetrachloro-m-xylene (surr.)            | 1    | %     | 105                    | -                      | -                      | -                       |
| <b>Organophosphorus Pesticides</b>      |      |       |                        |                        |                        |                         |
| Azinphos-methyl                         | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |
| Bolstar                                 | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |
| Chlorfenvinphos                         | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |
| Chlorpyrifos                            | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |
| Chlorpyrifos-methyl                     | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |
| Coumaphos                               | 2    | mg/kg | < 2                    | -                      | -                      | -                       |
| Demeton-S                               | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |
| Demeton-O                               | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |
| Diazinon                                | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |
| Dichlorvos                              | 0.2  | mg/kg | < 0.2                  | -                      | -                      | -                       |

| Client Sample ID                                    |     |          | BROAD C-BH1<br>0.1-0.5 | BROAD C-BH1<br>0.5-1.0 | BROAD C-BH1<br>6.8-7.0 | BROAD C-BH2<br>0.1-0.35 |
|-----------------------------------------------------|-----|----------|------------------------|------------------------|------------------------|-------------------------|
| Sample Matrix                                       |     |          | Soil                   | Soil                   | Soil                   | Soil                    |
| Eurofins Sample No.                                 |     |          | S23-JI0012203          | S23-JI0012204          | S23-JI0012205          | S23-JI0012206           |
| Date Sampled                                        |     |          | Jul 03, 2023           | Jul 03, 2023           | Jul 03, 2023           | Jul 03, 2023            |
| Test/Reference                                      | LOR | Unit     |                        |                        |                        |                         |
| <b>Organophosphorus Pesticides</b>                  |     |          |                        |                        |                        |                         |
| Dimethoate                                          | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Disulfoton                                          | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| EPN                                                 | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Ethion                                              | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Ethoprop                                            | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Ethyl parathion                                     | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Fenitrothion                                        | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Fensulfothion                                       | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Fenthion                                            | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Malathion                                           | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Merphos                                             | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Methyl parathion                                    | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Mevinphos                                           | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Monocrotophos                                       | 2   | mg/kg    | < 2                    | -                      | -                      | -                       |
| Naled                                               | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Omethoate                                           | 2   | mg/kg    | < 2                    | -                      | -                      | -                       |
| Phorate                                             | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Pirimiphos-methyl                                   | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Pyrazophos                                          | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Ronnel                                              | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Terbufos                                            | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Tetrachlorvinphos                                   | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Tokuthion                                           | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Trichloronate                                       | 0.2 | mg/kg    | < 0.2                  | -                      | -                      | -                       |
| Triphenylphosphate (surr.)                          | 1   | %        | 104                    | -                      | -                      | -                       |
|                                                     |     |          |                        |                        |                        |                         |
| Conductivity (1:5 aqueous extract at 25 °C as rec.) | 10  | uS/cm    | 12                     | -                      | -                      | < 10                    |
| Total Organic Carbon                                | 0.1 | %        | 0.5                    | -                      | -                      | 0.8                     |
| <b>Heavy Metals</b>                                 |     |          |                        |                        |                        |                         |
| Arsenic                                             | 2   | mg/kg    | < 2                    | < 2                    | -                      | < 2                     |
| Cadmium                                             | 0.4 | mg/kg    | < 0.4                  | < 0.4                  | -                      | < 0.4                   |
| Chromium                                            | 5   | mg/kg    | < 5                    | 34                     | -                      | < 5                     |
| Copper                                              | 5   | mg/kg    | < 5                    | 22                     | -                      | < 5                     |
| Iron                                                | 20  | mg/kg    | 1700                   | -                      | -                      | 2200                    |
| Lead                                                | 5   | mg/kg    | 10                     | 10                     | -                      | 8.6                     |
| Mercury                                             | 0.1 | mg/kg    | < 0.1                  | < 0.1                  | -                      | < 0.1                   |
| Nickel                                              | 5   | mg/kg    | < 5                    | 18                     | -                      | < 5                     |
| Zinc                                                | 5   | mg/kg    | 15                     | 51                     | -                      | 18                      |
| <b>Cation Exchange Capacity</b>                     |     |          |                        |                        |                        |                         |
| Cation Exchange Capacity*                           | 0.5 | meq/100g | 2.8                    | -                      | -                      | 2.2                     |
| <b>Sample Properties</b>                            |     |          |                        |                        |                        |                         |
| % Moisture                                          | 1   | %        | 11                     | 24                     | -                      | 9.2                     |
| <b>Acid Sulfate Soils Field pH Test</b>             |     |          |                        |                        |                        |                         |
| pH-F (Field pH test)*                               | 0.1 | pH Units | -                      | -                      | 6.4                    | -                       |
| pH-FOX (Field pH Peroxide test)*                    | 0.1 | pH Units | -                      | -                      | 3.3                    | -                       |
| Reaction Ratings* <sup>S05</sup>                    | 0   | -        | -                      | -                      | 1.0                    | -                       |

| Client Sample ID                                            |     |       | BROAD C-BH2<br>0.35-0.8 | BROAD C-BH2<br>6.8-7.0 | BROAD E-BH1<br>0.1-0.4 | BROAD E-BH1<br>0.4-1.0 |
|-------------------------------------------------------------|-----|-------|-------------------------|------------------------|------------------------|------------------------|
| Sample Matrix                                               |     |       | Soil                    | Soil                   | Soil                   | Soil                   |
| Eurofins Sample No.                                         |     |       | S23-JI0012207           | S23-JI0012208          | S23-JI0012209          | S23-JI0012210          |
| Date Sampled                                                |     |       | Jul 03, 2023            | Jul 03, 2023           | Jul 03, 2023           | Jul 03, 2023           |
| Test/Reference                                              | LOR | Unit  |                         |                        |                        |                        |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |                         |                        |                        |                        |
| 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) <sup>N04</sup>                    | 20  | mg/kg | < 20                    | -                      | < 20                   | < 20                   |
| TRH >C10-C16                                                | 50  | mg/kg | < 50                    | -                      | < 50                   | < 50                   |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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                  |
| <b>BTEX</b>                                                 |     |       |                         |                        |                        |                        |
| 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   | %     | 74                      | -                      | 81                     | 75                     |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                         |                        |                        |                        |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5                   | -                      | < 0.5                  | < 0.5                  |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                         |                        |                        |                        |
| 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 <sup>N07</sup>                       | 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   | %     | 91                      | -                      | 92                     | 97                     |
| p-Terphenyl-d14 (surr.)                                     | 1   | %     | 75                      | -                      | 75                     | 76                     |

| Client Sample ID                        |     |          | BROAD C-BH2<br>0.35-0.8 | BROAD C-BH2<br>6.8-7.0 | BROAD E-BH1<br>0.1-0.4 | BROAD E-BH1<br>0.4-1.0 |
|-----------------------------------------|-----|----------|-------------------------|------------------------|------------------------|------------------------|
| Sample Matrix                           |     |          | Soil                    | Soil                   | Soil                   | Soil                   |
| Eurofins Sample No.                     |     |          | S23-JI0012207           | S23-JI0012208          | S23-JI0012209          | S23-JI0012210          |
| Date Sampled                            |     |          | Jul 03, 2023            | Jul 03, 2023           | Jul 03, 2023           | Jul 03, 2023           |
| Test/Reference                          | LOR | Unit     |                         |                        |                        |                        |
| <b>Heavy Metals</b>                     |     |          |                         |                        |                        |                        |
| Arsenic                                 | 2   | mg/kg    | 2.0                     | -                      | < 2                    | < 2                    |
| Cadmium                                 | 0.4 | mg/kg    | < 0.4                   | -                      | < 0.4                  | < 0.4                  |
| Chromium                                | 5   | mg/kg    | 37                      | -                      | 11                     | 35                     |
| Copper                                  | 5   | mg/kg    | 14                      | -                      | 6.2                    | 13                     |
| Lead                                    | 5   | mg/kg    | 10                      | -                      | 13                     | 9.0                    |
| Mercury                                 | 0.1 | mg/kg    | < 0.1                   | -                      | < 0.1                  | < 0.1                  |
| Nickel                                  | 5   | mg/kg    | 17                      | -                      | 9.0                    | 12                     |
| Zinc                                    | 5   | mg/kg    | 46                      | -                      | 44                     | 33                     |
| <b>Sample Properties</b>                |     |          |                         |                        |                        |                        |
| % Moisture                              | 1   | %        | 31                      | -                      | 19                     | 28                     |
| <b>Acid Sulfate Soils Field pH Test</b> |     |          |                         |                        |                        |                        |
| pH-F (Field pH test)*                   | 0.1 | pH Units | -                       | 5.7                    | -                      | -                      |
| pH-FOX (Field pH Peroxide test)*        | 0.1 | pH Units | -                       | 2.6                    | -                      | -                      |
| Reaction Ratings* <sup>S05</sup>        | 0   | -        | -                       | 1.0                    | -                      | -                      |

| Client Sample ID                                            |     |       | BR-SS1        | BR-SS2        | BR-SS3        | BR-SS4        |
|-------------------------------------------------------------|-----|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                                               |     |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                                         |     |       | S23-JI0012211 | S23-JI0012212 | S23-JI0012213 | S23-JI0012214 |
| Date Sampled                                                |     |       | Jul 03, 2023  | Jul 03, 2023  | Jul 03, 2023  | Jul 03, 2023  |
| Test/Reference                                              | LOR | Unit  |               |               |               |               |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |               |               |               |               |
| 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) <sup>N04</sup>                    | 20  | mg/kg | < 20          | < 20          | < 20          | < 20          |
| TRH >C10-C16                                                | 50  | mg/kg | < 50          | < 50          | < 50          | < 50          |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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         |
| <b>BTEX</b>                                                 |     |       |               |               |               |               |
| 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   | %     | 80            | 90            | 90            | 84            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |               |               |               |               |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5         | < 0.5         | < 0.5         | < 0.5         |

| Client Sample ID                        |     |       | BR-SS1        | BR-SS2        | BR-SS3        | BR-SS4        |
|-----------------------------------------|-----|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                           |     |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                     |     |       | S23-JI0012211 | S23-JI0012212 | S23-JI0012213 | S23-JI0012214 |
| Date Sampled                            |     |       | Jul 03, 2023  | Jul 03, 2023  | Jul 03, 2023  | Jul 03, 2023  |
| Test/Reference                          | LOR | Unit  |               |               |               |               |
| <b>Polycyclic Aromatic Hydrocarbons</b> |     |       |               |               |               |               |
| 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 <sup>N07</sup>   | 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   | %     | 107           | 99            | 87            | 77            |
| p-Terphenyl-d14 (surr.)                 | 1   | %     | 77            | 79            | 75            | 72            |
| <b>Heavy Metals</b>                     |     |       |               |               |               |               |
| 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 | < 5           | < 5           | 14            | 30            |
| Copper                                  | 5   | mg/kg | < 5           | < 5           | 14            | 14            |
| Lead                                    | 5   | mg/kg | 5.6           | < 5           | 43            | 27            |
| Mercury                                 | 0.1 | mg/kg | < 0.1         | < 0.1         | 0.1           | < 0.1         |
| Nickel                                  | 5   | mg/kg | < 5           | < 5           | 9.7           | 9.1           |
| Zinc                                    | 5   | mg/kg | 13            | 11            | 82            | 48            |
| <b>Sample Properties</b>                |     |       |               |               |               |               |
| % Moisture                              | 1   | %     | 19            | 10.0          | 18            | 17            |

| Client Sample ID                         |     |       | BR-SS5        | BR-SS6        | DUP1          | WA-SS1        |
|------------------------------------------|-----|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                            |     |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                      |     |       | S23-JI0012215 | S23-JI0012216 | S23-JI0012217 | S23-JI0012220 |
| Date Sampled                             |     |       | Jul 03, 2023  | Jul 03, 2023  | Jul 03, 2023  | Jul 04, 2023  |
| Test/Reference                           | LOR | Unit  |               |               |               |               |
| <b>Total Recoverable Hydrocarbons</b>    |     |       |               |               |               |               |
| 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) <sup>N04</sup> | 20  | mg/kg | < 20          | < 20          | < 20          | < 20          |
| TRH >C10-C16                             | 50  | mg/kg | < 50          | < 50          | < 50          | < 50          |

| Client Sample ID                                            |      |       | BR-SS5        | BR-SS6        | DUP1          | WA-SS1        |
|-------------------------------------------------------------|------|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                                               |      |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                                         |      |       | S23-JI0012215 | S23-JI0012216 | S23-JI0012217 | S23-JI0012220 |
| Date Sampled                                                |      |       | Jul 03, 2023  | Jul 03, 2023  | Jul 03, 2023  | Jul 04, 2023  |
| Test/Reference                                              | LOR  | Unit  |               |               |               |               |
| <b>Total Recoverable Hydrocarbons</b>                       |      |       |               |               |               |               |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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         |
| <b>BTEX</b>                                                 |      |       |               |               |               |               |
| 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    | %     | 79            | 70            | 87            | 84            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |               |               |               |               |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | < 0.5         | < 0.5         | < 0.5         | < 0.5         |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |               |               |               |               |
| 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 <sup>N07</sup>                       | 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    | %     | 105           | 89            | 86            | 91            |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 88            | 97            | 76            | 77            |
| <b>Organochlorine Pesticides</b>                            |      |       |               |               |               |               |
| 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        | -             | -             |

| Client Sample ID                    |      |       | BR-SS5        | BR-SS6        | DUP1          | WA-SS1        |
|-------------------------------------|------|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                       |      |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                 |      |       | S23-JI0012215 | S23-JI0012216 | S23-JI0012217 | S23-JI0012220 |
| Date Sampled                        |      |       | Jul 03, 2023  | Jul 03, 2023  | Jul 03, 2023  | Jul 04, 2023  |
| Test/Reference                      | LOR  | Unit  |               |               |               |               |
| <b>Organochlorine Pesticides</b>    |      |       |               |               |               |               |
| Endosulfan sulphate                 | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Endrin                              | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Endrin aldehyde                     | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Endrin ketone                       | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| g-HCH (Lindane)                     | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Heptachlor                          | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Heptachlor epoxide                  | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Hexachlorobenzene                   | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Methoxychlor                        | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Toxaphene                           | 0.5  | mg/kg | -             | < 0.5         | -             | -             |
| Aldrin and Dieldrin (Total)*        | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| DDT + DDE + DDD (Total)*            | 0.05 | mg/kg | -             | < 0.05        | -             | -             |
| Vic EPA IWRG 621 OCP (Total)*       | 0.1  | mg/kg | -             | < 0.1         | -             | -             |
| Vic EPA IWRG 621 Other OCP (Total)* | 0.1  | mg/kg | -             | < 0.1         | -             | -             |
| Dibutylchloroendate (surr.)         | 1    | %     | -             | 118           | -             | -             |
| Tetrachloro-m-xylene (surr.)        | 1    | %     | -             | 95            | -             | -             |
| <b>Organophosphorus Pesticides</b>  |      |       |               |               |               |               |
| Azinphos-methyl                     | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Bolstar                             | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Chlorfenvinphos                     | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Chlorpyrifos                        | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Chlorpyrifos-methyl                 | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Coumaphos                           | 2    | mg/kg | -             | < 2           | -             | -             |
| Demeton-S                           | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Demeton-O                           | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Diazinon                            | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Dichlorvos                          | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Dimethoate                          | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Disulfoton                          | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| EPN                                 | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Ethion                              | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Ethoprop                            | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Ethyl parathion                     | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Fenitrothion                        | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Fensulfothion                       | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Fenthion                            | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Malathion                           | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Merphos                             | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Methyl parathion                    | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Mevinphos                           | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Monocrotophos                       | 2    | mg/kg | -             | < 2           | -             | -             |
| Naled                               | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Omethoate                           | 2    | mg/kg | -             | < 2           | -             | -             |
| Phorate                             | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Pirimiphos-methyl                   | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Pyrazophos                          | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Ronnel                              | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Terbufos                            | 0.2  | mg/kg | -             | < 0.2         | -             | -             |
| Tetrachlorvinphos                   | 0.2  | mg/kg | -             | < 0.2         | -             | -             |

| Client Sample ID                                    |     |          | BR-SS5        | BR-SS6        | DUP1          | WA-SS1        |
|-----------------------------------------------------|-----|----------|---------------|---------------|---------------|---------------|
| Sample Matrix                                       |     |          | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                                 |     |          | S23-JI0012215 | S23-JI0012216 | S23-JI0012217 | S23-JI0012220 |
| Date Sampled                                        |     |          | Jul 03, 2023  | Jul 03, 2023  | Jul 03, 2023  | Jul 04, 2023  |
| Test/Reference                                      | LOR | Unit     |               |               |               |               |
| <b>Organophosphorus Pesticides</b>                  |     |          |               |               |               |               |
| Tokuthion                                           | 0.2 | mg/kg    | -             | < 0.2         | -             | -             |
| Trichloronate                                       | 0.2 | mg/kg    | -             | < 0.2         | -             | -             |
| Triphenylphosphate (surr.)                          | 1   | %        | -             | 96            | -             | -             |
|                                                     |     |          |               |               |               |               |
| Conductivity (1:5 aqueous extract at 25 °C as rec.) | 10  | uS/cm    | -             | < 10          | -             | -             |
| Total Organic Carbon                                | 0.1 | %        | -             | 1.0           | -             | -             |
| <b>Heavy Metals</b>                                 |     |          |               |               |               |               |
| Arsenic                                             | 2   | mg/kg    | 3.2           | < 2           | < 2           | < 2           |
| Cadmium                                             | 0.4 | mg/kg    | < 0.4         | < 0.4         | < 0.4         | < 0.4         |
| Chromium                                            | 5   | mg/kg    | 7.1           | < 5           | < 5           | 6.3           |
| Copper                                              | 5   | mg/kg    | 7.2           | < 5           | < 5           | 11            |
| Iron                                                | 20  | mg/kg    | -             | 5100          | -             | -             |
| Lead                                                | 5   | mg/kg    | 15            | 5.4           | < 5           | 45            |
| 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    | 29            | 31            | 9.3           | 150           |
| <b>Cation Exchange Capacity</b>                     |     |          |               |               |               |               |
| Cation Exchange Capacity*                           | 0.5 | meq/100g | -             | 3.0           | -             | -             |
| <b>Sample Properties</b>                            |     |          |               |               |               |               |
| % Moisture                                          | 1   | %        | 15            | 9.8           | 8.3           | 15            |

| Client Sample ID                                  |     |       | WA-SS2        | WA-SS3        | WA-SS4        | WA-SS5        |
|---------------------------------------------------|-----|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                                     |     |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                               |     |       | S23-JI0012221 | S23-JI0012222 | S23-JI0012223 | S23-JI0012224 |
| Date Sampled                                      |     |       | Jul 04, 2023  | Jul 04, 2023  | Jul 04, 2023  | Jul 04, 2023  |
| Test/Reference                                    | LOR | Unit  |               |               |               |               |
| <b>Total Recoverable Hydrocarbons</b>             |     |       |               |               |               |               |
| 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) <sup>N04</sup>          | 20  | mg/kg | < 20          | < 20          | < 20          | < 20          |
| TRH >C10-C16                                      | 50  | mg/kg | < 50          | < 50          | < 50          | < 50          |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup> | 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         |
| <b>BTEX</b>                                       |     |       |               |               |               |               |
| 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   | %     | 85            | 72            | 76            | 79            |

|                                                             |     |       |                      |                      |                      |                      |
|-------------------------------------------------------------|-----|-------|----------------------|----------------------|----------------------|----------------------|
| <b>Client Sample ID</b>                                     |     |       | <b>WA-SS2</b>        | <b>WA-SS3</b>        | <b>WA-SS4</b>        | <b>WA-SS5</b>        |
| <b>Sample Matrix</b>                                        |     |       | <b>Soil</b>          | <b>Soil</b>          | <b>Soil</b>          | <b>Soil</b>          |
| <b>Eurofins Sample No.</b>                                  |     |       | <b>S23-JI0012221</b> | <b>S23-JI0012222</b> | <b>S23-JI0012223</b> | <b>S23-JI0012224</b> |
| <b>Date Sampled</b>                                         |     |       | <b>Jul 04, 2023</b>  | <b>Jul 04, 2023</b>  | <b>Jul 04, 2023</b>  | <b>Jul 04, 2023</b>  |
| <b>Test/Reference</b>                                       | LOR | Unit  |                      |                      |                      |                      |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                      |                      |                      |                      |
| Naphthalene <sup>NO2</sup>                                  | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                      |                      |                      |                      |
| 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 <sup>NO7</sup>                       | 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   | %     | 104                  | 106                  | 94                   | 91                   |
| p-Terphenyl-d14 (surr.)                                     | 1   | %     | 77                   | 81                   | 82                   | 105                  |
| <b>Heavy Metals</b>                                         |     |       |                      |                      |                      |                      |
| Arsenic                                                     | 2   | mg/kg | 2.5                  | 11                   | 4.4                  | < 2                  |
| Cadmium                                                     | 0.4 | mg/kg | 0.5                  | < 0.4                | < 0.4                | < 0.4                |
| Chromium                                                    | 5   | mg/kg | 18                   | 15                   | 23                   | < 5                  |
| Copper                                                      | 5   | mg/kg | 26                   | 29                   | 37                   | 5.3                  |
| Lead                                                        | 5   | mg/kg | 670                  | 49                   | 130                  | 14                   |
| Mercury                                                     | 0.1 | mg/kg | 0.4                  | < 0.1                | 0.1                  | < 0.1                |
| Nickel                                                      | 5   | mg/kg | 9.0                  | < 5                  | 13                   | < 5                  |
| Zinc                                                        | 5   | mg/kg | 410                  | 89                   | 150                  | 26                   |
| <b>Sample Properties</b>                                    |     |       |                      |                      |                      |                      |
| % Moisture                                                  | 1   | %     | 20                   | 13                   | 16                   | 24                   |

|                                       |     |       |                      |                      |                      |                      |
|---------------------------------------|-----|-------|----------------------|----------------------|----------------------|----------------------|
| <b>Client Sample ID</b>               |     |       | <b>DUP2</b>          | <b>DUP3</b>          | <b>BROAD E-BH2</b>   | <b>BROAD E-BH2</b>   |
| <b>Sample Matrix</b>                  |     |       | <b>Soil</b>          | <b>Soil</b>          | <b>0.1-0.5</b>       | <b>0.5-1.0</b>       |
| <b>Eurofins Sample No.</b>            |     |       | <b>S23-JI0012225</b> | <b>S23-JI0012226</b> | <b>S23-JI0012229</b> | <b>S23-JI0012230</b> |
| <b>Date Sampled</b>                   |     |       | <b>Jul 04, 2023</b>  | <b>Jul 04, 2023</b>  | <b>Jul 03, 2023</b>  | <b>Jul 03, 2023</b>  |
| <b>Test/Reference</b>                 | LOR | Unit  |                      |                      |                      |                      |
| <b>Total Recoverable Hydrocarbons</b> |     |       |                      |                      |                      |                      |
| 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                 | 57                   | < 50                 | < 50                 |
| TRH C10-C36 (Total)                   | 50  | mg/kg | < 50                 | 57                   | < 50                 | < 50                 |

| Client Sample ID                                            |     |       | DUP2          | DUP3          | BROAD E-BH2   | BROAD E-BH2   |
|-------------------------------------------------------------|-----|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                                               |     |       | Soil          | Soil          | 0.1-0.5       | 0.5-1.0       |
| Eurofins Sample No.                                         |     |       | S23-JI0012225 | S23-JI0012226 | S23-JI0012229 | S23-JI0012230 |
| Date Sampled                                                |     |       | Jul 04, 2023  | Jul 04, 2023  | Jul 03, 2023  | Jul 03, 2023  |
| Test/Reference                                              | LOR | Unit  |               |               |               |               |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |               |               |               |               |
| TRH C6-C10                                                  | 20  | mg/kg | < 20          | < 20          | < 20          | < 20          |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20  | mg/kg | < 20          | < 20          | < 20          | < 20          |
| TRH >C10-C16                                                | 50  | mg/kg | < 50          | < 50          | < 50          | < 50          |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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         |
| <b>BTEX</b>                                                 |     |       |               |               |               |               |
| 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   | %     | 76            | 72            | 91            | 73            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |               |               |               |               |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5         | < 0.5         | < 0.5         | < 0.5         |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |               |               |               |               |
| 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 <sup>N07</sup>                       | 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   | %     | 79            | 90            | 86            | 82            |
| p-Terphenyl-d14 (surr.)                                     | 1   | %     | 81            | 104           | 94            | 95            |
| <b>Heavy Metals</b>                                         |     |       |               |               |               |               |
| Arsenic                                                     | 2   | mg/kg | < 2           | 2.2           | < 2           | < 2           |
| Cadmium                                                     | 0.4 | mg/kg | < 0.4         | < 0.4         | < 0.4         | < 0.4         |
| Chromium                                                    | 5   | mg/kg | 14            | < 5           | < 5           | 34            |
| Copper                                                      | 5   | mg/kg | 14            | 7.2           | < 5           | 18            |
| Lead                                                        | 5   | mg/kg | 170           | 14            | 8.8           | 10            |
| Mercury                                                     | 0.1 | mg/kg | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Nickel                                                      | 5   | mg/kg | 7.1           | < 5           | < 5           | 17            |
| Zinc                                                        | 5   | mg/kg | 93            | 44            | 22            | 49            |

|                            |     |      |                      |                      |                      |                      |
|----------------------------|-----|------|----------------------|----------------------|----------------------|----------------------|
| <b>Client Sample ID</b>    |     |      | <b>DUP2</b>          | <b>DUP3</b>          | <b>BROAD E-BH2</b>   | <b>BROAD E-BH2</b>   |
| <b>Sample Matrix</b>       |     |      | <b>Soil</b>          | <b>Soil</b>          | <b>0.1-0.5</b>       | <b>0.5-1.0</b>       |
| <b>Eurofins Sample No.</b> |     |      | <b>S23-JI0012225</b> | <b>S23-JI0012226</b> | <b>S23-JI0012229</b> | <b>S23-JI0012230</b> |
| <b>Date Sampled</b>        |     |      | <b>Jul 04, 2023</b>  | <b>Jul 04, 2023</b>  | <b>Jul 03, 2023</b>  | <b>Jul 03, 2023</b>  |
| Test/Reference             | LOR | Unit |                      |                      |                      |                      |
| <b>Sample Properties</b>   |     |      |                      |                      |                      |                      |
| % Moisture                 | 1   | %    | 22                   | 17                   | 8.2                  | 28                   |

|                                                             |     |       |                      |                      |                      |                      |
|-------------------------------------------------------------|-----|-------|----------------------|----------------------|----------------------|----------------------|
| <b>Client Sample ID</b>                                     |     |       | <b>EM-SS1</b>        | <b>EM-SS3</b>        | <b>EM-SS4</b>        | <b>EM-SS5</b>        |
| <b>Sample Matrix</b>                                        |     |       | <b>Soil</b>          | <b>Soil</b>          | <b>Soil</b>          | <b>Soil</b>          |
| <b>Eurofins Sample No.</b>                                  |     |       | <b>S23-JI0012231</b> | <b>S23-JI0012232</b> | <b>S23-JI0012233</b> | <b>S23-JI0012234</b> |
| <b>Date Sampled</b>                                         |     |       | <b>Jul 04, 2023</b>  | <b>Jul 04, 2023</b>  | <b>Jul 04, 2023</b>  | <b>Jul 04, 2023</b>  |
| Test/Reference                                              | LOR | Unit  |                      |                      |                      |                      |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |                      |                      |                      |                      |
| 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) <sup>N04</sup>                    | 20  | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH >C10-C16                                                | 50  | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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                |
| <b>BTEX</b>                                                 |     |       |                      |                      |                      |                      |
| 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   | %     | 83                   | 85                   | 79                   | 83                   |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                      |                      |                      |                      |
| 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 <sup>N07</sup>                       | 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                |

| Client Sample ID                        |     |       | EM-SS1        | EM-SS3        | EM-SS4        | EM-SS5        |
|-----------------------------------------|-----|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                           |     |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                     |     |       | S23-JI0012231 | S23-JI0012232 | S23-JI0012233 | S23-JI0012234 |
| Date Sampled                            |     |       | Jul 04, 2023  | Jul 04, 2023  | Jul 04, 2023  | Jul 04, 2023  |
| Test/Reference                          | LOR | Unit  |               |               |               |               |
| <b>Polycyclic Aromatic Hydrocarbons</b> |     |       |               |               |               |               |
| 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   | %     | 84            | 85            | 74            | 81            |
| p-Terphenyl-d14 (surr.)                 | 1   | %     | 92            | 94            | 66            | 97            |
| <b>Heavy Metals</b>                     |     |       |               |               |               |               |
| Arsenic                                 | 2   | mg/kg | 3.6           | < 2           | 6.7           | < 2           |
| Cadmium                                 | 0.4 | mg/kg | < 0.4         | < 0.4         | < 0.4         | < 0.4         |
| Chromium                                | 5   | mg/kg | < 5           | < 5           | 6.7           | < 5           |
| Copper                                  | 5   | mg/kg | 12            | < 5           | 5.6           | < 5           |
| Lead                                    | 5   | mg/kg | 14            | 17            | 16            | 14            |
| Mercury                                 | 0.1 | mg/kg | 0.1           | < 0.1         | < 0.1         | < 0.1         |
| Nickel                                  | 5   | mg/kg | 6.2           | < 5           | < 5           | < 5           |
| Zinc                                    | 5   | mg/kg | 65            | 24            | 44            | 59            |
| <b>Sample Properties</b>                |     |       |               |               |               |               |
| % Moisture                              | 1   | %     | 11            | 7.8           | 18            | 15            |

| Client Sample ID                                            |     |       | BL-SS1        | BL-SS2        | BL-SS3        | BL-SS4        |
|-------------------------------------------------------------|-----|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                                               |     |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                                         |     |       | S23-JI0012235 | S23-JI0012236 | S23-JI0012237 | S23-JI0012238 |
| Date Sampled                                                |     |       | Jul 04, 2023  | Jul 04, 2023  | Jul 04, 2023  | Jul 04, 2023  |
| Test/Reference                                              | LOR | Unit  |               |               |               |               |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |               |               |               |               |
| 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) <sup>N04</sup>                    | 20  | mg/kg | < 20          | < 20          | < 20          | < 20          |
| TRH >C10-C16                                                | 50  | mg/kg | < 50          | < 50          | < 50          | < 50          |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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         |
| <b>BTEX</b>                                                 |     |       |               |               |               |               |
| 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   | %     | 82            | INT           | 71            | 86            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |               |               |               |               |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5         | < 0.5         | < 0.5         | < 0.5         |

| Client Sample ID                        |     |       | BL-SS1        | BL-SS2        | BL-SS3        | BL-SS4        |
|-----------------------------------------|-----|-------|---------------|---------------|---------------|---------------|
| Sample Matrix                           |     |       | Soil          | Soil          | Soil          | Soil          |
| Eurofins Sample No.                     |     |       | S23-JI0012235 | S23-JI0012236 | S23-JI0012237 | S23-JI0012238 |
| Date Sampled                            |     |       | Jul 04, 2023  | Jul 04, 2023  | Jul 04, 2023  | Jul 04, 2023  |
| Test/Reference                          | LOR | Unit  |               |               |               |               |
| <b>Polycyclic Aromatic Hydrocarbons</b> |     |       |               |               |               |               |
| 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 <sup>N07</sup>   | 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   | %     | 86            | 94            | 86            | 89            |
| p-Terphenyl-d14 (surr.)                 | 1   | %     | 94            | 95            | 94            | 95            |
| <b>Heavy Metals</b>                     |     |       |               |               |               |               |
| Arsenic                                 | 2   | mg/kg | < 2           | < 2           | < 2           | 2.1           |
| Cadmium                                 | 0.4 | mg/kg | < 0.4         | < 0.4         | < 0.4         | 0.4           |
| Chromium                                | 5   | mg/kg | 29            | 33            | 9.0           | 52            |
| Copper                                  | 5   | mg/kg | 20            | 17            | < 5           | 72            |
| Lead                                    | 5   | mg/kg | 41            | 25            | < 5           | 310           |
| Mercury                                 | 0.1 | mg/kg | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Nickel                                  | 5   | mg/kg | 22            | 18            | < 5           | 23            |
| Zinc                                    | 5   | mg/kg | 86            | 110           | 43            | 340           |
| <b>Sample Properties</b>                |     |       |               |               |               |               |
| % Moisture                              | 1   | %     | 23            | 23            | 11            | 23            |

| Client Sample ID                         |     |       | WA-C BH1 0-0.1 | WA-C BH1 0.1-0.3 | WA-C BH1 1.0-1.25 | WA-C BH2 0-0.1 |
|------------------------------------------|-----|-------|----------------|------------------|-------------------|----------------|
| Sample Matrix                            |     |       | Soil           | Soil             | Soil              | Soil           |
| Eurofins Sample No.                      |     |       | S23-JI0012239  | S23-JI0012240    | S23-JI0012242     | S23-JI0012243  |
| Date Sampled                             |     |       | Jul 04, 2023   | Jul 04, 2023     | Jul 04, 2023      | Jul 04, 2023   |
| Test/Reference                           | LOR | Unit  |                |                  |                   |                |
| <b>Total Recoverable Hydrocarbons</b>    |     |       |                |                  |                   |                |
| 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) <sup>N04</sup> | 20  | mg/kg | < 20           | < 20             | < 20              | < 20           |

| Client Sample ID                                            |     |       | WA-C BH1 0-0.1 | WA-C BH1 0.1-0.3 | WA-C BH1 1.0-1.25 | WA-C BH2 0-0.1 |
|-------------------------------------------------------------|-----|-------|----------------|------------------|-------------------|----------------|
| Sample Matrix                                               |     |       | Soil           | Soil             | Soil              | Soil           |
| Eurofins Sample No.                                         |     |       | S23-JI0012239  | S23-JI0012240    | S23-JI0012242     | S23-JI0012243  |
| Date Sampled                                                |     |       | Jul 04, 2023   | Jul 04, 2023     | Jul 04, 2023      | Jul 04, 2023   |
| Test/Reference                                              | LOR | Unit  |                |                  |                   |                |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |                |                  |                   |                |
| TRH >C10-C16                                                | 50  | mg/kg | < 50           | < 50             | < 50              | < 50           |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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          |
| <b>BTEX</b>                                                 |     |       |                |                  |                   |                |
| 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   | %     | 52             | 72               | 86                | 87             |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                |                  |                   |                |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5          | < 0.5            | < 0.5             | < 0.5          |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                |                  |                   |                |
| 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 <sup>N07</sup>                       | 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   | %     | 107            | 99               | 91                | 110            |
| p-Terphenyl-d14 (surr.)                                     | 1   | %     | 90             | 97               | 97                | 92             |
| <b>Heavy Metals</b>                                         |     |       |                |                  |                   |                |
| 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 | 14             | 28               | 12                | 8.5            |
| Copper                                                      | 5   | mg/kg | 53             | 15               | < 5               | 7.4            |
| Lead                                                        | 5   | mg/kg | 87             | 33               | < 5               | 16             |
| Mercury                                                     | 0.1 | mg/kg | < 0.1          | < 0.1            | < 0.1             | < 0.1          |
| Nickel                                                      | 5   | mg/kg | 7.6            | 13               | < 5               | < 5            |
| Zinc                                                        | 5   | mg/kg | 88             | 59               | 16                | 39             |
| <b>Sample Properties</b>                                    |     |       |                |                  |                   |                |
| % Moisture                                                  | 1   | %     | 27             | 24               | 10                | 17             |

|                                         |            |             |                       |                         |                          |                       |
|-----------------------------------------|------------|-------------|-----------------------|-------------------------|--------------------------|-----------------------|
| <b>Client Sample ID</b>                 |            |             | <b>WA-C BH1 0-0.1</b> | <b>WA-C BH1 0.1-0.3</b> | <b>WA-C BH1 1.0-1.25</b> | <b>WA-C BH2 0-0.1</b> |
| <b>Sample Matrix</b>                    |            |             | <b>Soil</b>           | <b>Soil</b>             | <b>Soil</b>              | <b>Soil</b>           |
| <b>Eurofins Sample No.</b>              |            |             | <b>S23-JI0012239</b>  | <b>S23-JI0012240</b>    | <b>S23-JI0012242</b>     | <b>S23-JI0012243</b>  |
| <b>Date Sampled</b>                     |            |             | <b>Jul 04, 2023</b>   | <b>Jul 04, 2023</b>     | <b>Jul 04, 2023</b>      | <b>Jul 04, 2023</b>   |
| <b>Test/Reference</b>                   | <b>LOR</b> | <b>Unit</b> |                       |                         |                          |                       |
| <b>Acid Sulfate Soils Field pH Test</b> |            |             |                       |                         |                          |                       |
| pH-F (Field pH test)*                   | 0.1        | pH Units    | -                     | -                       | 5.7                      | -                     |
| pH-FOX (Field pH Peroxide test)*        | 0.1        | pH Units    | -                     | -                       | 3.9                      | -                     |
| Reaction Ratings <sup>S05</sup>         | 0          | -           | -                     | -                       | 1.0                      | -                     |

|                                                             |            |             |                         |                         |                         |                         |
|-------------------------------------------------------------|------------|-------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Client Sample ID</b>                                     |            |             | <b>WA-C BH2 0.1-0.3</b> | <b>WA-C BH2 1.5-1.9</b> | <b>WA-E BH1 0.1-0.5</b> | <b>WA-E BH1 1.0-1.5</b> |
| <b>Sample Matrix</b>                                        |            |             | <b>Soil</b>             | <b>Soil</b>             | <b>Soil</b>             | <b>Soil</b>             |
| <b>Eurofins Sample No.</b>                                  |            |             | <b>S23-JI0012244</b>    | <b>S23-JI0012245</b>    | <b>S23-JI0012246</b>    | <b>S23-JI0012247</b>    |
| <b>Date Sampled</b>                                         |            |             | <b>Jul 04, 2023</b>     | <b>Jul 04, 2023</b>     | <b>Jul 04, 2023</b>     | <b>Jul 04, 2023</b>     |
| <b>Test/Reference</b>                                       | <b>LOR</b> | <b>Unit</b> |                         |                         |                         |                         |
| <b>Total Recoverable Hydrocarbons</b>                       |            |             |                         |                         |                         |                         |
| 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) <sup>N04</sup>                    | 20         | mg/kg       | < 20                    | -                       | < 20                    | < 20                    |
| TRH >C10-C16                                                | 50         | mg/kg       | < 50                    | -                       | < 50                    | < 50                    |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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                   |
| <b>BTEX</b>                                                 |            |             |                         |                         |                         |                         |
| 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          | %           | 61                      | -                       | 76                      | 77                      |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |            |             |                         |                         |                         |                         |
| Naphthalene <sup>N02</sup>                                  | 0.5        | mg/kg       | < 0.5                   | -                       | < 0.5                   | < 0.5                   |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |            |             |                         |                         |                         |                         |
| 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 <sup>N07</sup>                       | 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                   |

| Client Sample ID                        |      |       | WA-C BH2 0.1-0.3 | WA-C BH2 1.5-1.9 | WA-E BH1 0.1-0.5 | WA-E BH1 1.0-1.5 |
|-----------------------------------------|------|-------|------------------|------------------|------------------|------------------|
| Sample Matrix                           |      |       | Soil             | Soil             | Soil             | Soil             |
| Eurofins Sample No.                     |      |       | S23-JI0012244    | S23-JI0012245    | S23-JI0012246    | S23-JI0012247    |
| Date Sampled                            |      |       | Jul 04, 2023     | Jul 04, 2023     | Jul 04, 2023     | Jul 04, 2023     |
| Test/Reference                          | LOR  | Unit  |                  |                  |                  |                  |
| <b>Polycyclic Aromatic Hydrocarbons</b> |      |       |                  |                  |                  |                  |
| 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    | %     | 95               | -                | 110              | 108              |
| p-Terphenyl-d14 (surr.)                 | 1    | %     | 116              | -                | 100              | 97               |
| <b>Organochlorine Pesticides</b>        |      |       |                  |                  |                  |                  |
| 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           | -                | -                | -                |
| α-HCH                                   | 0.05 | mg/kg | < 0.05           | -                | -                | -                |
| Aldrin                                  | 0.05 | mg/kg | < 0.05           | -                | -                | -                |
| β-HCH                                   | 0.05 | mg/kg | < 0.05           | -                | -                | -                |
| δ-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           | -                | -                | -                |
| γ-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            | -                | -                | -                |
| Dibutylchlorodate (surr.)               | 1    | %     | 133              | -                | -                | -                |
| Tetrachloro-m-xylene (surr.)            | 1    | %     | 104              | -                | -                | -                |
| <b>Organophosphorus Pesticides</b>      |      |       |                  |                  |                  |                  |
| Azinphos-methyl                         | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Bolstar                                 | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Chlorfenvinphos                         | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Chlorpyrifos                            | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Chlorpyrifos-methyl                     | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Coumaphos                               | 2    | mg/kg | < 2              | -                | -                | -                |
| Demeton-S                               | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Demeton-O                               | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Diazinon                                | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Dichlorvos                              | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Dimethoate                              | 0.2  | mg/kg | < 0.2            | -                | -                | -                |
| Disulfoton                              | 0.2  | mg/kg | < 0.2            | -                | -                | -                |

| Client Sample ID                                    |     |          | WA-C BH2 0.1-0.3 | WA-C BH2 1.5-1.9 | WA-E BH1 0.1-0.5 | WA-E BH1 1.0-1.5 |
|-----------------------------------------------------|-----|----------|------------------|------------------|------------------|------------------|
| Sample Matrix                                       |     |          | Soil             | Soil             | Soil             | Soil             |
| Eurofins Sample No.                                 |     |          | S23-JI0012244    | S23-JI0012245    | S23-JI0012246    | S23-JI0012247    |
| Date Sampled                                        |     |          | Jul 04, 2023     | Jul 04, 2023     | Jul 04, 2023     | Jul 04, 2023     |
| Test/Reference                                      | LOR | Unit     |                  |                  |                  |                  |
| <b>Organophosphorus Pesticides</b>                  |     |          |                  |                  |                  |                  |
| EPN                                                 | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Ethion                                              | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Ethoprop                                            | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Ethyl parathion                                     | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Fenitrothion                                        | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Fensulfothion                                       | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Fenthion                                            | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Malathion                                           | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Merphos                                             | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Methyl parathion                                    | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Mevinphos                                           | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Monocrotophos                                       | 2   | mg/kg    | < 2              | -                | -                | -                |
| Naled                                               | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Omethoate                                           | 2   | mg/kg    | < 2              | -                | -                | -                |
| Phorate                                             | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Pirimiphos-methyl                                   | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Pyrazophos                                          | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Ronnel                                              | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Terbufos                                            | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Tetrachlorvinphos                                   | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Tokuthion                                           | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Trichloronate                                       | 0.2 | mg/kg    | < 0.2            | -                | -                | -                |
| Triphenylphosphate (surr.)                          | 1   | %        | 104              | -                | -                | -                |
|                                                     |     |          |                  |                  |                  |                  |
| Conductivity (1:5 aqueous extract at 25 °C as rec.) | 10  | uS/cm    | < 10             | -                | -                | -                |
| Total Organic Carbon                                | 0.1 | %        | 1.1              | -                | -                | -                |
| <b>Heavy Metals</b>                                 |     |          |                  |                  |                  |                  |
| Arsenic                                             | 2   | mg/kg    | < 2              | -                | 3.1              | < 2              |
| Cadmium                                             | 0.4 | mg/kg    | < 0.4            | -                | < 0.4            | < 0.4            |
| Chromium                                            | 5   | mg/kg    | < 5              | -                | 17               | 6.5              |
| Copper                                              | 5   | mg/kg    | 5.5              | -                | 130              | < 5              |
| Iron                                                | 20  | mg/kg    | 5200             | -                | -                | -                |
| Lead                                                | 5   | mg/kg    | 8.4              | -                | 360              | < 5              |
| Mercury                                             | 0.1 | mg/kg    | < 0.1            | -                | < 0.1            | < 0.1            |
| Nickel                                              | 5   | mg/kg    | < 5              | -                | 12               | < 5              |
| Zinc                                                | 5   | mg/kg    | 11               | -                | 150              | 7.0              |
| <b>Cation Exchange Capacity</b>                     |     |          |                  |                  |                  |                  |
| Cation Exchange Capacity*                           | 0.5 | meq/100g | 3.5              | -                | -                | -                |
| <b>Sample Properties</b>                            |     |          |                  |                  |                  |                  |
| % Moisture                                          | 1   | %        | 10               | -                | 17               | 11               |
| <b>Acid Sulfate Soils Field pH Test</b>             |     |          |                  |                  |                  |                  |
| pH-F (Field pH test)*                               | 0.1 | pH Units | -                | 5.6              | -                | 6.1              |
| pH-FOX (Field pH Peroxide test)*                    | 0.1 | pH Units | -                | 4.2              | -                | 4.0              |
| Reaction Ratings* <sup>S05</sup>                    | 0   | -        | -                | 1.0              | -                | 1.0              |

| Client Sample ID                                            |     |       | WA-E BH2 0.1-0.4 | WA-E BH2 0.4-0.8 | WA-E BH2 0.8-1.5 | DUP4          |
|-------------------------------------------------------------|-----|-------|------------------|------------------|------------------|---------------|
| Sample Matrix                                               |     |       | Soil             | Soil             | Soil             | Soil          |
| Eurofins Sample No.                                         |     |       | S23-JI0012248    | S23-JI0012249    | S23-JI0012250    | S23-JI0012251 |
| Date Sampled                                                |     |       | Jul 04, 2023     | Jul 04, 2023     | Jul 04, 2023     | Jul 05, 2023  |
| Test/Reference                                              | LOR | Unit  |                  |                  |                  |               |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |                  |                  |                  |               |
| 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) <sup>N04</sup>                    | 20  | mg/kg | < 20             | < 20             | -                | < 20          |
| TRH >C10-C16                                                | 50  | mg/kg | < 50             | < 50             | -                | < 50          |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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         |
| <b>BTEX</b>                                                 |     |       |                  |                  |                  |               |
| 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   | %     | 77               | 78               | -                | 88            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                  |                  |                  |               |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5            | < 0.5            | -                | < 0.5         |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                  |                  |                  |               |
| 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 <sup>N07</sup>                       | 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   | %     | 89               | 92               | -                | 93            |
| p-Terphenyl-d14 (surr.)                                     | 1   | %     | 92               | 83               | -                | 80            |

|                                         |     |          |                         |                         |                         |                      |
|-----------------------------------------|-----|----------|-------------------------|-------------------------|-------------------------|----------------------|
| <b>Client Sample ID</b>                 |     |          | <b>WA-E BH2 0.1-0.4</b> | <b>WA-E BH2 0.4-0.8</b> | <b>WA-E BH2 0.8-1.5</b> | <b>DUP4</b>          |
| <b>Sample Matrix</b>                    |     |          | <b>Soil</b>             | <b>Soil</b>             | <b>Soil</b>             | <b>Soil</b>          |
| <b>Eurofins Sample No.</b>              |     |          | <b>S23-JI0012248</b>    | <b>S23-JI0012249</b>    | <b>S23-JI0012250</b>    | <b>S23-JI0012251</b> |
| <b>Date Sampled</b>                     |     |          | <b>Jul 04, 2023</b>     | <b>Jul 04, 2023</b>     | <b>Jul 04, 2023</b>     | <b>Jul 05, 2023</b>  |
| Test/Reference                          | LOR | Unit     |                         |                         |                         |                      |
| <b>Heavy Metals</b>                     |     |          |                         |                         |                         |                      |
| Arsenic                                 | 2   | mg/kg    | < 2                     | < 2                     | -                       | 4.0                  |
| Cadmium                                 | 0.4 | mg/kg    | < 0.4                   | < 0.4                   | -                       | < 0.4                |
| Chromium                                | 5   | mg/kg    | 9.3                     | 22                      | -                       | < 5                  |
| Copper                                  | 5   | mg/kg    | 8.0                     | 7.5                     | -                       | 16                   |
| Lead                                    | 5   | mg/kg    | 14                      | 5.8                     | -                       | 8.1                  |
| Mercury                                 | 0.1 | mg/kg    | < 0.1                   | < 0.1                   | -                       | < 0.1                |
| Nickel                                  | 5   | mg/kg    | 5.7                     | 9.8                     | -                       | 6.1                  |
| Zinc                                    | 5   | mg/kg    | 27                      | 26                      | -                       | 66                   |
| <b>Sample Properties</b>                |     |          |                         |                         |                         |                      |
| % Moisture                              | 1   | %        | 13                      | 15                      | -                       | 6.3                  |
| <b>Acid Sulfate Soils Field pH Test</b> |     |          |                         |                         |                         |                      |
| pH-F (Field pH test)*                   | 0.1 | pH Units | -                       | -                       | 6.5                     | -                    |
| pH-FOX (Field pH Peroxide test)*        | 0.1 | pH Units | -                       | -                       | 4.3                     | -                    |
| Reaction Ratings* <sup>S05</sup>        | 0   | -        | -                       | -                       | 1.0                     | -                    |

|                                                             |     |       |                       |                         |                         |
|-------------------------------------------------------------|-----|-------|-----------------------|-------------------------|-------------------------|
| <b>Client Sample ID</b>                                     |     |       | <b>EM-C BH1 0-0.1</b> | <b>EM-C BH1 0.3-0.8</b> | <b>EMC BH1 1.25-1.5</b> |
| <b>Sample Matrix</b>                                        |     |       | <b>Soil</b>           | <b>Soil</b>             | <b>Soil</b>             |
| <b>Eurofins Sample No.</b>                                  |     |       | <b>S23-JI0012252</b>  | <b>S23-JI0012253</b>    | <b>S23-JI0012256</b>    |
| <b>Date Sampled</b>                                         |     |       | <b>Jul 05, 2023</b>   | <b>Jul 05, 2023</b>     | <b>Jul 05, 2023</b>     |
| Test/Reference                                              | LOR | Unit  |                       |                         |                         |
| <b>Total Recoverable Hydrocarbons</b>                       |     |       |                       |                         |                         |
| 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) <sup>N04</sup>                    | 20  | mg/kg | < 20                  | < 20                    | -                       |
| TRH >C10-C16                                                | 50  | mg/kg | < 50                  | < 50                    | -                       |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 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                   | -                       |
| <b>BTEX</b>                                                 |     |       |                       |                         |                         |
| 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   | %     | 54                    | 76                      | -                       |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                       |                         |                         |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5                 | < 0.5                   | -                       |

| Client Sample ID                        |      |       | EM-C BH1 0-0.1 | EM-C BH1 0.3-0.8 | EMC BH1 1.25-1.5 |
|-----------------------------------------|------|-------|----------------|------------------|------------------|
| Sample Matrix                           |      |       | Soil           | Soil             | Soil             |
| Eurofins Sample No.                     |      |       | S23-JI0012252  | S23-JI0012253    | S23-JI0012256    |
| Date Sampled                            |      |       | Jul 05, 2023   | Jul 05, 2023     | Jul 05, 2023     |
| Test/Reference                          | LOR  | Unit  |                |                  |                  |
| <b>Polycyclic Aromatic Hydrocarbons</b> |      |       |                |                  |                  |
| 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 <sup>N07</sup>   | 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    | %     | 83             | 92               | -                |
| p-Terphenyl-d14 (surr.)                 | 1    | %     | INT            | 81               | -                |
| <b>Organochlorine Pesticides</b>        |      |       |                |                  |                  |
| 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         | -                | -                |
| α-HCH                                   | 0.05 | mg/kg | < 0.05         | -                | -                |
| Aldrin                                  | 0.05 | mg/kg | < 0.05         | -                | -                |
| β-HCH                                   | 0.05 | mg/kg | < 0.05         | -                | -                |
| δ-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         | -                | -                |
| γ-HCH (Lindane)                         | 0.05 | mg/kg | < 0.05         | -                | -                |
| Heptachlor                              | 0.05 | mg/kg | < 0.05         | -                | -                |
| Heptachlor epoxide                      | 0.05 | mg/kg | < 0.05         | -                | -                |
| Hexachlorobenzene                       | 0.05 | mg/kg | < 0.05         | -                | -                |
| Methoxychlor                            | 0.05 | mg/kg | < 0.05         | -                | -                |
| Toxaphene                               | 0.5  | mg/kg | < 0.5          | -                | -                |
| Aldrin and Dieldrin (Total)*            | 0.05 | mg/kg | < 0.05         | -                | -                |
| DDT + DDE + DDD (Total)*                | 0.05 | mg/kg | < 0.05         | -                | -                |
| Vic EPA IWRG 621 OCP (Total)*           | 0.1  | mg/kg | < 0.1          | -                | -                |
| Vic EPA IWRG 621 Other OCP (Total)*     | 0.1  | mg/kg | < 0.1          | -                | -                |
| Dibutylchloroendate (surr.)             | 1    | %     | 78             | -                | -                |
| Tetrachloro-m-xylene (surr.)            | 1    | %     | 55             | -                | -                |

|                                                     |            |             |                       |                         |                         |
|-----------------------------------------------------|------------|-------------|-----------------------|-------------------------|-------------------------|
| <b>Client Sample ID</b>                             |            |             | <b>EM-C BH1 0-0.1</b> | <b>EM-C BH1 0.3-0.8</b> | <b>EMC BH1 1.25-1.5</b> |
| <b>Sample Matrix</b>                                |            |             | <b>Soil</b>           | <b>Soil</b>             | <b>Soil</b>             |
| <b>Eurofins Sample No.</b>                          |            |             | <b>S23-JI0012252</b>  | <b>S23-JI0012253</b>    | <b>S23-JI0012256</b>    |
| <b>Date Sampled</b>                                 |            |             | <b>Jul 05, 2023</b>   | <b>Jul 05, 2023</b>     | <b>Jul 05, 2023</b>     |
| <b>Test/Reference</b>                               | <b>LOR</b> | <b>Unit</b> |                       |                         |                         |
| <b>Organophosphorus Pesticides</b>                  |            |             |                       |                         |                         |
| Azinphos-methyl                                     | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Bolstar                                             | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Chlorfenvinphos                                     | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Chlorpyrifos                                        | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Chlorpyrifos-methyl                                 | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Coumaphos                                           | 2          | mg/kg       | < 2                   | -                       | -                       |
| Demeton-S                                           | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Demeton-O                                           | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Diazinon                                            | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Dichlorvos                                          | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Dimethoate                                          | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Disulfoton                                          | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| EPN                                                 | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Ethion                                              | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Ethoprop                                            | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Ethyl parathion                                     | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Fenitrothion                                        | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Fensulfothion                                       | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Fenthion                                            | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Malathion                                           | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Merphos                                             | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Methyl parathion                                    | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Mevinphos                                           | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Monocrotophos                                       | 2          | mg/kg       | < 2                   | -                       | -                       |
| Naled                                               | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Omethoate                                           | 2          | mg/kg       | < 2                   | -                       | -                       |
| Phorate                                             | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Pirimiphos-methyl                                   | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Pyrazophos                                          | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Ronnel                                              | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Terbufos                                            | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Tetrachlorvinphos                                   | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Tokuthion                                           | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Trichloronate                                       | 0.2        | mg/kg       | < 0.2                 | -                       | -                       |
| Triphenylphosphate (surr.)                          | 1          | %           | INT                   | -                       | -                       |
|                                                     |            |             |                       |                         |                         |
| Conductivity (1:5 aqueous extract at 25 °C as rec.) | 10         | uS/cm       | 10                    | -                       | -                       |
| Total Organic Carbon                                | 0.1        | %           | < 0.1                 | -                       | -                       |
| <b>Heavy Metals</b>                                 |            |             |                       |                         |                         |
| Arsenic                                             | 2          | mg/kg       | 4.5                   | 2.2                     | -                       |
| Cadmium                                             | 0.4        | mg/kg       | < 0.4                 | < 0.4                   | -                       |
| Chromium                                            | 5          | mg/kg       | < 5                   | 38                      | -                       |
| Copper                                              | 5          | mg/kg       | 18                    | 10                      | -                       |
| Iron                                                | 20         | mg/kg       | 26000                 | -                       | -                       |
| Lead                                                | 5          | mg/kg       | 7.4                   | 9.1                     | -                       |
| Mercury                                             | 0.1        | mg/kg       | < 0.1                 | < 0.1                   | -                       |
| Nickel                                              | 5          | mg/kg       | 5.2                   | 18                      | -                       |
| Zinc                                                | 5          | mg/kg       | 77                    | 57                      | -                       |
| <b>Cation Exchange Capacity</b>                     |            |             |                       |                         |                         |
| Cation Exchange Capacity*                           | 0.5        | meq/100g    | 9.2                   | -                       | -                       |

|                                         |     |          |                       |                         |                         |
|-----------------------------------------|-----|----------|-----------------------|-------------------------|-------------------------|
| <b>Client Sample ID</b>                 |     |          | <b>EM-C BH1 0-0.1</b> | <b>EM-C BH1 0.3-0.8</b> | <b>EMC BH1 1.25-1.5</b> |
| <b>Sample Matrix</b>                    |     |          | <b>Soil</b>           | <b>Soil</b>             | <b>Soil</b>             |
| <b>Eurofins Sample No.</b>              |     |          | <b>S23-JI0012252</b>  | <b>S23-JI0012253</b>    | <b>S23-JI0012256</b>    |
| <b>Date Sampled</b>                     |     |          | <b>Jul 05, 2023</b>   | <b>Jul 05, 2023</b>     | <b>Jul 05, 2023</b>     |
| Test/Reference                          | LOR | Unit     |                       |                         |                         |
| <b>Sample Properties</b>                |     |          |                       |                         |                         |
| % Moisture                              | 1   | %        | 6.3                   | 23                      | -                       |
| <b>Acid Sulfate Soils Field pH Test</b> |     |          |                       |                         |                         |
| pH-F (Field pH test)*                   | 0.1 | pH Units | -                     | -                       | 7.2                     |
| pH-FOX (Field pH Peroxide test)*        | 0.1 | pH Units | -                     | -                       | 6.1                     |
| Reaction Ratings* <sup>S05</sup>        | 0   | -        | -                     | -                       | 1.0                     |

## 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 |
|--------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions<br>- Method: LTM-ORG-2010 TRH C6-C40                                      | Sydney       | Jul 13, 2023 | 14 Days      |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions<br>- Method: LTM-ORG-2010 TRH C6-C40                                      | Sydney       | Jul 13, 2023 | 14 Days      |
| BTEX<br>- Method: LTM-ORG-2010 BTEX and Volatile TRH                                                                           | Sydney       | Jul 13, 2023 | 14 Days      |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions<br>- Method: LTM-ORG-2010 TRH C6-C40                                      | Sydney       | Jul 13, 2023 | 14 Days      |
| Polycyclic Aromatic Hydrocarbons<br>- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water                                   | Sydney       | Jul 17, 2023 | 14 Days      |
| Metals M8<br>- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS                                              | Sydney       | Jul 13, 2023 | 28 Days      |
| Organochlorine Pesticides<br>- Method: LTM-ORG-2220 OCP & PCB in Soil and Water                                                | Sydney       | Jul 13, 2023 | 14 Days      |
| Organophosphorus Pesticides<br>- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS                                     | Sydney       | Jul 13, 2023 | 14 Days      |
| Conductivity (1:5 aqueous extract at 25 °C as rec.)<br>- Method: LTM-INO-4030 Conductivity                                     | Sydney       | Jul 13, 2023 | 7 Days       |
| Cation Exchange Capacity<br>- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage          | Melbourne    | Jul 15, 2023 | 28 Days      |
| Total Organic Carbon<br>- Method: LTM-INO-4060 Total Organic Carbon in water and soil                                          | Melbourne    | Jul 15, 2023 | 28 Days      |
| Heavy Metals<br>- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS                                           | Sydney       | Jul 13, 2023 | 28 Days      |
| Acid Sulfate Soils Field pH Test<br>- Method: LTM-GEN-7060 Determination of field pH (pHF) and field pH peroxide (pHFOX) tests | Sydney       | Jul 13, 2023 | 7 Days       |
| % Moisture<br>- Method: LTM-GEN-7080 Moisture                                                                                  | Sydney       | Jul 07, 2023 | 14 Days      |

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NSW 2067

**Project Name:** NORTHERN RIVERS  
**Project ID:** SYDGE319200

**Order No.:**  
**Report #:** 1005684  
**Phone:** +61 2 9406 1000  
**Fax:** +61 2 9406 1002

**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                      |              |               |        |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|----------------------|--------------|---------------|--------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                      |              |               |        |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                      |              |               |        |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| External Laboratory                            |                      |              |               |        |               |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| No                                             | Sample ID            | Sample Date  | Sampling Time | Matrix | LAB ID        |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 1                                              | BROAD C-BH1 0.1-0.5  | Jul 03, 2023 |               | Soil   | S23-JI0012203 |                   |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 2                                              | BROAD C-BH1 0.5-1.0  | Jul 03, 2023 |               | Soil   | S23-JI0012204 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 3                                              | BROAD C-BH1 6.8-7.0  | Jul 03, 2023 |               | Soil   | S23-JI0012205 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 4                                              | BROAD C-BH2 0.1-0.35 | Jul 03, 2023 |               | Soil   | S23-JI0012206 |                   |      | X    | X                    |                                  |                    | X            | X                        | X                 |                        |                        |
| 5                                              | BROAD C-BH2 0.35-0.8 | Jul 03, 2023 |               | Soil   | S23-JI0012207 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 6                                              | BROAD C-BH2 6.8-7.0  | Jul 03, 2023 |               | Soil   | S23-JI0012208 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 7                                              | BROAD E-BH1 0.1-0.4  | Jul 03, 2023 |               | Soil   | S23-JI0012209 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                     |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 8                                              | BROAD E-BH1 0.4-1.0 | Jul 03, 2023 |  | Soil                | S23-JI0012210 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 9                                              | BR-SS1              | Jul 03, 2023 |  | Soil                | S23-JI0012211 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 10                                             | BR-SS2              | Jul 03, 2023 |  | Soil                | S23-JI0012212 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 11                                             | BR-SS3              | Jul 03, 2023 |  | Soil                | S23-JI0012213 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 12                                             | BR-SS4              | Jul 03, 2023 |  | Soil                | S23-JI0012214 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 13                                             | BR-SS5              | Jul 03, 2023 |  | Soil                | S23-JI0012215 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 14                                             | BR-SS6              | Jul 03, 2023 |  | Soil                | S23-JI0012216 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 15                                             | DUP1                | Jul 03, 2023 |  | Soil                | S23-JI0012217 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 16                                             | TS                  | Jul 03, 2023 |  | Trip Spike (liquid) | S23-JI0012218 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 17                                             | TB                  | Jul 03, 2023 |  | Trip Blank (liquid) | S23-JI0012219 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 18                                             | WA-SS1              | Jul 04, 2023 |  | Soil                | S23-JI0012220 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 19                                             | WA-SS2              | Jul 04, 2023 |  | Soil                | S23-JI0012221 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 20                                             | WA-SS3              | Jul 04, 2023 |  | Soil                | S23-JI0012222 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                     |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 21                                             | WA-SS4              | Jul 04, 2023 |  | Soil                | S23-JI0012223 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 22                                             | WA-SS5              | Jul 04, 2023 |  | Soil                | S23-JI0012224 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 23                                             | DUP2                | Jul 04, 2023 |  | Soil                | S23-JI0012225 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 24                                             | DUP3                | Jul 04, 2023 |  | Soil                | S23-JI0012226 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 25                                             | TS                  | Jul 04, 2023 |  | Trip Spike (liquid) | S23-JI0012227 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 26                                             | TB                  | Jul 04, 2023 |  | Trip Blank (liquid) | S23-JI0012228 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 27                                             | BROAD E-BH2 0.1-0.5 | Jul 03, 2023 |  | Soil                | S23-JI0012229 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 28                                             | BROAD E-BH2 0.5-1.0 | Jul 03, 2023 |  | Soil                | S23-JI0012230 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 29                                             | EM-SS1              | Jul 04, 2023 |  | Soil                | S23-JI0012231 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 30                                             | EM-SS3              | Jul 04, 2023 |  | Soil                | S23-JI0012232 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 31                                             | EM-SS4              | Jul 04, 2023 |  | Soil                | S23-JI0012233 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 32                                             | EM-SS5              | Jul 04, 2023 |  | Soil                | S23-JI0012234 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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| Sample Detail                                  |                   |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|-------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                   |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                   |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 33                                             | BL-SS1            | Jul 04, 2023 |  | Soil | S23-JI0012235 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 34                                             | BL-SS2            | Jul 04, 2023 |  | Soil | S23-JI0012236 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 35                                             | BL-SS3            | Jul 04, 2023 |  | Soil | S23-JI0012237 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 36                                             | BL-SS4            | Jul 04, 2023 |  | Soil | S23-JI0012238 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 37                                             | WA-C BH1 0-0.1    | Jul 04, 2023 |  | Soil | S23-JI0012239 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 38                                             | WA-C BH1 0.1-0.3  | Jul 04, 2023 |  | Soil | S23-JI0012240 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 39                                             | WA-C BH1 0.3-0.8  | Jul 04, 2023 |  | Soil | S23-JI0012241 | X                 |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 40                                             | WA-C BH1 1.0-1.25 | Jul 04, 2023 |  | Soil | S23-JI0012242 |                   |      |      |                      | X                                |                    | X            |                          | X                 |                        |                        |
| 41                                             | WA-C BH2 0-0.1    | Jul 04, 2023 |  | Soil | S23-JI0012243 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 42                                             | WA-C BH2 0.1-0.3  | Jul 04, 2023 |  | Soil | S23-JI0012244 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 43                                             | WA-C BH2          | Jul 04, 2023 |  | Soil | S23-JI0012245 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |

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Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                     |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 43                                             | WA-C BH2<br>1.5-1.9 | Jul 04, 2023 |  | Soil | S23-JI0012245 |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 44                                             | WA-E BH1<br>0.1-0.5 | Jul 04, 2023 |  | Soil | S23-JI0012246 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 45                                             | WA-E BH1<br>1.0-1.5 | Jul 04, 2023 |  | Soil | S23-JI0012247 |                   |      |      |                      | X                                |                    | X            |                          | X                 |                        |                        |
| 46                                             | WA-E BH2<br>0.1-0.4 | Jul 04, 2023 |  | Soil | S23-JI0012248 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 47                                             | WA-E BH2<br>0.4-0.8 | Jul 04, 2023 |  | Soil | S23-JI0012249 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 48                                             | WA-E BH2<br>0.8-1.5 | Jul 04, 2023 |  | Soil | S23-JI0012250 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 49                                             | DUP4                | Jul 05, 2023 |  | Soil | S23-JI0012251 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 50                                             | EM-C BH1 0-<br>0.1  | Jul 05, 2023 |  | Soil | S23-JI0012252 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 51                                             | EM-C BH1<br>0.3-0.8 | Jul 05, 2023 |  | Soil | S23-JI0012253 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                   |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|-------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                   |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                   |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 52                                             | TS                | Jul 05, 2023 |  | Trip Spike (liquid) | S23-JI0012254 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 53                                             | TB                | Jul 05, 2023 |  | Trip Blank (liquid) | S23-JI0012255 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 54                                             | EMC BH1 1.25-1.5  | Jul 05, 2023 |  | Soil                | S23-JI0012256 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 55                                             | BROAD C-BH1 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012257 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 56                                             | BROAD C-BH2 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012258 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 57                                             | BROAD E-BH1 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012259 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 58                                             | BROAD E-BH2 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012260 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 59                                             | EM-SS2            | Jul 04, 2023 |  | Soil                | S23-JI0012261 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 60                                             | BL-SS5            | Jul 04, 2023 |  | Soil                | S23-JI0012262 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 61                                             | WA-C BH2          | Jul 04, 2023 |  | Soil                | S23-JI0012263 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |

|                      |                                                                               |                   |                 |                      |                     |
|----------------------|-------------------------------------------------------------------------------|-------------------|-----------------|----------------------|---------------------|
| <b>Company Name:</b> | Tetra Tech Coffey Geotechnics Pty Ltd Chatswood                               | <b>Order No.:</b> |                 | <b>Received:</b>     | Jul 6, 2023 9:30 AM |
| <b>Address:</b>      | Level 18, Tower B, Citadel Tower 799 Pacific Highway<br>Chatswood<br>NSW 2067 | <b>Report #:</b>  | 1005684         | <b>Due:</b>          | Jul 13, 2023        |
|                      |                                                                               | <b>Phone:</b>     | +61 2 9406 1000 | <b>Priority:</b>     | 5 Day               |
|                      |                                                                               | <b>Fax:</b>       | +61 2 9406 1002 | <b>Contact Name:</b> | Kelsie McGillen     |
| <b>Project Name:</b> | NORTHERN RIVERS                                                               |                   |                 |                      |                     |
| <b>Project ID:</b>   | SYDGE319200                                                                   |                   |                 |                      |                     |

**Eurofins Analytical Services Manager : Asim Khan**

| Sample Detail                                  |                  |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                  |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                  |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
|                                                | 0.3-0.8          |              |  |      |               |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 62                                             | WA-E BH1 0-0.1   | Jul 04, 2023 |  | Soil | S23-JI0012264 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 63                                             | WA-E BH1 0.5-1.0 | Jul 04, 2023 |  | Soil | S23-JI0012265 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 64                                             | WA-E BH2 0-0.1   | Jul 04, 2023 |  | Soil | S23-JI0012266 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 65                                             | EM-C BH1 0.1-0.3 | Jul 05, 2023 |  | Soil | S23-JI0012267 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 66                                             | EM-C BH1 0.8-1.5 | Jul 05, 2023 |  | Soil | S23-JI0012268 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| Test Counts                                    |                  |              |  |      |               | 19                | 12   | 5    | 5                    | 7                                | 4                  | 42           | 5                        | 42                | 3                      | 3                      |

## Internal Quality Control Review and Glossary

### General

- 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.
- All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
- All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
- Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
- SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
- 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

|                                                  |                                           |                                                                          |
|--------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------|
| <b>mg/kg:</b> milligrams per kilogram            | <b>mg/L:</b> milligrams per litre         | <b>µg/L:</b> micrograms per litre                                        |
| <b>ppm:</b> parts per million                    | <b>ppb:</b> parts per billion             | <b>%:</b> Percentage                                                     |
| <b>org/100 mL:</b> Organisms per 100 millilitres | <b>NTU:</b> Nephelometric Turbidity Units | <b>MPN/100 mL:</b> Most Probable Number of organisms per 100 millilitres |
| <b>CFU:</b> Colony forming unit                  |                                           |                                                                          |

### Terms

|                         |                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APHA</b>             | American Public Health Association                                                                                                                                                                                                                                                            |
| <b>COC</b>              | Chain of Custody                                                                                                                                                                                                                                                                              |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                                                                                                                                                         |
| <b>CRM</b>              | Certified Reference Material (ISO17034) - reported as percent recovery.                                                                                                                                                                                                                       |
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                                                                                                                                                |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                                                                                                                                              |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                                                                                                                                                           |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery.                                                                                                                                                                                                                                     |
| <b>Method Blank</b>     | 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.                                                                                                                                |
| <b>NCP</b>              | 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.                                                                                                                            |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                                                                                                                                                         |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                                                                                                                                                    |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                                                                                                                                                         |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                                                                                                                                                    |
| <b>TBTO</b>             | Tributyltin oxide ( <i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits. |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                                                                                                                                                    |
| <b>TEQ</b>              | Toxic Equivalency Quotient or Total Equivalence                                                                                                                                                                                                                                               |
| <b>QSM</b>              | US Department of Defense Quality Systems Manual Version 5.4                                                                                                                                                                                                                                   |
| <b>US EPA</b>           | United States Environmental Protection Agency                                                                                                                                                                                                                                                 |
| <b>WA DWER</b>          | 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. SVOCs recoveries 20 – 150%

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

- 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.
- 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.
- 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.
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
- For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
- 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 |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons</b>                       |       |          |  |  |                   |             |                 |
| 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        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>BTEX</b>                                                 |       |          |  |  |                   |             |                 |
| 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        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| Naphthalene                                                 | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |       |          |  |  |                   |             |                 |
| 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        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Organochlorine Pesticides</b>                            |       |          |  |  |                   |             |                 |
| 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        |                 |
| <b>Method Blank</b>                                 |       |          |  |  |                   |             |                 |
| <b>Organophosphorus Pesticides</b>                  |       |          |  |  |                   |             |                 |
| Azinphos-methyl                                     | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Bolstar                                             | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Chlorfenvinphos                                     | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Chlorpyrifos                                        | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Chlorpyrifos-methyl                                 | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Coumaphos                                           | mg/kg | < 2      |  |  | 2                 | Pass        |                 |
| Demeton-S                                           | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Demeton-O                                           | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Diazinon                                            | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Dichlorvos                                          | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Dimethoate                                          | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Disulfoton                                          | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| EPN                                                 | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Ethion                                              | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Ethoprop                                            | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Ethyl parathion                                     | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Fenitrothion                                        | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Fensulfothion                                       | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Fenthion                                            | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Malathion                                           | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Merphos                                             | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Methyl parathion                                    | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Mevinphos                                           | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Monocrotophos                                       | mg/kg | < 2      |  |  | 2                 | Pass        |                 |
| Naled                                               | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Omethoate                                           | mg/kg | < 2      |  |  | 2                 | Pass        |                 |
| Phorate                                             | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Pirimiphos-methyl                                   | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Pyrazophos                                          | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Ronnel                                              | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Terbufos                                            | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Tetrachlorvinphos                                   | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Tokuthion                                           | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Trichloronate                                       | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| <b>Method Blank</b>                                 |       |          |  |  |                   |             |                 |
| Conductivity (1:5 aqueous extract at 25 °C as rec.) | uS/cm | < 10     |  |  | 10                | Pass        |                 |
| Total Organic Carbon                                | %     | < 0.1    |  |  | 0.1               | Pass        |                 |
| <b>Method Blank</b>                                 |       |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                 |       |          |  |  |                   |             |                 |
| Arsenic                                             | mg/kg | < 2      |  |  | 2                 | Pass        |                 |
| Cadmium                                             | mg/kg | < 0.4    |  |  | 0.4               | Pass        |                 |
| Chromium                                            | mg/kg | < 5      |  |  | 5                 | Pass        |                 |

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| 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        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons</b>                       |       |          |  |  |                   |             |                 |
| TRH C6-C9                                                   | %     | 87       |  |  | 70-130            | Pass        |                 |
| TRH C10-C14                                                 | %     | 71       |  |  | 70-130            | Pass        |                 |
| TRH C6-C10                                                  | %     | 87       |  |  | 70-130            | Pass        |                 |
| TRH >C10-C16                                                | %     | 71       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>BTEX</b>                                                 |       |          |  |  |                   |             |                 |
| Benzene                                                     | %     | 95       |  |  | 70-130            | Pass        |                 |
| Toluene                                                     | %     | 94       |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                                                | %     | 95       |  |  | 70-130            | Pass        |                 |
| m&p-Xylenes                                                 | %     | 95       |  |  | 70-130            | Pass        |                 |
| o-Xylene                                                    | %     | 93       |  |  | 70-130            | Pass        |                 |
| Xylenes - Total*                                            | %     | 95       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| Naphthalene                                                 | %     | 85       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |       |          |  |  |                   |             |                 |
| Acenaphthene                                                | %     | 78       |  |  | 70-130            | Pass        |                 |
| Acenaphthylene                                              | %     | 80       |  |  | 70-130            | Pass        |                 |
| Anthracene                                                  | %     | 86       |  |  | 70-130            | Pass        |                 |
| Benz(a)anthracene                                           | %     | 97       |  |  | 70-130            | Pass        |                 |
| Benzo(a)pyrene                                              | %     | 74       |  |  | 70-130            | Pass        |                 |
| Benzo(b&j)fluoranthene                                      | %     | 105      |  |  | 70-130            | Pass        |                 |
| Benzo(g,h,i)perylene                                        | %     | 72       |  |  | 70-130            | Pass        |                 |
| Benzo(k)fluoranthene                                        | %     | 86       |  |  | 70-130            | Pass        |                 |
| Chrysene                                                    | %     | 77       |  |  | 70-130            | Pass        |                 |
| Dibenz(a,h)anthracene                                       | %     | 100      |  |  | 70-130            | Pass        |                 |
| Fluoranthene                                                | %     | 76       |  |  | 70-130            | Pass        |                 |
| Fluorene                                                    | %     | 81       |  |  | 70-130            | Pass        |                 |
| Indeno(1,2,3-cd)pyrene                                      | %     | 96       |  |  | 70-130            | Pass        |                 |
| Naphthalene                                                 | %     | 83       |  |  | 70-130            | Pass        |                 |
| Phenanthrene                                                | %     | 77       |  |  | 70-130            | Pass        |                 |
| Pyrene                                                      | %     | 78       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Organochlorine Pesticides</b>                            |       |          |  |  |                   |             |                 |
| Chlordanes - Total                                          | %     | 103      |  |  | 70-130            | Pass        |                 |
| 4,4'-DDD                                                    | %     | 105      |  |  | 70-130            | Pass        |                 |
| 4,4'-DDE                                                    | %     | 105      |  |  | 70-130            | Pass        |                 |
| 4,4'-DDT                                                    | %     | 79       |  |  | 70-130            | Pass        |                 |
| a-HCH                                                       | %     | 103      |  |  | 70-130            | Pass        |                 |
| Aldrin                                                      | %     | 109      |  |  | 70-130            | Pass        |                 |
| b-HCH                                                       | %     | 93       |  |  | 70-130            | Pass        |                 |
| d-HCH                                                       | %     | 99       |  |  | 70-130            | Pass        |                 |
| Dieldrin                                                    | %     | 96       |  |  | 70-130            | Pass        |                 |
| Endosulfan I                                                | %     | 102      |  |  | 70-130            | Pass        |                 |
| Endosulfan II                                               | %     | 120      |  |  | 70-130            | Pass        |                 |

| Test                                                 |               |           |       | Units    | Result 1 |  |                   | Acceptance Limits | Pass Limits     | Qualifying Code |
|------------------------------------------------------|---------------|-----------|-------|----------|----------|--|-------------------|-------------------|-----------------|-----------------|
| Endosulfan sulphate                                  |               |           |       | %        | 101      |  |                   | 70-130            | Pass            |                 |
| Endrin                                               |               |           |       | %        | 84       |  |                   | 70-130            | Pass            |                 |
| Endrin aldehyde                                      |               |           |       | %        | 111      |  |                   | 70-130            | Pass            |                 |
| Endrin ketone                                        |               |           |       | %        | 103      |  |                   | 70-130            | Pass            |                 |
| g-HCH (Lindane)                                      |               |           |       | %        | 108      |  |                   | 70-130            | Pass            |                 |
| Heptachlor                                           |               |           |       | %        | 96       |  |                   | 70-130            | Pass            |                 |
| Heptachlor epoxide                                   |               |           |       | %        | 96       |  |                   | 70-130            | Pass            |                 |
| Hexachlorobenzene                                    |               |           |       | %        | 103      |  |                   | 70-130            | Pass            |                 |
| Methoxychlor                                         |               |           |       | %        | 77       |  |                   | 70-130            | Pass            |                 |
| LCS - % Recovery                                     |               |           |       |          |          |  |                   |                   |                 |                 |
| Organophosphorus Pesticides                          |               |           |       |          |          |  |                   |                   |                 |                 |
| Diazinon                                             |               |           |       | %        | 96       |  |                   | 70-130            | Pass            |                 |
| Dimethoate                                           |               |           |       | %        | 97       |  |                   | 70-130            | Pass            |                 |
| Ethion                                               |               |           |       | %        | 87       |  |                   | 70-130            | Pass            |                 |
| Fenitrothion                                         |               |           |       | %        | 78       |  |                   | 70-130            | Pass            |                 |
| Methyl parathion                                     |               |           |       | %        | 79       |  |                   | 70-130            | Pass            |                 |
| Mevinphos                                            |               |           |       | %        | 77       |  |                   | 70-130            | Pass            |                 |
| LCS - % Recovery                                     |               |           |       |          |          |  |                   |                   |                 |                 |
| Conductivity (1:5 aqueous extract at 25 °C as rec.)  |               |           |       | %        | 96       |  |                   | 70-130            | Pass            |                 |
| LCS - % Recovery                                     |               |           |       |          |          |  |                   |                   |                 |                 |
| Heavy Metals                                         |               |           |       |          |          |  |                   |                   |                 |                 |
| Arsenic                                              |               |           |       | %        | 100      |  |                   | 80-120            | Pass            |                 |
| Cadmium                                              |               |           |       | %        | 104      |  |                   | 80-120            | Pass            |                 |
| Chromium                                             |               |           |       | %        | 104      |  |                   | 80-120            | Pass            |                 |
| Copper                                               |               |           |       | %        | 105      |  |                   | 80-120            | Pass            |                 |
| Iron                                                 |               |           |       | %        | 106      |  |                   | 80-120            | Pass            |                 |
| Lead                                                 |               |           |       | %        | 104      |  |                   | 80-120            | Pass            |                 |
| Mercury                                              |               |           |       | %        | 102      |  |                   | 80-120            | Pass            |                 |
| Nickel                                               |               |           |       | %        | 104      |  |                   | 80-120            | Pass            |                 |
| Zinc                                                 |               |           |       | %        | 105      |  |                   | 80-120            | Pass            |                 |
| Test                                                 | Lab Sample ID | QA Source | Units | Result 1 |          |  | Acceptance Limits | Pass Limits       | Qualifying Code |                 |
| Spike - % Recovery                                   |               |           |       |          |          |  |                   |                   |                 |                 |
| Total Recoverable Hydrocarbons                       |               |           |       |          | Result 1 |  |                   |                   |                 |                 |
| TRH C10-C14                                          | S23-JI0020913 | NCP       | %     | 84       |          |  | 70-130            | Pass              |                 |                 |
| TRH >C10-C16                                         | S23-JI0020913 | NCP       | %     | 80       |          |  | 70-130            | Pass              |                 |                 |
| Spike - % Recovery                                   |               |           |       |          |          |  |                   |                   |                 |                 |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |               |           |       |          | Result 1 |  |                   |                   |                 |                 |
| Naphthalene                                          | S23-JI0018194 | NCP       | %     | 84       |          |  | 70-130            | Pass              |                 |                 |
| Spike - % Recovery                                   |               |           |       |          |          |  |                   |                   |                 |                 |
| Organochlorine Pesticides                            |               |           |       |          | Result 1 |  |                   |                   |                 |                 |
| Chlordanes - Total                                   | S23-JI0020073 | NCP       | %     | 92       |          |  | 70-130            | Pass              |                 |                 |
| 4,4'-DDD                                             | S23-JI0020073 | NCP       | %     | 101      |          |  | 70-130            | Pass              |                 |                 |
| 4,4'-DDE                                             | S23-JI0020073 | NCP       | %     | 90       |          |  | 70-130            | Pass              |                 |                 |
| 4,4'-DDT                                             | S23-JI0020073 | NCP       | %     | 73       |          |  | 70-130            | Pass              |                 |                 |
| a-HCH                                                | S23-JI0020073 | NCP       | %     | 91       |          |  | 70-130            | Pass              |                 |                 |
| Aldrin                                               | S23-JI0020073 | NCP       | %     | 91       |          |  | 70-130            | Pass              |                 |                 |
| b-HCH                                                | S23-JI0020073 | NCP       | %     | 80       |          |  | 70-130            | Pass              |                 |                 |
| d-HCH                                                | S23-JI0020073 | NCP       | %     | 84       |          |  | 70-130            | Pass              |                 |                 |
| Dieldrin                                             | S23-JI0020073 | NCP       | %     | 88       |          |  | 70-130            | Pass              |                 |                 |
| Endosulfan I                                         | S23-JI0020073 | NCP       | %     | 93       |          |  | 70-130            | Pass              |                 |                 |
| Endosulfan II                                        | S23-JI0020073 | NCP       | %     | 110      |          |  | 70-130            | Pass              |                 |                 |
| Endosulfan sulphate                                  | S23-JI0020073 | NCP       | %     | 89       |          |  | 70-130            | Pass              |                 |                 |
| Endrin                                               | S23-JI0020073 | NCP       | %     | 81       |          |  | 70-130            | Pass              |                 |                 |
| Endrin aldehyde                                      | S23-JI0020073 | NCP       | %     | 91       |          |  | 70-130            | Pass              |                 |                 |

| Test                                  | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
|---------------------------------------|---------------|-----------|-------|----------|----------|-----|-------------------|-------------|-----------------|
| Endrin ketone                         | S23-JI0020073 | NCP       | %     | 93       |          |     | 70-130            | Pass        |                 |
| g-HCH (Lindane)                       | S23-JI0020073 | NCP       | %     | 96       |          |     | 70-130            | Pass        |                 |
| Heptachlor                            | S23-JI0020073 | NCP       | %     | 86       |          |     | 70-130            | Pass        |                 |
| Heptachlor epoxide                    | S23-JI0020073 | NCP       | %     | 87       |          |     | 70-130            | Pass        |                 |
| Hexachlorobenzene                     | S23-JI0020073 | NCP       | %     | 88       |          |     | 70-130            | Pass        |                 |
| Methoxychlor                          | S23-JI0020073 | NCP       | %     | 73       |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>             |               |           |       |          |          |     |                   |             |                 |
| <b>Organophosphorus Pesticides</b>    |               |           |       | Result 1 |          |     |                   |             |                 |
| Dimethoate                            | S23-JI0004748 | NCP       | %     | 84       |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>             |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                   |               |           |       | Result 1 |          |     |                   |             |                 |
| Arsenic                               | S23-JI0012204 | CP        | %     | 86       |          |     | 75-125            | Pass        |                 |
| Cadmium                               | S23-JI0012204 | CP        | %     | 106      |          |     | 75-125            | Pass        |                 |
| Chromium                              | S23-JI0012204 | CP        | %     | 99       |          |     | 75-125            | Pass        |                 |
| Copper                                | S23-JI0012204 | CP        | %     | 101      |          |     | 75-125            | Pass        |                 |
| Lead                                  | S23-JI0012204 | CP        | %     | 99       |          |     | 75-125            | Pass        |                 |
| Mercury                               | S23-JI0012204 | CP        | %     | 102      |          |     | 75-125            | Pass        |                 |
| Nickel                                | S23-JI0012204 | CP        | %     | 102      |          |     | 75-125            | Pass        |                 |
| Zinc                                  | S23-JI0012204 | CP        | %     | 99       |          |     | 75-125            | Pass        |                 |
| <b>Spike - % Recovery</b>             |               |           |       |          |          |     |                   |             |                 |
| <b>Total Recoverable Hydrocarbons</b> |               |           |       | Result 1 |          |     |                   |             |                 |
| TRH C6-C9                             | S23-JI0012216 | CP        | %     | 76       |          |     | 70-130            | Pass        |                 |
| TRH C6-C10                            | S23-JI0012216 | CP        | %     | 73       |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>             |               |           |       |          |          |     |                   |             |                 |
| <b>BTEX</b>                           |               |           |       | Result 1 |          |     |                   |             |                 |
| Benzene                               | S23-JI0012216 | CP        | %     | 79       |          |     | 70-130            | Pass        |                 |
| Toluene                               | S23-JI0012216 | CP        | %     | 77       |          |     | 70-130            | Pass        |                 |
| Ethylbenzene                          | S23-JI0012216 | CP        | %     | 82       |          |     | 70-130            | Pass        |                 |
| m&p-Xylenes                           | S23-JI0012216 | CP        | %     | 79       |          |     | 70-130            | Pass        |                 |
| o-Xylene                              | S23-JI0012216 | CP        | %     | 78       |          |     | 70-130            | Pass        |                 |
| Xylenes - Total*                      | S23-JI0012216 | CP        | %     | 79       |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>             |               |           |       |          |          |     |                   |             |                 |
| <b>Organophosphorus Pesticides</b>    |               |           |       | Result 1 |          |     |                   |             |                 |
| Diazinon                              | S23-JI0012216 | CP        | %     | 115      |          |     | 70-130            | Pass        |                 |
| Ethion                                | S23-JI0012216 | CP        | %     | 114      |          |     | 70-130            | Pass        |                 |
| Fenitrothion                          | S23-JI0012216 | CP        | %     | 78       |          |     | 70-130            | Pass        |                 |
| Methyl parathion                      | S23-JI0012216 | CP        | %     | 75       |          |     | 70-130            | Pass        |                 |
| Mevinphos                             | S23-JI0012216 | CP        | %     | 89       |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>             |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                   |               |           |       | Result 1 |          |     |                   |             |                 |
| Iron                                  | S23-JI0012252 | CP        | %     | 102      |          |     | 75-125            | Pass        |                 |
| <b>Spike - % Recovery</b>             |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                   |               |           |       | Result 1 |          |     |                   |             |                 |
| Cadmium                               | S23-JI0012253 | CP        | %     | 80       |          |     | 75-125            | Pass        |                 |
| Copper                                | S23-JI0012253 | CP        | %     | 79       |          |     | 75-125            | Pass        |                 |
| Lead                                  | S23-JI0012253 | CP        | %     | 79       |          |     | 75-125            | Pass        |                 |
| Mercury                               | S23-JI0012253 | CP        | %     | 92       |          |     | 75-125            | Pass        |                 |
| Nickel                                | S23-JI0012253 | CP        | %     | 75       |          |     | 75-125            | Pass        |                 |
| Zinc                                  | S23-JI0012253 | CP        | %     | 79       |          |     | 75-125            | Pass        |                 |
| Test                                  | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Duplicate</b>                      |               |           |       |          |          |     |                   |             |                 |
| <b>Total Recoverable Hydrocarbons</b> |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| TRH C6-C9                             | S23-JI0012203 | CP        | mg/kg | < 20     | < 20     | <1  | 30%               | Pass        |                 |
| TRH C6-C10                            | S23-JI0012203 | CP        | mg/kg | < 20     | < 20     | <1  | 30%               | Pass        |                 |

| Duplicate                                            |               |     |       |          |          |     |     |      |
|------------------------------------------------------|---------------|-----|-------|----------|----------|-----|-----|------|
| BTX                                                  |               |     |       | Result 1 | Result 2 | RPD |     |      |
| Benzene                                              | S23-JI0012203 | CP  | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Toluene                                              | S23-JI0012203 | CP  | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Ethylbenzene                                         | S23-JI0012203 | CP  | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| m&p-Xylenes                                          | S23-JI0012203 | CP  | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| o-Xylene                                             | S23-JI0012203 | CP  | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Xylenes - Total*                                     | S23-JI0012203 | CP  | mg/kg | < 0.3    | < 0.3    | <1  | 30% | Pass |
| Duplicate                                            |               |     |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |               |     |       | Result 1 | Result 2 | RPD |     |      |
| Naphthalene                                          | S23-JI0012203 | CP  | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Duplicate                                            |               |     |       |          |          |     |     |      |
| Organochlorine Pesticides                            |               |     |       | Result 1 | Result 2 | RPD |     |      |
| Chlordanes - Total                                   | S23-JI0019458 | NCP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| 4,4'-DDD                                             | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| 4,4'-DDE                                             | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| 4,4'-DDT                                             | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| a-HCH                                                | S23-JI0015023 | NCP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Aldrin                                               | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| b-HCH                                                | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| d-HCH                                                | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Dieldrin                                             | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endosulfan I                                         | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endosulfan II                                        | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endosulfan sulphate                                  | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endrin                                               | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endrin aldehyde                                      | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endrin ketone                                        | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| g-HCH (Lindane)                                      | S23-JI0015023 | NCP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Heptachlor                                           | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Heptachlor epoxide                                   | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Hexachlorobenzene                                    | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Methoxychlor                                         | S23-JI0019458 | NCP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Toxaphene                                            | S23-JI0019458 | NCP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Duplicate                                            |               |     |       |          |          |     |     |      |
| Organophosphorus Pesticides                          |               |     |       | Result 1 | Result 2 | RPD |     |      |
| Azinphos-methyl                                      | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Bolstar                                              | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Chlorfenvinphos                                      | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Chlorpyrifos                                         | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Chlorpyrifos-methyl                                  | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Coumaphos                                            | S23-JI0019458 | NCP | mg/kg | < 2      | < 2      | <1  | 30% | Pass |
| Demeton-S                                            | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Demeton-O                                            | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Diazinon                                             | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Dichlorvos                                           | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Dimethoate                                           | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Disulfoton                                           | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| EPN                                                  | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Ethion                                               | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Ethoprop                                             | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Ethyl parathion                                      | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Fenitrothion                                         | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Fensulfthion                                         | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Fenthion                                             | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Malathion                                            | S23-JI0019458 | NCP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |

| Duplicate                                           |               |     |          |          |          |      |     |          |
|-----------------------------------------------------|---------------|-----|----------|----------|----------|------|-----|----------|
| Organophosphorus Pesticides                         |               |     |          | Result 1 | Result 2 | RPD  |     |          |
| Merphos                                             | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Methyl parathion                                    | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Mevinphos                                           | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Monocrotophos                                       | S23-JI0019458 | NCP | mg/kg    | < 2      | < 2      | <1   | 30% | Pass     |
| Naled                                               | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Omethoate                                           | S23-JI0019458 | NCP | mg/kg    | < 2      | < 2      | <1   | 30% | Pass     |
| Phorate                                             | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Pirimiphos-methyl                                   | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Pyrazophos                                          | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Ronnel                                              | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Terbufos                                            | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Tetrachlorvinphos                                   | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Tokuthion                                           | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Trichloronate                                       | S23-JI0019458 | NCP | mg/kg    | < 0.2    | < 0.2    | <1   | 30% | Pass     |
| Duplicate                                           |               |     |          |          |          |      |     |          |
|                                                     |               |     |          | Result 1 | Result 2 | RPD  |     |          |
| Conductivity (1:5 aqueous extract at 25 °C as rec.) | S23-JI0016844 | NCP | uS/cm    | 11       | 12       | 12   | 30% | Pass     |
| Total Organic Carbon                                | S23-JI0012203 | CP  | %        | 0.5      | 0.5      | 3.5  | 30% | Pass     |
| Duplicate                                           |               |     |          |          |          |      |     |          |
| Heavy Metals                                        |               |     |          | Result 1 | Result 2 | RPD  |     |          |
| Arsenic                                             | S23-JI0012203 | CP  | mg/kg    | < 2      | < 2      | <1   | 30% | Pass     |
| Cadmium                                             | S23-JI0012203 | CP  | mg/kg    | < 0.4    | < 0.4    | <1   | 30% | Pass     |
| Chromium                                            | S23-JI0012203 | CP  | mg/kg    | < 5      | < 5      | <1   | 30% | Pass     |
| Copper                                              | S23-JI0012203 | CP  | mg/kg    | < 5      | < 5      | <1   | 30% | Pass     |
| Lead                                                | S23-JI0012203 | CP  | mg/kg    | 10       | 9.1      | 9.5  | 30% | Pass     |
| Mercury                                             | S23-JI0012203 | CP  | mg/kg    | < 0.1    | < 0.1    | <1   | 30% | Pass     |
| Nickel                                              | S23-JI0012203 | CP  | mg/kg    | < 5      | < 5      | <1   | 30% | Pass     |
| Zinc                                                | S23-JI0012203 | CP  | mg/kg    | 15       | 20       | 27   | 30% | Pass     |
| Duplicate                                           |               |     |          |          |          |      |     |          |
| Acid Sulfate Soils Field pH Test                    |               |     |          | Result 1 | Result 2 | RPD  |     |          |
| pH-F (Field pH test)*                               | W23-JI0006932 | NCP | pH Units | 6.5      | 6.4      | pass | 20% | Pass     |
| pH-FOX (Field pH Peroxide test)*                    | W23-JI0006932 | NCP | pH Units | 3.2      | 3.2      | pass | 0%  | Pass     |
| Duplicate                                           |               |     |          |          |          |      |     |          |
| Heavy Metals                                        |               |     |          | Result 1 | Result 2 | RPD  |     |          |
| Arsenic                                             | S23-JI0012214 | CP  | mg/kg    | < 2      | < 2      | <1   | 30% | Pass     |
| Cadmium                                             | S23-JI0012214 | CP  | mg/kg    | < 0.4    | < 0.4    | <1   | 30% | Pass     |
| Chromium                                            | S23-JI0012214 | CP  | mg/kg    | 30       | 27       | 10   | 30% | Pass     |
| Copper                                              | S23-JI0012214 | CP  | mg/kg    | 14       | 22       | 43   | 30% | Fail Q15 |
| Iron                                                | S23-JI0012214 | CP  | mg/kg    | 18000    | 26000    | 36   | 30% | Fail Q02 |
| Lead                                                | S23-JI0012214 | CP  | mg/kg    | 27       | 39       | 34   | 30% | Fail Q15 |
| Mercury                                             | S23-JI0012214 | CP  | mg/kg    | < 0.1    | < 0.1    | <1   | 30% | Pass     |
| Nickel                                              | S23-JI0012214 | CP  | mg/kg    | 9.1      | 13       | 36   | 30% | Fail Q15 |
| Zinc                                                | S23-JI0012214 | CP  | mg/kg    | 48       | 66       | 30   | 30% | Pass     |
| Duplicate                                           |               |     |          |          |          |      |     |          |
| Total Recoverable Hydrocarbons                      |               |     |          | Result 1 | Result 2 | RPD  |     |          |
| TRH C6-C9                                           | S23-JI0012215 | CP  | mg/kg    | < 20     | < 20     | <1   | 30% | Pass     |
| TRH C10-C14                                         | S23-JI0012215 | CP  | mg/kg    | < 20     | < 20     | <1   | 30% | Pass     |
| TRH C15-C28                                         | S23-JI0012215 | CP  | mg/kg    | < 50     | < 50     | <1   | 30% | Pass     |
| TRH C29-C36                                         | S23-JI0012215 | CP  | mg/kg    | < 50     | < 50     | <1   | 30% | Pass     |
| TRH C6-C10                                          | S23-JI0012215 | CP  | mg/kg    | < 20     | < 20     | <1   | 30% | Pass     |
| TRH >C10-C16                                        | S23-JI0012215 | CP  | mg/kg    | < 50     | < 50     | <1   | 30% | Pass     |
| TRH >C16-C34                                        | S23-JI0012215 | CP  | mg/kg    | < 100    | < 100    | <1   | 30% | Pass     |
| TRH >C34-C40                                        | S23-JI0012215 | CP  | mg/kg    | < 100    | < 100    | <1   | 30% | Pass     |

| Duplicate                                            |               |    |       |          |          |     |     |          |
|------------------------------------------------------|---------------|----|-------|----------|----------|-----|-----|----------|
| BTX                                                  |               |    |       | Result 1 | Result 2 | RPD |     |          |
| Benzene                                              | S23-JI0012215 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| Toluene                                              | S23-JI0012215 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| Ethylbenzene                                         | S23-JI0012215 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| m&p-Xylenes                                          | S23-JI0012215 | CP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass     |
| o-Xylene                                             | S23-JI0012215 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| Xylenes - Total*                                     | S23-JI0012215 | CP | mg/kg | < 0.3    | < 0.3    | <1  | 30% | Pass     |
| Duplicate                                            |               |    |       |          |          |     |     |          |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |               |    |       | Result 1 | Result 2 | RPD |     |          |
| Naphthalene                                          | S23-JI0012215 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass     |
| Duplicate                                            |               |    |       |          |          |     |     |          |
| Heavy Metals                                         |               |    |       | Result 1 | Result 2 | RPD |     |          |
| Arsenic                                              | S23-JI0012215 | CP | mg/kg | 3.2      | < 2      | 53  | 30% | Fail Q15 |
| Cadmium                                              | S23-JI0012215 | CP | mg/kg | < 0.4    | < 0.4    | <1  | 30% | Pass     |
| Chromium                                             | S23-JI0012215 | CP | mg/kg | 7.1      | 5.8      | 20  | 30% | Pass     |
| Copper                                               | S23-JI0012215 | CP | mg/kg | 7.2      | 6.5      | 10  | 30% | Pass     |
| Lead                                                 | S23-JI0012215 | CP | mg/kg | 15       | 12       | 21  | 30% | Pass     |
| Mercury                                              | S23-JI0012215 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| Nickel                                               | S23-JI0012215 | CP | mg/kg | < 5      | < 5      | <1  | 30% | Pass     |
| Zinc                                                 | S23-JI0012215 | CP | mg/kg | 29       | 24       | 18  | 30% | Pass     |
| Duplicate                                            |               |    |       |          |          |     |     |          |
| Sample Properties                                    |               |    |       | Result 1 | Result 2 | RPD |     |          |
| % Moisture                                           | S23-JI0012215 | CP | %     | 15       | 15       | <1  | 30% | Pass     |
| Duplicate                                            |               |    |       |          |          |     |     |          |
| Total Recoverable Hydrocarbons                       |               |    |       | Result 1 | Result 2 | RPD |     |          |
| TRH C6-C9                                            | S23-JI0012229 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass     |
| TRH C10-C14                                          | S23-JI0012229 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass     |
| TRH C15-C28                                          | S23-JI0012229 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass     |
| TRH C29-C36                                          | S23-JI0012229 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass     |
| TRH C6-C10                                           | S23-JI0012229 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass     |
| TRH >C10-C16                                         | S23-JI0012229 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass     |
| TRH >C16-C34                                         | S23-JI0012229 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass     |
| TRH >C34-C40                                         | S23-JI0012229 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass     |
| Duplicate                                            |               |    |       |          |          |     |     |          |
| BTX                                                  |               |    |       | Result 1 | Result 2 | RPD |     |          |
| Benzene                                              | S23-JI0012229 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| Toluene                                              | S23-JI0012229 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| Ethylbenzene                                         | S23-JI0012229 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| m&p-Xylenes                                          | S23-JI0012229 | CP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass     |
| o-Xylene                                             | S23-JI0012229 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| Xylenes - Total*                                     | S23-JI0012229 | CP | mg/kg | < 0.3    | < 0.3    | <1  | 30% | Pass     |
| Duplicate                                            |               |    |       |          |          |     |     |          |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |               |    |       | Result 1 | Result 2 | RPD |     |          |
| Naphthalene                                          | S23-JI0012229 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass     |
| Duplicate                                            |               |    |       |          |          |     |     |          |
| Heavy Metals                                         |               |    |       | Result 1 | Result 2 | RPD |     |          |
| Arsenic                                              | S23-JI0012229 | CP | mg/kg | < 2      | < 2      | <1  | 30% | Pass     |
| Cadmium                                              | S23-JI0012229 | CP | mg/kg | < 0.4    | < 0.4    | <1  | 30% | Pass     |
| Chromium                                             | S23-JI0012229 | CP | mg/kg | < 5      | < 5      | <1  | 30% | Pass     |
| Copper                                               | S23-JI0012229 | CP | mg/kg | < 5      | < 5      | <1  | 30% | Pass     |
| Iron                                                 | S23-JI0012229 | CP | mg/kg | 2200     | 1700     | 23  | 30% | Pass     |
| Lead                                                 | S23-JI0012229 | CP | mg/kg | 8.8      | 7.2      | 19  | 30% | Pass     |
| Mercury                                              | S23-JI0012229 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass     |
| Nickel                                               | S23-JI0012229 | CP | mg/kg | < 5      | < 5      | <1  | 30% | Pass     |
| Zinc                                                 | S23-JI0012229 | CP | mg/kg | 22       | 19       | 16  | 30% | Pass     |

| Duplicate                      |               |    |       |          |          |     |     |      |
|--------------------------------|---------------|----|-------|----------|----------|-----|-----|------|
| Sample Properties              |               |    |       | Result 1 | Result 2 | RPD |     |      |
| % Moisture                     | S23-JI0012229 | CP | %     | 8.2      | 11       | 26  | 30% | Pass |
| Duplicate                      |               |    |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons |               |    |       | Result 1 | Result 2 | RPD |     |      |
| TRH C10-C14                    | S23-JI0012239 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass |
| TRH C15-C28                    | S23-JI0012239 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH C29-C36                    | S23-JI0012239 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH >C10-C16                   | S23-JI0012239 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH >C16-C34                   | S23-JI0012239 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass |
| TRH >C34-C40                   | S23-JI0012239 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass |
| Duplicate                      |               |    |       |          |          |     |     |      |
| Heavy Metals                   |               |    |       | Result 1 | Result 2 | RPD |     |      |
| Arsenic                        | S23-JI0012239 | CP | mg/kg | < 2      | < 2      | <1  | 30% | Pass |
| Cadmium                        | S23-JI0012239 | CP | mg/kg | < 0.4    | < 0.4    | <1  | 30% | Pass |
| Chromium                       | S23-JI0012239 | CP | mg/kg | 14       | 14       | 3.6 | 30% | Pass |
| Copper                         | S23-JI0012239 | CP | mg/kg | 53       | 46       | 13  | 30% | Pass |
| Iron                           | S23-JI0012239 | CP | mg/kg | 14000    | 14000    | 2.4 | 30% | Pass |
| Lead                           | S23-JI0012239 | CP | mg/kg | 87       | 95       | 8.7 | 30% | Pass |
| Mercury                        | S23-JI0012239 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Nickel                         | S23-JI0012239 | CP | mg/kg | 7.6      | 7.1      | 8.0 | 30% | Pass |
| Zinc                           | S23-JI0012239 | CP | mg/kg | 88       | 89       | <1  | 30% | Pass |
| Duplicate                      |               |    |       |          |          |     |     |      |
| Sample Properties              |               |    |       | Result 1 | Result 2 | RPD |     |      |
| % Moisture                     | S23-JI0012239 | CP | %     | 27       | 28       | 6.2 | 30% | Pass |
| Duplicate                      |               |    |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons |               |    |       | Result 1 | Result 2 | RPD |     |      |
| TRH C10-C14                    | S23-JI0012246 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass |
| TRH C15-C28                    | S23-JI0012246 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH C29-C36                    | S23-JI0012246 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH >C10-C16                   | S23-JI0012246 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH >C16-C34                   | S23-JI0012246 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass |
| TRH >C34-C40                   | S23-JI0012246 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass |
| Duplicate                      |               |    |       |          |          |     |     |      |
| Heavy Metals                   |               |    |       | Result 1 | Result 2 | RPD |     |      |
| Arsenic                        | S23-JI0012249 | CP | mg/kg | < 2      | < 2      | <1  | 30% | Pass |
| Cadmium                        | S23-JI0012249 | CP | mg/kg | < 0.4    | < 0.4    | <1  | 30% | Pass |
| Chromium                       | S23-JI0012249 | CP | mg/kg | 22       | 25       | 12  | 30% | Pass |
| Copper                         | S23-JI0012249 | CP | mg/kg | 7.5      | 8.1      | 8.2 | 30% | Pass |
| Iron                           | S23-JI0012249 | CP | mg/kg | 14000    | 17000    | 19  | 30% | Pass |
| Lead                           | S23-JI0012249 | CP | mg/kg | 5.8      | 6.0      | 4.2 | 30% | Pass |
| Mercury                        | S23-JI0012249 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Nickel                         | S23-JI0012249 | CP | mg/kg | 9.8      | 12       | 17  | 30% | Pass |
| Zinc                           | S23-JI0012249 | CP | mg/kg | 26       | 32       | 20  | 30% | Pass |
| Duplicate                      |               |    |       |          |          |     |     |      |
| Sample Properties              |               |    |       | Result 1 | Result 2 | RPD |     |      |
| % Moisture                     | S23-JI0012252 | CP | %     | 6.3      | 6.2      | 1.3 | 30% | Pass |

## Comments

### Sample Integrity

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

### Qualifier Codes/Comments

| Code | Description                                                                                                                                                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N01  | F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).                                                                                                                                                                                                                   |
| N02  | Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid. |
| N04  | F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.                                                                                                                              |
| N07  | Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs                                                                                                                                                                                                       |
| Q02  | The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause                                                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                    |
| S05  | Field Screen uses the following fizz rating to classify the rate the samples reacted to the peroxide: 1.0; No reaction to slight. 2.0; Moderate reaction. 3.0; Strong reaction with persistent froth. 4.0; Extreme reaction.                                                                                                                                                                                           |

### Authorised by:

|                    |                             |
|--------------------|-----------------------------|
| Asim Khan          | Analytical Services Manager |
| Caitlin Breeze     | Senior Analyst-Inorganic    |
| Caitlin Breeze     | Senior Analyst-Metal        |
| Fang Yee Tan       | Senior Analyst-Metal        |
| Roopesh Rangarajan | Senior Analyst-Organic      |
| Roopesh Rangarajan | Senior Analyst-Volatile     |
| Ryan Phillips      | Senior Analyst-Inorganic    |
| Sayeed Abu         | Senior Analyst-Asbestos     |



**Glenn Jackson**  
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

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**Tetra Tech Coffey Geotechnics Pty Ltd Chatswood**  
**Level 18, Tower B, Citadel Tower 799 Pacific Highway**  
**Chatswood**  
**NSW 2067**



**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.

**Attention:** **Kelsie McGillen**

**Report** **1005684-W**  
**Project name** **NORTHERN RIVERS**  
**Project ID** **SYDGE319200**  
**Received Date** **Jul 06, 2023**

| Client Sample ID                         |       |      | TS<br>Trip Spike<br>(liquid) | TB<br>Trip Blank<br>(liquid) | TS<br>Trip Spike<br>(liquid) | TB<br>Trip Blank<br>(liquid) |
|------------------------------------------|-------|------|------------------------------|------------------------------|------------------------------|------------------------------|
| Sample Matrix                            |       |      | S23-JI0012218                | S23-JI0012219                | S23-JI0012227                | S23-JI0012228                |
| Eurofins Sample No.                      |       |      | Jul 03, 2023                 | Jul 03, 2023                 | Jul 04, 2023                 | Jul 04, 2023                 |
| Date Sampled                             |       |      |                              |                              |                              |                              |
| Test/Reference                           | LOR   | Unit |                              |                              |                              |                              |
| TRH C6-C10                               | 1     | %    | 75                           | -                            | 72                           | -                            |
| Naphthalene <sup>N02</sup>               | 0.01  | mg/L | -                            | < 0.01                       | -                            | < 0.01                       |
| <b>Total Recoverable Hydrocarbons</b>    |       |      |                              |                              |                              |                              |
| Naphthalene                              | 1     | %    | 87                           | -                            | 87                           | -                            |
| TRH C6-C9                                | 1     | %    | 75                           | -                            | 72                           | -                            |
| <b>BTEX</b>                              |       |      |                              |                              |                              |                              |
| Benzene                                  | 1     | %    | 110                          | -                            | 120                          | -                            |
| Ethylbenzene                             | 1     | %    | 97                           | -                            | 95                           | -                            |
| m&p-Xylenes                              | 1     | %    | 97                           | -                            | 98                           | -                            |
| o-Xylene                                 | 1     | %    | 95                           | -                            | 94                           | -                            |
| Toluene                                  | 1     | %    | 87                           | -                            | 87                           | -                            |
| Xylenes - Total                          | 1     | %    | 96                           | -                            | 96                           | -                            |
| 4-Bromofluorobenzene (surr.)             | 1     | %    | 97                           | -                            | 96                           | -                            |
| <b>Total Recoverable Hydrocarbons</b>    |       |      |                              |                              |                              |                              |
| TRH C6-C9                                | 0.02  | mg/L | -                            | < 0.02                       | -                            | < 0.02                       |
| TRH C6-C10                               | 0.02  | mg/L | -                            | < 0.02                       | -                            | < 0.02                       |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup> | 0.02  | mg/L | -                            | < 0.02                       | -                            | < 0.02                       |
| <b>BTEX</b>                              |       |      |                              |                              |                              |                              |
| Benzene                                  | 0.001 | mg/L | -                            | < 0.001                      | -                            | < 0.001                      |
| Toluene                                  | 0.001 | mg/L | -                            | < 0.001                      | -                            | < 0.001                      |
| Ethylbenzene                             | 0.001 | mg/L | -                            | < 0.001                      | -                            | < 0.001                      |
| m&p-Xylenes                              | 0.002 | mg/L | -                            | < 0.002                      | -                            | < 0.002                      |
| o-Xylene                                 | 0.001 | mg/L | -                            | < 0.001                      | -                            | < 0.001                      |
| Xylenes - Total*                         | 0.003 | mg/L | -                            | < 0.003                      | -                            | < 0.003                      |
| 4-Bromofluorobenzene (surr.)             | 1     | %    | -                            | 89                           | -                            | 85                           |

| Client Sample ID                         |       |      | TS<br>Trip Spike<br>(liquid)<br>S23-JI0012254<br>Jul 05, 2023 | TB<br>Trip Blank<br>(liquid)<br>S23-JI0012255<br>Jul 05, 2023 |
|------------------------------------------|-------|------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sample Matrix                            |       |      |                                                               |                                                               |
| Eurofins Sample No.                      |       |      |                                                               |                                                               |
| Date Sampled                             |       |      |                                                               |                                                               |
| Test/Reference                           | LOR   | Unit |                                                               |                                                               |
|                                          |       |      |                                                               |                                                               |
| TRH C6-C10                               | 1     | %    | 72                                                            | -                                                             |
| Naphthalene <sup>N02</sup>               | 0.01  | mg/L | -                                                             | < 0.01                                                        |
| <b>Total Recoverable Hydrocarbons</b>    |       |      |                                                               |                                                               |
| Naphthalene                              | 1     | %    | 75                                                            | -                                                             |
| TRH C6-C9                                | 1     | %    | 72                                                            | -                                                             |
| <b>BTEX</b>                              |       |      |                                                               |                                                               |
| Benzene                                  | 1     | %    | 89                                                            | -                                                             |
| Ethylbenzene                             | 1     | %    | 84                                                            | -                                                             |
| m&p-Xylenes                              | 1     | %    | 87                                                            | -                                                             |
| o-Xylene                                 | 1     | %    | 84                                                            | -                                                             |
| Toluene                                  | 1     | %    | 77                                                            | -                                                             |
| Xylenes - Total                          | 1     | %    | 85                                                            | -                                                             |
| 4-Bromofluorobenzene (surr.)             | 1     | %    | 91                                                            | -                                                             |
| <b>Total Recoverable Hydrocarbons</b>    |       |      |                                                               |                                                               |
| TRH C6-C9                                | 0.02  | mg/L | -                                                             | < 0.02                                                        |
| TRH C6-C10                               | 0.02  | mg/L | -                                                             | < 0.02                                                        |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup> | 0.02  | mg/L | -                                                             | < 0.02                                                        |
| <b>BTEX</b>                              |       |      |                                                               |                                                               |
| Benzene                                  | 0.001 | mg/L | -                                                             | < 0.001                                                       |
| Toluene                                  | 0.001 | mg/L | -                                                             | < 0.001                                                       |
| Ethylbenzene                             | 0.001 | mg/L | -                                                             | < 0.001                                                       |
| m&p-Xylenes                              | 0.002 | mg/L | -                                                             | < 0.002                                                       |
| o-Xylene                                 | 0.001 | mg/L | -                                                             | < 0.001                                                       |
| Xylenes - Total*                         | 0.003 | mg/L | -                                                             | < 0.003                                                       |
| 4-Bromofluorobenzene (surr.)             | 1     | %    | -                                                             | 91                                                            |

**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 |
|-------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions<br>- Method: LTM-ORG-2010 TRH C6-C40 | Sydney       | Jul 07, 2023 | 7 Days       |
| Total Recoverable Hydrocarbons<br>- Method: LTM-ORG-2010 TRH C6-C40                       | Sydney       | Jul 07, 2023 | 7 Days       |
| BTEX<br>- Method: LTM-ORG-2010 BTEX and Volatile TRH                                      | Sydney       | Jul 07, 2023 | 14 Days      |

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NSW 2067

**Project Name:** NORTHERN RIVERS  
**Project ID:** SYDGE319200

**Order No.:**  
**Report #:** 1005684  
**Phone:** +61 2 9406 1000  
**Fax:** +61 2 9406 1002

**Received:** Jul 6, 2023 9:30 AM  
**Due:** Jul 13, 2023  
**Priority:** 5 Day  
**Contact Name:** Kelsie McGillen

Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                      |              |               |        |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|----------------------|--------------|---------------|--------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                      |              |               |        |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                      |              |               |        |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| External Laboratory                            |                      |              |               |        |               |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| No                                             | Sample ID            | Sample Date  | Sampling Time | Matrix | LAB ID        |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 1                                              | BROAD C-BH1 0.1-0.5  | Jul 03, 2023 |               | Soil   | S23-JI0012203 |                   |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 2                                              | BROAD C-BH1 0.5-1.0  | Jul 03, 2023 |               | Soil   | S23-JI0012204 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 3                                              | BROAD C-BH1 6.8-7.0  | Jul 03, 2023 |               | Soil   | S23-JI0012205 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 4                                              | BROAD C-BH2 0.1-0.35 | Jul 03, 2023 |               | Soil   | S23-JI0012206 |                   |      | X    | X                    |                                  |                    | X            | X                        | X                 |                        |                        |
| 5                                              | BROAD C-BH2 0.35-0.8 | Jul 03, 2023 |               | Soil   | S23-JI0012207 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 6                                              | BROAD C-BH2 6.8-7.0  | Jul 03, 2023 |               | Soil   | S23-JI0012208 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 7                                              | BROAD E-BH1 0.1-0.4  | Jul 03, 2023 |               | Soil   | S23-JI0012209 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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Eurofins Analytical Services Manager : Asim Khan

| Sample Detail                                  |                     |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 8                                              | BROAD E-BH1 0.4-1.0 | Jul 03, 2023 |  | Soil                | S23-JI0012210 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 9                                              | BR-SS1              | Jul 03, 2023 |  | Soil                | S23-JI0012211 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 10                                             | BR-SS2              | Jul 03, 2023 |  | Soil                | S23-JI0012212 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 11                                             | BR-SS3              | Jul 03, 2023 |  | Soil                | S23-JI0012213 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 12                                             | BR-SS4              | Jul 03, 2023 |  | Soil                | S23-JI0012214 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 13                                             | BR-SS5              | Jul 03, 2023 |  | Soil                | S23-JI0012215 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 14                                             | BR-SS6              | Jul 03, 2023 |  | Soil                | S23-JI0012216 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 15                                             | DUP1                | Jul 03, 2023 |  | Soil                | S23-JI0012217 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 16                                             | TS                  | Jul 03, 2023 |  | Trip Spike (liquid) | S23-JI0012218 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 17                                             | TB                  | Jul 03, 2023 |  | Trip Blank (liquid) | S23-JI0012219 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 18                                             | WA-SS1              | Jul 04, 2023 |  | Soil                | S23-JI0012220 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 19                                             | WA-SS2              | Jul 04, 2023 |  | Soil                | S23-JI0012221 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 20                                             | WA-SS3              | Jul 04, 2023 |  | Soil                | S23-JI0012222 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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| Sample Detail                                  |                     |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 21                                             | WA-SS4              | Jul 04, 2023 |  | Soil                | S23-JI0012223 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 22                                             | WA-SS5              | Jul 04, 2023 |  | Soil                | S23-JI0012224 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 23                                             | DUP2                | Jul 04, 2023 |  | Soil                | S23-JI0012225 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 24                                             | DUP3                | Jul 04, 2023 |  | Soil                | S23-JI0012226 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 25                                             | TS                  | Jul 04, 2023 |  | Trip Spike (liquid) | S23-JI0012227 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 26                                             | TB                  | Jul 04, 2023 |  | Trip Blank (liquid) | S23-JI0012228 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 27                                             | BROAD E-BH2 0.1-0.5 | Jul 03, 2023 |  | Soil                | S23-JI0012229 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 28                                             | BROAD E-BH2 0.5-1.0 | Jul 03, 2023 |  | Soil                | S23-JI0012230 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 29                                             | EM-SS1              | Jul 04, 2023 |  | Soil                | S23-JI0012231 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 30                                             | EM-SS3              | Jul 04, 2023 |  | Soil                | S23-JI0012232 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 31                                             | EM-SS4              | Jul 04, 2023 |  | Soil                | S23-JI0012233 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 32                                             | EM-SS5              | Jul 04, 2023 |  | Soil                | S23-JI0012234 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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| Sample Detail                                  |                   |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|-------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                   |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                   |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 33                                             | BL-SS1            | Jul 04, 2023 |  | Soil | S23-JI0012235 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 34                                             | BL-SS2            | Jul 04, 2023 |  | Soil | S23-JI0012236 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 35                                             | BL-SS3            | Jul 04, 2023 |  | Soil | S23-JI0012237 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 36                                             | BL-SS4            | Jul 04, 2023 |  | Soil | S23-JI0012238 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 37                                             | WA-C BH1 0-0.1    | Jul 04, 2023 |  | Soil | S23-JI0012239 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 38                                             | WA-C BH1 0.1-0.3  | Jul 04, 2023 |  | Soil | S23-JI0012240 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 39                                             | WA-C BH1 0.3-0.8  | Jul 04, 2023 |  | Soil | S23-JI0012241 | X                 |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 40                                             | WA-C BH1 1.0-1.25 | Jul 04, 2023 |  | Soil | S23-JI0012242 |                   |      |      |                      | X                                |                    | X            |                          | X                 |                        |                        |
| 41                                             | WA-C BH2 0-0.1    | Jul 04, 2023 |  | Soil | S23-JI0012243 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 42                                             | WA-C BH2 0.1-0.3  | Jul 04, 2023 |  | Soil | S23-JI0012244 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 43                                             | WA-C BH2          | Jul 04, 2023 |  | Soil | S23-JI0012245 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |

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| Sample Detail                                  |                     |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|---------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                     |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                     |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 43                                             | WA-C BH2<br>1.5-1.9 | Jul 04, 2023 |  | Soil | S23-JI0012245 |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 44                                             | WA-E BH1<br>0.1-0.5 | Jul 04, 2023 |  | Soil | S23-JI0012246 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 45                                             | WA-E BH1<br>1.0-1.5 | Jul 04, 2023 |  | Soil | S23-JI0012247 |                   |      |      |                      | X                                |                    | X            |                          | X                 |                        |                        |
| 46                                             | WA-E BH2<br>0.1-0.4 | Jul 04, 2023 |  | Soil | S23-JI0012248 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 47                                             | WA-E BH2<br>0.4-0.8 | Jul 04, 2023 |  | Soil | S23-JI0012249 | X                 |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 48                                             | WA-E BH2<br>0.8-1.5 | Jul 04, 2023 |  | Soil | S23-JI0012250 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 49                                             | DUP4                | Jul 05, 2023 |  | Soil | S23-JI0012251 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |
| 50                                             | EM-C BH1 0-<br>0.1  | Jul 05, 2023 |  | Soil | S23-JI0012252 | X                 |      | X    | X                    |                                  | X                  | X            | X                        | X                 |                        |                        |
| 51                                             | EM-C BH1<br>0.3-0.8 | Jul 05, 2023 |  | Soil | S23-JI0012253 |                   |      |      |                      |                                  |                    | X            |                          | X                 |                        |                        |

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| Sample Detail                                  |                   |              |  |                     |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|-------------------|--------------|--|---------------------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                   |              |  |                     |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                   |              |  |                     |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
| 52                                             | TS                | Jul 05, 2023 |  | Trip Spike (liquid) | S23-JI0012254 |                   |      |      |                      |                                  |                    |              |                          |                   |                        | X                      |
| 53                                             | TB                | Jul 05, 2023 |  | Trip Blank (liquid) | S23-JI0012255 |                   |      |      |                      |                                  |                    |              |                          |                   | X                      |                        |
| 54                                             | EMC BH1 1.25-1.5  | Jul 05, 2023 |  | Soil                | S23-JI0012256 |                   |      |      |                      | X                                |                    |              |                          |                   |                        |                        |
| 55                                             | BROAD C-BH1 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012257 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 56                                             | BROAD C-BH2 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012258 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 57                                             | BROAD E-BH1 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012259 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 58                                             | BROAD E-BH2 0-0.1 | Jul 03, 2023 |  | Soil                | S23-JI0012260 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 59                                             | EM-SS2            | Jul 04, 2023 |  | Soil                | S23-JI0012261 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 60                                             | BL-SS5            | Jul 04, 2023 |  | Soil                | S23-JI0012262 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 61                                             | WA-C BH2          | Jul 04, 2023 |  | Soil                | S23-JI0012263 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |

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| Sample Detail                                  |                  |              |  |      |               | Asbestos - AS4964 | HOLD | Iron | Total Organic Carbon | Acid Sulfate Soils Field pH Test | Suite B14: OCP/OPP | Moisture Set | Cation Exchange Capacity | Eurofins Suite B7 | BTEXN and Volatile TRH | BTEXN and Volatile TRH |
|------------------------------------------------|------------------|--------------|--|------|---------------|-------------------|------|------|----------------------|----------------------------------|--------------------|--------------|--------------------------|-------------------|------------------------|------------------------|
| Melbourne Laboratory - NATA # 1261 Site # 1254 |                  |              |  |      |               |                   |      |      | X                    |                                  |                    |              | X                        | X                 |                        |                        |
| Sydney Laboratory - NATA # 1261 Site # 18217   |                  |              |  |      |               | X                 | X    | X    |                      | X                                | X                  | X            | X                        | X                 | X                      | X                      |
|                                                | 0.3-0.8          |              |  |      |               |                   |      |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 62                                             | WA-E BH1 0-0.1   | Jul 04, 2023 |  | Soil | S23-JI0012264 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 63                                             | WA-E BH1 0.5-1.0 | Jul 04, 2023 |  | Soil | S23-JI0012265 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 64                                             | WA-E BH2 0-0.1   | Jul 04, 2023 |  | Soil | S23-JI0012266 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 65                                             | EM-C BH1 0.1-0.3 | Jul 05, 2023 |  | Soil | S23-JI0012267 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| 66                                             | EM-C BH1 0.8-1.5 | Jul 05, 2023 |  | Soil | S23-JI0012268 |                   | X    |      |                      |                                  |                    |              |                          |                   |                        |                        |
| Test Counts                                    |                  |              |  |      |               | 19                | 12   | 5    | 5                    | 7                                | 4                  | 42           | 5                        | 42                | 3                      | 3                      |

## Internal Quality Control Review and Glossary

### General

- 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.
- All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
- All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
- Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
- SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
- 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

|                                                  |                                           |                                                                          |
|--------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------|
| <b>mg/kg:</b> milligrams per kilogram            | <b>mg/L:</b> milligrams per litre         | <b>µg/L:</b> micrograms per litre                                        |
| <b>ppm:</b> parts per million                    | <b>ppb:</b> parts per billion             | <b>%:</b> Percentage                                                     |
| <b>org/100 mL:</b> Organisms per 100 millilitres | <b>NTU:</b> Nephelometric Turbidity Units | <b>MPN/100 mL:</b> Most Probable Number of organisms per 100 millilitres |
| <b>CFU:</b> Colony forming unit                  |                                           |                                                                          |

### Terms

|                         |                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APHA</b>             | American Public Health Association                                                                                                                                                                                                                                                            |
| <b>COC</b>              | Chain of Custody                                                                                                                                                                                                                                                                              |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                                                                                                                                                         |
| <b>CRM</b>              | Certified Reference Material (ISO17034) - reported as percent recovery.                                                                                                                                                                                                                       |
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                                                                                                                                                |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                                                                                                                                              |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                                                                                                                                                           |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery.                                                                                                                                                                                                                                     |
| <b>Method Blank</b>     | 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.                                                                                                                                |
| <b>NCP</b>              | 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.                                                                                                                            |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                                                                                                                                                         |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                                                                                                                                                    |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                                                                                                                                                         |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                                                                                                                                                    |
| <b>TBTO</b>             | Tributyltin oxide ( <i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits. |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                                                                                                                                                    |
| <b>TEQ</b>              | Toxic Equivalency Quotient or Total Equivalence                                                                                                                                                                                                                                               |
| <b>QSM</b>              | US Department of Defense Quality Systems Manual Version 5.4                                                                                                                                                                                                                                   |
| <b>US EPA</b>           | United States Environmental Protection Agency                                                                                                                                                                                                                                                 |
| <b>WA DWER</b>          | 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. SVOCs recoveries 20 – 150%

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

- 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.
- 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.
- 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.
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
- For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
- 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 |
|---------------------------------------|---------------|-----------|-------|----------|----------|-----|-------------------|-------------|-----------------|
| <b>Method Blank</b>                   |               |           |       |          |          |     |                   |             |                 |
| Naphthalene                           |               |           | mg/L  | < 0.01   |          |     | 0.01              | Pass        |                 |
| <b>Method Blank</b>                   |               |           |       |          |          |     |                   |             |                 |
| <b>Total Recoverable Hydrocarbons</b> |               |           |       |          |          |     |                   |             |                 |
| TRH C6-C9                             |               |           | mg/L  | < 0.02   |          |     | 0.02              | Pass        |                 |
| TRH C6-C10                            |               |           | mg/L  | < 0.02   |          |     | 0.02              | Pass        |                 |
| <b>Method Blank</b>                   |               |           |       |          |          |     |                   |             |                 |
| <b>BTEX</b>                           |               |           |       |          |          |     |                   |             |                 |
| Benzene                               |               |           | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Toluene                               |               |           | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Ethylbenzene                          |               |           | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| m&p-Xylenes                           |               |           | mg/L  | < 0.002  |          |     | 0.002             | Pass        |                 |
| o-Xylene                              |               |           | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Xylenes - Total*                      |               |           | mg/L  | < 0.003  |          |     | 0.003             | Pass        |                 |
| <b>LCS - % Recovery</b>               |               |           |       |          |          |     |                   |             |                 |
| Naphthalene                           |               |           | %     | 83       |          |     | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>               |               |           |       |          |          |     |                   |             |                 |
| <b>Total Recoverable Hydrocarbons</b> |               |           |       |          |          |     |                   |             |                 |
| TRH C6-C9                             |               |           | %     | 102      |          |     | 70-130            | Pass        |                 |
| TRH C6-C10                            |               |           | %     | 102      |          |     | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>               |               |           |       |          |          |     |                   |             |                 |
| <b>BTEX</b>                           |               |           |       |          |          |     |                   |             |                 |
| Benzene                               |               |           | %     | 108      |          |     | 70-130            | Pass        |                 |
| Toluene                               |               |           | %     | 102      |          |     | 70-130            | Pass        |                 |
| Ethylbenzene                          |               |           | %     | 101      |          |     | 70-130            | Pass        |                 |
| m&p-Xylenes                           |               |           | %     | 106      |          |     | 70-130            | Pass        |                 |
| o-Xylene                              |               |           | %     | 105      |          |     | 70-130            | Pass        |                 |
| Xylenes - Total*                      |               |           | %     | 106      |          |     | 70-130            | Pass        |                 |
| Test                                  | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Duplicate</b>                      |               |           |       |          |          |     |                   |             |                 |
|                                       |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| Naphthalene                           | R23-JI0006822 | NCP       | mg/L  | < 0.01   | < 0.01   | <1  | 30%               | Pass        |                 |
| <b>Duplicate</b>                      |               |           |       |          |          |     |                   |             |                 |
|                                       |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| TRH C6-C9                             | R23-JI0006822 | NCP       | mg/L  | < 0.02   | < 0.02   | <1  | 30%               | Pass        |                 |
| TRH C6-C10                            | R23-JI0006822 | NCP       | mg/L  | < 0.02   | < 0.02   | <1  | 30%               | Pass        |                 |
| <b>Duplicate</b>                      |               |           |       |          |          |     |                   |             |                 |
|                                       |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| Benzene                               | R23-JI0006822 | NCP       | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Toluene                               | R23-JI0006822 | NCP       | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Ethylbenzene                          | R23-JI0006822 | NCP       | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| m&p-Xylenes                           | R23-JI0006822 | NCP       | mg/L  | < 0.002  | < 0.002  | <1  | 30%               | Pass        |                 |
| o-Xylene                              | R23-JI0006822 | NCP       | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Xylenes - Total*                      | R23-JI0006822 | NCP       | mg/L  | < 0.003  | < 0.003  | <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                                                                                                                                                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N02  | Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid. |
| N04  | F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.                                                                                                                              |

### Authorised by:

Asim Khan                      Analytical Services Manager  
Roopesh Rangarajan        Senior Analyst-Volatile



**Glenn Jackson**  
**Managing Director**

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

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## APPENDIX D: DATA QUALITY OBJECTIVES

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As stated in Section 18 of Appendix B of Schedule B2 of the National Environment Protection (Assessment of Site Contamination) Measure 1999 ('ASC NEPM') (NEPC, 2013), the DQO process is a seven-step iterative planning approach used to define the type, quantity and quality of data needed to support decisions relating to the environmental condition of a site.

The seven-step DQO process adopted for the assessment of soil is presented in Table 5.

**Table C: Data Quality Objectives**

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. State the problem</b>                  | <p>The site was previously impacted by flood events in February/March 2022.</p> <p>The investigation was required to characterise the soil materials to assess contamination status and to develop appropriate management requirements.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>2. Identify the decision</b>              | <p>The key decisions include:</p> <ul style="list-style-type: none"> <li>- Does soil contamination present an unacceptable health and/or ecological risk to the site users with respect to the proposed development?</li> <li>- What is the extent and type of contamination, if present?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>3. Identify inputs to the decision</b>    | <p>The primary inputs to assessing the above included:</p> <ul style="list-style-type: none"> <li>- Previous investigations (where applicable).</li> <li>- Field observations including the presence of visual / olfactory indicators of contamination.</li> <li>- Analytical data of sample media, and QA/QC samples.</li> <li>- Outcome of QA/QC samples; and</li> <li>- Nominated investigation levels / assessment criteria.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>4. Define the boundaries of the study</b> | <p>The boundaries for the investigation are identified as follows:</p> <ul style="list-style-type: none"> <li>- Spatial Boundaries: The locations at which the soil samples are collected from, shown in Figure 1 in Appendix A.</li> <li>- Temporal boundaries: The status of the sampling points at the time of the investigation.</li> <li>- Soil materials were investigated to typically the base of fill.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>5. Develop a decision rule</b>            | <p>The decision rules applied to the investigation included:</p> <ul style="list-style-type: none"> <li>- If the concentrations of analytes were below the adopted assessment criteria for samples representative of the exposure pathway, then the risk to human health and / or the environment was considered to be acceptable for the intended land use.</li> <li>- If the concentrations of analytes were above the adopted assessment criteria for samples representative of the exposure pathway, then further assessment was recommended and may have included the following:</li> <li>- Review of the results in-conjunction with a refined CSM to consider if exposure pathways and associated representative concentrations represent an unacceptable risk to potential receptors for the intended land use;</li> <li>- Completion of further investigations to refine the understanding of extent and magnitude of contamination;</li> <li>- Use of statistics in the assessment of data to develop relevant exposure concentrations; and</li> </ul> |

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                  | <ul style="list-style-type: none"> <li>- Completion of a site-specific risk assessment to refine assumptions of intake to relevant specific site pathways and indicate whether the contamination poses an unacceptable risk to receptors</li> </ul> <p>If the completion of the above determined there was an unacceptable risk to receptors, appropriate remediation and / or management actions would have been developed to make the site suitable for its intended use.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>6. Acceptable limits on decision error</b>    | <p>Decision errors are incorrect decisions caused by using data that is not representative of site conditions due to sampling or analytical error, or by assessing data against incorrect criteria. As a result, in this investigation a decision may have been made that remediation / management is not needed when it is (false negative), or vice versa (false positive). There are three identified sources of decision error:</p> <ul style="list-style-type: none"> <li>- Sampling errors, which occur when the samples collected are not representative of the conditions within the investigation area. Sampling errors are reduced by collecting samples using industry standard methods, across material types and depths and ensuring a spatial distribution that will identify hot spots of meaningful size;</li> <li>- Measurement errors, which occur during sample collection, handling, preparation, analysis and data reduction. Measurement errors are reduced by following industry standards (QA practices) and conducting quality control assessment (QC analysis); and</li> <li>- Assumption errors, which occur when the assumptions that are used to develop assessment criteria do not accurately reflect the site setting, migration pathways or receptor behaviours. False negative assumption errors are typically reduced by using conservative assumptions in the initial data review, and then false positive errors are reduced by conducting refined risk assessment.</li> </ul> <p>To consider the potential for decision errors to have been made, an assessment of data quality indicators was undertaken as described in Section 11. The closeness of the data to the assessment criteria was also be considered.</p> |
| <b>7. Optimise the design for obtaining data</b> | <p>The methodology and rationale for obtaining relevant data for the investigation is presented in this report. The methodology and analytical plan were optimised based on site constraints, visual observations, and interim review of results.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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## APPENDIX E: BOREHOLE LOGS

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# Engineering Log - Borehole

client: **ADCO Construction Pty Ltd**  
principal: **NSW Department of Education**  
project: **Northern River School Cluster**  
location: **Boardwater Public School**

Borehole ID: **BRO-C-BH1**  
sheet: 1 of 2  
project no: **SYDGE319200**  
date started: **03 Jul 2023**  
date completed: **03 Jul 2023**  
logged by: **WS**  
checked by:

position: E: 542607; N: 6791617 (MGA94 ) surface elevation: 1.90 m (AHD) angle from horizontal: 90°  
drill model: GOT2008, Truck mounted drilling fluid: Water casing diameter: HW

| drilling information                                     |             |                     |                       |        | material substance |             |                   |                                                                                                                   |                    |                                |                         |                                                    |                               |
|----------------------------------------------------------|-------------|---------------------|-----------------------|--------|--------------------|-------------|-------------------|-------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------|-------------------------|----------------------------------------------------|-------------------------------|
| method & support                                         | penetration | water               | samples & field tests | RL (m) | depth (m)          | graphic log | soil group symbol | material description<br>SOIL NAME: plasticity or particle characteristics, colour, secondary and minor components | moisture condition | consistency / relative density | hand penetrometer (kPa) | soil origin, structure and additional observations |                               |
| <div><div>AD</div><div>HW casing</div><div>W</div></div> | 1           | <div>03/07/23</div> |                       |        |                    |             |                   | <b>SAND:</b> fine to medium grained, brown-grey, trace rootlets.                                                  | M                  |                                |                         | <b>TOPSOIL/ALLUVIUM</b>                            |                               |
|                                                          | 2           |                     |                       |        |                    |             |                   | <b>Sandy CLAY:</b> medium plasticity, brown-grey, fine to coarse sand, trace rootlets.                            | ~Wp                |                                |                         |                                                    | <b>ALLUVIUM</b><br>HP 220 kPa |
|                                                          | 3           |                     |                       |        |                    |             | CH                | <b>CLAY:</b> high plasticity, brown mottled orange, trace fine to medium sand.                                    |                    | St                             |                         |                                                    |                               |
|                                                          |             |                     |                       |        |                    |             | CL                | <b>Sandy CLAY:</b> low plasticity, brown grey, fine to coarse sand.                                               | >Wp                | VS                             |                         |                                                    |                               |
|                                                          |             |                     |                       |        |                    |             | SP                | <b>SAND:</b> fine to coarse grained, pale grey, mottled pale yellow.                                              | M                  | VL                             |                         |                                                    |                               |
|                                                          |             |                     |                       |        |                    |             |                   |                                                                                                                   |                    | L                              |                         |                                                    |                               |
|                                                          |             |                     |                       |        |                    |             |                   |                                                                                                                   |                    | MD                             |                         |                                                    |                               |
|                                                          |             |                     |                       |        |                    |             | SM                | <b>SILTY SAND:</b> fine to coarse grained, brown yellow.                                                          | W                  | D                              |                         |                                                    |                               |
|                                                          |             |                     |                       |        |                    |             |                   |                                                                                                                   |                    |                                |                         |                                                    |                               |
|                                                          |             |                     |                       |        |                    |             |                   |                                                                                                                   |                    |                                |                         |                                                    |                               |
|                                                          |             |                     |                       |        |                    |             |                   |                                                                                                                   |                    |                                |                         |                                                    |                               |

|                                                                                                                                                                                                          |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                   |                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>method</b><br>DT diatube<br>AD auger drilling*<br>AS auger screwing*<br>HA hand auger<br>W washbore<br>RR rock roller<br><br>* bit shown by suffix<br>e.g. AD/T<br>B blank bit<br>T TC bit<br>V V bit | <b>support</b><br>M mud<br>C casing<br><br><b>penetration</b><br><br><b>water</b><br><br>10-Oct-12 water level on date shown<br>water inflow<br>water outflow | <b>samples &amp; field tests</b><br>B bulk disturbed sample<br>D disturbed sample<br>E environmental sample<br>SS split spoon sample<br>U## undisturbed sample ##mm diameter<br>HP hand penetrometer (kPa)<br>N standard penetration test (SPT)<br>N* SPT - sample recovered<br>Nc SPT with solid cone<br>VS vane shear; peak/remoulded (kPa)<br>R refusal<br>HB hammer bouncing | <b>soil group symbol &amp; material description</b><br>based on AS 1726:2017<br><br><b>moisture condition</b><br>D dry<br>M moist<br>W wet<br>Wp plastic limit<br>WL liquid limit | <b>consistency / relative density</b><br>VS very soft<br>S soft<br>F firm<br>St stiff<br>VSt very stiff<br>H hard<br>Fb friable<br>VL very loose<br>L loose<br>MD medium dense<br>D dense<br>VD very dense |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



# Engineering Log - Borehole

client: **ADCO Construction Pty Ltd**  
principal: **NSW Department of Education**  
project: **Northern River School Cluster**  
location: **Boardwater Public School**

Borehole ID: **BRO-C-BH1**  
sheet: 2 of 2  
project no: **SYDGE319200**  
date started: **03 Jul 2023**  
date completed: **03 Jul 2023**  
logged by: **WS**  
checked by:

position: E: 542607; N: 6791617 (MGA94 ) surface elevation: 1.90 m (AHD) angle from horizontal: 90°  
drill model: GOT2008, Truck mounted drilling fluid: Water casing diameter: HW

| drilling information |                |       |                          |        |           | material substance |                   |                                                                                                                  |                    |                                |                         |                                                    |
|----------------------|----------------|-------|--------------------------|--------|-----------|--------------------|-------------------|------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------|-------------------------|----------------------------------------------------|
| method & support     | penetration    | water | samples & field tests    | RL (m) | depth (m) | graphic log        | soil group symbol | material description                                                                                             | moisture condition | consistency / relative density | hand penetrometer (kPa) | soil origin, structure and additional observations |
| <div>W</div>         | <div>123</div> |       |                          |        |           | <div></div>        | SM                | <b>SILTY SAND:</b> fine to coarse grained, brown yellow.<br><i>(continued)</i><br>8.3 m: becoming orange brown   | W                  | D                              | <div>100200300400</div> | ALLUVIUM                                           |
|                      |                |       | SPT<br>7, 20, 28<br>N=48 |        |           | <div></div>        | GM                | <b>SILTY GRAVEL:</b> fine to coarse grained, sub-rounded to sub-angular, orange brown, with fine to coarse sand. | M                  |                                |                         |                                                    |
|                      |                |       |                          | -7     | 9.0       |                    |                   |                                                                                                                  |                    |                                |                         |                                                    |
|                      |                |       |                          | -8     | 10.0      |                    |                   | Borehole BRO-C-BH1 terminated at 9.45 m Refusal                                                                  |                    |                                |                         |                                                    |
|                      |                |       |                          | -9     | 11.0      |                    |                   |                                                                                                                  |                    |                                |                         |                                                    |
|                      |                |       |                          | -10    | 12.0      |                    |                   |                                                                                                                  |                    |                                |                         |                                                    |
|                      |                |       |                          | -11    | 13.0      |                    |                   |                                                                                                                  |                    |                                |                         |                                                    |
|                      |                |       |                          | -12    | 14.0      |                    |                   |                                                                                                                  |                    |                                |                         |                                                    |
|                      |                |       |                          | -13    | 15.0      |                    |                   |                                                                                                                  |                    |                                |                         |                                                    |
|                      |                |       |                          | -14    |           |                    |                   |                                                                                                                  |                    |                                |                         |                                                    |

|                                                                                                                                                                                                          |                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                   |                                                                                                                                                                                                            |
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| <b>method</b><br>DT diatube<br>AD auger drilling*<br>AS auger screwing*<br>HA hand auger<br>W washbore<br>RR rock roller<br><br>* bit shown by suffix<br>e.g. AD/T<br>B blank bit<br>T TC bit<br>V V bit | <b>support</b><br>M mud N nil<br>C casing<br><br><b>penetration</b><br><br>no resistance ranging to refusal<br><br><b>water</b><br>10-Oct-12 water level on date shown<br>water inflow<br>water outflow | <b>samples &amp; field tests</b><br>B bulk disturbed sample<br>D disturbed sample<br>E environmental sample<br>SS split spoon sample<br>U## undisturbed sample ##mm diameter<br>HP hand penetrometer (kPa)<br>N standard penetration test (SPT)<br>N* SPT - sample recovered<br>Nc SPT with solid cone<br>VS vane shear; peak/remoulded (kPa)<br>R refusal<br>HB hammer bouncing | <b>soil group symbol &amp; material description</b><br>based on AS 1726:2017<br><br><b>moisture condition</b><br>D dry<br>M moist<br>W wet<br>Wp plastic limit<br>Wl liquid limit | <b>consistency / relative density</b><br>VS very soft<br>S soft<br>F firm<br>St stiff<br>VSt very stiff<br>H hard<br>Fb friable<br>VL very loose<br>L loose<br>MD medium dense<br>D dense<br>VD very dense |
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client: **ADCO Construction Pty Ltd**  
principal: **NSW Department of Education**  
project: **Northern River School Cluster**  
location: **Boardwater Public School**

checked by:

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# Engineering Log - Borehole

client: **ADCO Construction Pty Ltd**  
principal: **NSW Department of Education**  
project: **Northern River School Cluster**  
location: **Boardwater Public School**

Borehole ID: **BRO-C-BH2**  
sheet: 2 of 2  
project no: **SYDGE319200**  
date started: **03 Jul 2023**  
date completed: **03 Jul 2023**  
logged by: **WS**  
checked by:

position: E: 542618; N: 6791657 (MGA94 ) surface elevation: 1.91 m (AHD) angle from horizontal: 90°  
drill model: GOT2008, Truck mounted drilling fluid: Water casing diameter : HW

| drilling information                                                                                                                                                                                     |             |       |                                                                                                                                                                                                                                                                                                                                                                                   |        | material substance |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
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| method & support                                                                                                                                                                                         | penetration | water | samples & field tests                                                                                                                                                                                                                                                                                                                                                             | RL (m) | depth (m)          | graphic log                                                                                                                                                                                                                                                                                                                                                                      | soil group symbol | material description<br><br>SOIL NAME: plasticity or particle characteristics, colour, secondary and minor components | moisture condition                                                                                                                                                                | consistency / relative density | hand penetrometer (kPa)                                                                                                                                                                                    | soil origin, structure and additional observations |
|                                                                                                                                                                                                          | 1<br>2<br>3 |       |                                                                                                                                                                                                                                                                                                                                                                                   |        |                    |                                                                                                                                                                                                                                                                                                                                                                                  | SP                | SAND: fine to medium grained, grey, trace silt.<br>(continued)                                                        | M                                                                                                                                                                                 | D                              | 100<br>200<br>300<br>400                                                                                                                                                                                   | ALLUVIUM                                           |
|                                                                                                                                                                                                          |             |       | SPT<br>8, 13, 29<br>N=42                                                                                                                                                                                                                                                                                                                                                          | -7     | 9.0                |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   | MD                             |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   |        |                    |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       | SPT<br>8, 11, 17<br>N=28                                                                                                                                                                                                                                                                                                                                                          | -8     | 10.0               |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
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|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   | -9     | 11.0               |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   |        |                    |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   | -10    | 12.0               |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   |        |                    |                                                                                                                                                                                                                                                                                                                                                                                  |                   | Borehole BRO-C-BH2 terminated at 12.20 m<br>Target depth                                                              |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   | -11    | 13.0               |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
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|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   | -12    | 14.0               |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   |        |                    |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   | -13    | 15.0               |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
|                                                                                                                                                                                                          |             |       |                                                                                                                                                                                                                                                                                                                                                                                   |        |                    |                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                                                       |                                                                                                                                                                                   |                                |                                                                                                                                                                                                            |                                                    |
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| <b>method</b><br>DT diatube<br>AD auger drilling*<br>AS auger screwing*<br>HA hand auger<br>W washbore<br>RR rock roller<br><br>* bit shown by suffix<br>e.g. AD/T<br>B blank bit<br>T TC bit<br>V V bit |             |       | <b>support</b><br>M mud N nil<br>C casing<br><br><b>penetration</b><br><br>no resistance ranging to refusal<br><br><b>water</b><br><br>10-Oct-12 water level on date shown<br>water inflow<br>water outflow |        |                    | <b>samples &amp; field tests</b><br>B bulk disturbed sample<br>D disturbed sample<br>E environmental sample<br>SS split spoon sample<br>U## undisturbed sample ##mm diameter<br>HP hand penetrometer (kPa)<br>N standard penetration test (SPT)<br>N* SPT - sample recovered<br>Nc SPT with solid cone<br>VS vane shear; peak/remoulded (kPa)<br>R refusal<br>HB hammer bouncing |                   |                                                                                                                       | <b>soil group symbol &amp; material description</b><br>based on AS 1726:2017<br><br><b>moisture condition</b><br>D dry<br>M moist<br>W wet<br>Wp plastic limit<br>Wl liquid limit |                                | <b>consistency / relative density</b><br>VS very soft<br>S soft<br>F firm<br>St stiff<br>VSt very stiff<br>H hard<br>Fb friable<br>VL very loose<br>L loose<br>MD medium dense<br>D dense<br>VD very dense |                                                    |



# Engineering Log - Borehole

client: **ADCO Construction Pty Ltd**  
principal: **NSW Department of Education**  
project: **Northern River School Cluster**  
location: **Boardwater Public School**

Borehole ID. **BRO-C-BH3**  
sheet: 1 of 1  
project no. **SYDGE319200**  
date started: **03 Jul 2023**  
date completed: **03 Jul 2023**  
logged by: **WS**  
checked by:

position: E: 542615; N: 6791652 (MGA94 ) surface elevation: 2.01 m (AHD) angle from horizontal: 90°  
drill model: GOT2008, Truck mounted drilling fluid: N/A hole diameter : 100 mm

| drilling information |                                                                                   |                                                                                   |                                                                                   |                 | material substance    |        |           |                                                                                   |                   |                                                                                                                                                                                                            |                    |                                |  |                         |                                                    |
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| method & support     | penetration                                                                       |                                                                                   |                                                                                   | water           | samples & field tests | RL (m) | depth (m) | graphic log                                                                       | soil group symbol | material description                                                                                                                                                                                       | moisture condition | consistency / relative density |  | hand penetrometer (kPa) | soil origin, structure and additional observations |
|                      | 1                                                                                 | 2                                                                                 | 3                                                                                 |                 |                       |        |           |                                                                                   |                   |                                                                                                                                                                                                            |                    |                                |  |                         |                                                    |
| AD                   |  |  |  | Not Encountered |                       | 2      |           |  | SW                | <div><div>SAND: fine to coarse grained, brown-grey, trace rootlets.</div><div>SAND: fine to coarse grained, grey brown.</div><div>Sandy CLAY: low plasticity, grey brown, fine to coarse sand.</div></div> | M                  | L                              |  |                         | TOP SOIL/FILL ALLUVIUM                             |
|                      |                                                                                   |                                                                                   |                                                                                   |                 |                       |        |           |                                                                                   | CL                |                                                                                                                                                                                                            | <Wp                |                                |  |                         |                                                    |
|                      |                                                                                   |                                                                                   |                                                                                   |                 |                       | 1      | 1.0       |  |                   | Borehole BRO-C-BH3 terminated at 1.0 m Target depth                                                                                                                                                        |                    |                                |  |                         |                                                    |
|                      |                                                                                   |                                                                                   |                                                                                   |                 |                       |        |           |                                                                                   |                   |                                                                                                                                                                                                            |                    |                                |  |                         |                                                    |
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| <b>method</b><br>DT diatube<br>AD auger drilling*<br>AS auger screwing*<br>HA hand auger<br>W washbore<br>RR rock roller<br><br>* bit shown by suffix<br>e.g. AD/T<br>B blank bit<br>T TC bit<br>V V bit | <b>support</b><br>M mud N nil<br>C casing<br><br><b>penetration</b><br><br>no resistance ranging to refusal<br><br><b>water</b><br>10-Oct-12 water level on date shown<br>water inflow<br>water outflow | <b>samples &amp; field tests</b><br>B bulk disturbed sample<br>D disturbed sample<br>E environmental sample<br>SS split spoon sample<br>U## undisturbed sample ##mm diameter<br>HP hand penetrometer (kPa)<br>N standard penetration test (SPT)<br>N* SPT - sample recovered<br>Nc SPT with solid cone<br>VS vane shear; peak/remoulded (kPa)<br>R refusal<br>HB hammer bouncing | <b>soil group symbol &amp; material description</b><br>based on AS 1726:2017<br><br><b>moisture condition</b><br>D dry<br>M moist<br>W wet<br>Wp plastic limit<br>WL liquid limit | <b>consistency / relative density</b><br>VS very soft<br>S soft<br>F firm<br>St stiff<br>VSt very stiff<br>H hard<br>Fb friable<br>VL very loose<br>L loose<br>MD medium dense<br>D dense<br>VD very dense |
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client: **ADCO Construction Pty Ltd**  
principal: **NSW Department of Education**  
project: **Northern River School Cluster**  
location: **Boardwater Public School**

checked by:

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