# DETAILED SITE INVESTIGATION (DSI)

**Project No:** ENRS3413
**Address:** Bolong Road, Bomaderry, NSW 2541
**Date:** 21/04/2026



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# Record of Distribution:

| Copies | Status | Document | Date | Prepared For |
|---|---|---|---|---|
| PDF | Rev.1.ed.1 | Detailed Site Investigation, Air Liquide CO2, Bolong Rd Bomaderry | 24/08/2025 | Babbage |
| PDF | Rev.2.ed.1 | Detailed Site Investigation, Air Liquide CO2, Bolong Rd Bomaderry | 01/09/2025 | Babbage |
| PDF | Rev.3.ed.1 | Detailed Site Investigation, Air Liquide CO2, Bolong Rd Bomaderry | 05/03/2025 | Babbage |
| PDF | Rev.4.ed.1 | Detailed Site Investigation, Air Liquide CO2, Bolong Rd Bomaderry | 21/04/2025 | Babbage |
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# Glossary and Abbreviations

| Abbreviation | Meaning |
|---|---|
| ACM | Asbestos Containing Material |
| AEC | Areas of Environmental Concern |
| AF | Asbestos Fines |
| ANZECC | The Australian and New Zealand Environment Conservation Council |
| ASBINS | Asbestos in Soil |
| ASS | Acid Sulfate Soil |
| BoM | Bureau of Meteorology |
| BTEX | Benzene, toluene, ethylbenzene, and xylenes |
| CEMP | Construction Environmental Management Plan |
| CLM | Contaminated Land Management |
| CoA | Conditions of Approval |
| CoPC | Contaminants of Potential Concern |
| CSM | Conceptual Site Model |
| DCC | Development Consent Condition |
| DEC | Department of Environment and Conservation |
| DECCW | Department of Environment, Climate Change and Water |
| DSI | Detailed Site Investigation |
| DTW | Depth to Water (groundwater) |
| ENM | Excavated Natural Material |
| EMP | Environmental Management Plan |
| EPA | NSW Environment Protection Authority |
| EPL | Environment Protection Licence |
| FA | Friable Asbestos |
| GDE | Groundwater Dependent Ecosystem |
| HILs | Health Investigation Levels |
| HM | Heavy metals |
| HSLs | Health Screening Levels |
| KCOC | Known Contaminants of Concern |
| L/s | Litres Per Second |
| LGA | Local Government Area |
| LTEMP | Long Term Environmental Management Plan |
| MBGL | Metres Below Ground Level |
| NAD | No asbestos detected |
| OCP | Organochlorine Pesticide |
| OEH | NSW Office of Environment and Heritage |
| OPP | Organophosphate Pesticide |
| pAEC | Preliminary Area of Environmental Concern |
| PAH | Polycyclic Aromatic Hydrocarbons |
| PASS | Potential acid sulfate soils |
| PCB | Polychlorinated Biphenyls |

| Abbreviation | Meaning |
|---|---|
| PCOC | Potential Contaminants of Concern |
| PFAS | Per- and poly-fluoroalkyl substances |
| POEO Act | Protection of the Environment Operations Act 1997 (NSW) |
| RAP | Remediation Action Plan |
| SEPP | State Environmental Planning Policy |
| SWL | Standing Water Level (elevation of groundwater table) |
| TRH | Total Recoverable Hydrocarbons |
| UFP | Unexpected Find Protocol |
| UPSS | Underground Petroleum Storage System |
| UST | Underground Storage Tanks |
| VENM | Virgin Excavated Natural Material |

# Executive Summary

Environment & Natural Resource Solutions (ENRS Pty Ltd) were commissioned as independent Environmental Consultants by Manildra Energy Australia Pty Ltd (Manildra) and Air Liquide Australia Solutions Pty Ltd (Air Liquide) (the Client) to prepare a Detailed Site Investigation (DSI) for the proposed $CO_2$ Processing Plant located along Bolong Road, Bomaderry, NSW 2541 (herein referred to as the Site). The portion of the Site subject to this DSI is delineated in **Figure 17-1**.

ENRS understands this assessment has been undertaken in support of State Significant Development (SSD) under State Environmental Planning Policy (Planning Systems) 2021 as the proposal involves a "Chemical manufacturing and related industry". Manildra and Air Liquide plan to build a $CO_2$ recycling and purification plant on the former Australian Pulp and Paper Mills site. The majority of the building work will be carried out at the old Paper Mill site; however, the pipeline connecting the old mill and Shoalhaven Starches will be built parallel to Bolong Road, crossing through several lots (Lot 143 DP1069758, Lot 4 DP610696, Lot 3 Sec 1 DP3885, Lot 1 DP605942, Lots 5 and 6 DP621040, Lot 1 DP544730) and to the main processing site at Lot A DP384559.

Given the proposed change in land use for an industrial development, this assessment is required to assess the potential for ground contamination consistent with the NSW State Environmental Planning Policy (Resilience and Hazards) 2021 (Resilience and Hazards SEPP) and the requirements outlined in the Secretary's Environmental Assessment Requirements (SEARS) relating to SSD application SSD-80824235.

This report documents the results of Site inspections, sampling and desktop study of available Site records in general accordance with the National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1), and the guidelines made and approved under Section 105 of the Contaminated Land Management Act 1997 (the Act), namely the Guidelines for Consultants Reporting on Contaminated Land (NSW EPA;2020); and the Guidelines for the Assessment and Management of Groundwater contamination (DEC;2007).

Following the completion of a Scoping Report (Allen Price, 26/02/2025) for the proposed project (SSD-80824235), a Secretaries Environmental Assessment Requirements (SEARs) was prepared and returned (04/04/2025). The following requirements, specific to contamination, were required to be addressed:

- Completion of a site contamination assessment in accordance with the Managing Land Contamination Planning Guidelines: SEPP 55 – Remediation of Land (DUAP, 1998), including the characterisation of the nature and extent of any contamination on the site and surrounding area, and the preparation of a Detailed Site Investigation (DSI) and a Remedial Action Plan, if the Preliminary Site Investigation indicates contamination is present and a DSI is required.

Completion of this DSI, in accordance with the guidelines outlined in Section 1.1 of this report, has addressed the requirements of the Project SEARS with respect to contamination.

The objectives of this DSI were to characterise the type, extent and level of contamination through Site inspections and intrusive soil investigations. The DSI also aimed to assess if the Site will pose no unacceptable risk to human health or the environment, to provide a statement regarding the suitability of the Site for the proposed land use and outline recommendations for further investigations or remediation, if required.

The scope of work for the project comprised the following tasks:

- Document the Site history based on a review of available records, including; previous environmental investigation reports; proposed development plans; publicly available data (including aerial photographs, geological maps, topographical maps, and registered groundwater bore database), Council and NSW EPA records;
- Conduct an appraisal of the Site history to identify any past or present potentially contaminating activities and potentially contaminated media (on- and off-site sources);
- Document the condition of the Site and surrounding environment, including the geological and hydrogeological setting;
- Review the Site's previous environmental reports to identify the Areas of Environmental Concern (AECs) requiring investigation and the potential contaminants of concern (PCoC);
- Prepare a preliminary Conceptual Site Model (CSM), and discuss any identified data gaps in the assessment of site contamination;
- Conduct a Site investigation for the identified AECs and PCoC, submit samples for NATA accredited laboratory analysis, conduct Tier 1 screening of results against NSW EPA endorsed Site Assessment Criteria (SAC); and
- Provide a statement if the Site is suitable OR can be suitable after remediation for the purposes for which the development is proposed to be carried out, as required by Resilience and Hazards SEPP and/ or outline recommendations for further investigations or remediation and Site management, if required.

Based on the findings outlined during the scope of works the following conclusions may be made:

- The tasks completed during this investigation have met the project objectives set out in **Section 1.4** of this document;
- The Site history appraisal documents the Site has been used for a mixture of rural and agricultural land use for an extended period of time (circa 1949). Throughout this time, the Site has been under constant development with more large-scale projects occurring in the last decade. Developments included the construction of industrial facilities for ethanol production, paper manufacturing and milk processing;
- The review of available historical records including; NSW EPA, PFAS Management Programs and Licensed Activities under the POEO Act 1997 did identify contaminated land records at, or within a 1km buffer of the Site, which were assessed to present a potential contamination risk to the Site;
- Based on the proposed redevelopment for the construction of a $CO_2$ Processing Plant, the appropriate Site Assessment Criteria (SAC) adopted for this assessment was ASC NEPM HIL 'D' (2013) for commercial/industrial land use;
- NATA accredited laboratory soil results for PCoC including PAHs, heavy metals, pesticides, phenols, PCBs, VOCs and SVOCs reported concentrations below the adopted SAC which was considered satisfactory.
- No asbestos containing materials were observed during test pit investigations and field screening. Additionally, all soil samples were submitted to a NATA accredited laboratory for analysis reported no asbestos detected.

Based on the results of this assessment, the Site is assessed as suitable for the proposed $CO_2$ Processing Plant in accordance with the NSW State Environmental Planning Policy (Resilience and

Hazards) 2021 (Resilience and Hazards SEPP).Based on the findings outlined during the scope of works the following recommendations are provided:

- Submit this report to the Regulator for endorsement;
- In the event that other waste materials are required to be disposed of off-Site, materials must be accompanied by a Waste Classification Certificate in accordance with the NSW EPA Waste Classification Guidelines (2014) prepared by a suitably qualified environmental professional.
- Should any change in Site conditions or incidents occur which causes a potential environmental impact, a suitable environmental professional should be engaged to further assess the Site and consider the requirements for any additional assessment; and
- This report must be read in conjunction with the Statement of Limitations.

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# 1 Introduction

## 1.1 Background

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### 1.3 Objectives

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### 1.4 Scope of Work

The scope of work for the project comprised the following tasks:

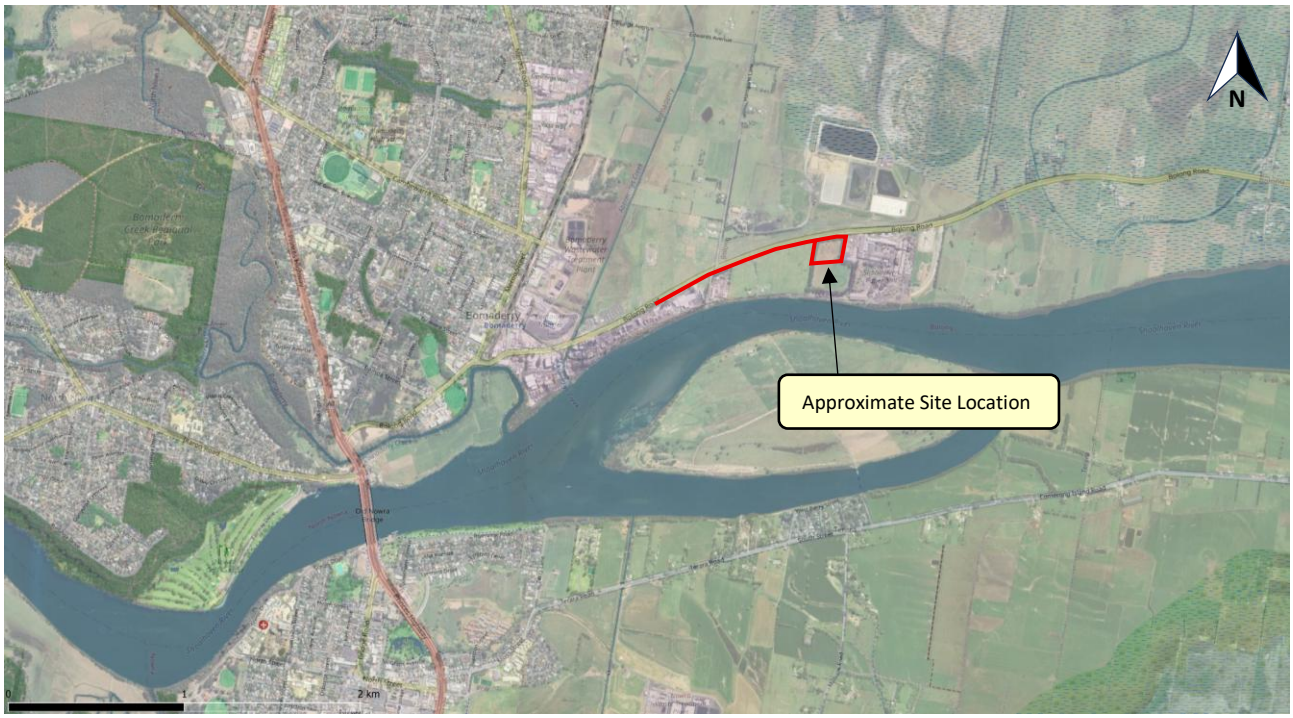
- Document the Site history based on a review of available records, including; previous environmental investigation reports; proposed development plans; publicly available data (including aerial photographs, geological maps, topographical maps, and registered groundwater bore database), Council and NSW EPA records;
- Conduct an appraisal of the Site history to identify any past or present potentially contaminating activities and potentially contaminated media (on- and off-site sources);
- Document the condition of the Site and surrounding environment, including the geological and hydrogeological setting;
- Review the Site's previous environmental reports to identify the Areas of Environmental Concern (AECs) requiring investigation and the potential contaminants of concern (PCoC);
- Prepare a preliminary Conceptual Site Model (CSM), and discuss any identified data gaps in the assessment of site contamination;
- Conduct a Site investigation for the identified AECs and PCoC, submit samples for NATA accredited laboratory analysis, conduct Tier 1 screening of results against NSW EPA endorsed Site Assessment Criteria (SAC); and
- Provide a statement if the Site is suitable OR can be suitable after remediation for the purposes for which the development is proposed to be carried out, as required by Resilience and Hazards SEPP and/ or outline recommendations for further investigations or remediation and Site management, if required.

## 2 Site Identification

### 2.1 Site Identification

The Site is located east of the Bomaderry township, on the southern side of Bolong Road, as shown in **Figure 2-1** and **Figure 17-1**. The key features required to identify the Site are summarised in **Table 2-1** below.

## Figure 2-1 Project Location




Source: https://portal.spatial.nsw.gov.au/explorer/index.html (cited 24/02/2026)

## Table 2-1: Site Identification

| Site | Description |
|---|---|
| **Site Name** | Air Liquide $CO_2$ Processing Plant |
| **Street address** | 340 Bolong Road, Bomaderry, NSW 2540 (main plant area) |
| **Property description** | Mixed use – industrial site, pastoral and residential |
| **(Lot / Deposited Plan)** | Lot 143 DP1069758, Lot 4 DP610696, Lot 3 Sec 1 DP3885, Lot 1 DP605942, Lots 5 and 6 DP621040, Lot 1 DP544730, Lot A DP384559. |
| **Easting/Northing (GDA94) (approximate centre of Site)** | E. 831921. N. 6137518 (centre of main plant build), E. 831510. N. 6137269 (centre of pipeline) |
| **Current owners** | Manildra Energy Australia Pty Ltd c/ Shoalhaven Starches |
| **Current occupiers** | Manildra Energy Australia Pty Ltd c/ Shoalhaven Starches |
| **Site area (total)** | Approximately 11,800m$^2$ |
| **Site dimensions** | Irregular shaped property. Refer to **Figure 17-1**. |
| **Areas excluded or inaccessible** | Sub-surface soil investigations within the western portion of the pipeline not accessible due to underground services |
| **Local government area** | Shoalhaven City Council |
| **Current zoning** | E4 General Industrial |
| **Locality map** | Berry 9028-3N |
| **Trigger for assessment** | State significant development of $CO_2$ Plant (SSD-80824235) and corresponding contamination requirements outlined in the Secretary's Environmental Assessment Requirements (SEARS) |

| Site | Description |
|---|---|
| **State or Local government statutory controls** | • Contaminated Land Management Act 1997;<br>• Environment Protection Act 1997;<br>• Environment Protection Regulation 2021. Resilience and Hazards SEPP;<br>• Work Health and Safety Act 2011;<br>• Work Health and Safety Regulations 2025.<br>• Shoalhaven Local Environmental Plan (LEP, 2014)<br>• SEARS (application SSD-80824235) |
| **Legal permissions** to access the Site obtained or required | Works commissioned by Babbage Consultants Limited on behalf of Air Liquide Australia Solutions Pty Ltd & Manildra Energy Australia Pty Ltd |
| **Consent of adjoining landowners** and/or occupiers to access land (if required) | Consent of adjoining landowner not required for this scope of works. Access provided by Manildra as the landowner. |

## 2.2 Site Layout

The Site layout is documented in **Figure 17-1** with a photographic record of Site conditions provided in **Appendix E**. The following points outline the Site layout at the time of this assessment.

- The Site comprised parts of Lot 143 DP1069758, Lot 4 DP610696, Lot 3 Sec 1 DP3885, Lot 1 DP605942, Lots 5 and 6 DP621040, Lot 1 DP544730, Lot A DP384559 Bolong Road, Bomaderry as delineated in **Figure 2-1**.
- At the time of investigation, the site was characterised by grassed agricultural land (within the proposed plant area and eastern part of proposed pipeline route) and commercial/industrial land use (within the western portion of the proposed pipeline route);
- While no buildings or structures were present within the proposed $CO_2$ plan area or the majority of the proposed pipeline route, several components of industrial infrastructure were present adjoining or adjacent to the far western portion of the pipeline route, including carparks, industrial maintenance sheds, shipping container storage yards and industrial fermenters;
- Bolong Road was situated alongside the northern boundary of the proposed Pipeline route;
- Access to the Lots subject to this DSI were primarily via three (3) farm gates on the southern side of Bolong Road. Access to the western portion of the pipeline route was via various gates and access roads within the Manildra (Shoalhaven Starches) facility;

## 2.3 Topography

A review of the Site topography was conducted with reference to current series topographic map sheets (Berry 9028-3N), SDT Explorer and the Lotsearch Report (LS085858_EP) supported by Site inspections. A copy of the topographic map is provided in **Appendix J**.

The Site primarily comprised of generally flat floodplain areas adjacent to the Shoalhaven River. In some areas of the Site, there was a minor downgradient slope South towards the Shoalhaven River with estimated elevation changes less than 2m. Areas of the Site within the industrial area comprised disturbed terrain which had been subject to extensive earthworks and hardstand placement to support the industrial land use.

Surface runoff (if any) is expected to be captured by localised drainage channels or stormwater systems throughout the Site which are directed towards the Shoalhaven River. Some minor topographic unconformities related to the construction of the Shoalhaven Starches plant and fill emplacement were present within the Site, however the Site was broadly consistent with surrounding topography.

## 2.4 Soil Landscape

A review of the soil landscape setting was conducted with reference to the Lotsearch Report (LS085858-EP) as provided in **Appendix J**. The mapped soil landscape shows the Site is underlain by;

- Kandasol – dissected sandstone plateau; chief soils are acid yellow leached earths and acid yellow earths as follows: (i) flat to undulating areas of the original plateau surface--yellow leached earths (Gn2.74) and yellow earths (Gn2.21) and (Gn2.24) all containing large amounts of ironstone gravels and/or boulders; (ii) gently undulating ridge tops of leached sands (Uc2.12) and (Uc2.3) with open (treeless) areas of acid peats (O) and yellow leached earths (Gn2.74) and (Gn2.34);
- Dermosol - River terraces: (1) lower of dark, porous, loamy soils (Um6.11), (2) middle of (Gn2.2 and Gn2.4),(3) upper of (Dy2.41 or Dy3.41 or Dy5.41), and (4) present floodplains of various (Uc1 and Um1) soils.

In areas of the Site where natural soil profiles were encountered, investigations by ENRS (2025) encountered alluvial soil profiles comprising topsoils (brown silty sands) overlying sandy clays which were generally consistent with the mapped soil landscape.

## 2.5 Acid Sulfate Soil (ASS) Assessment

A desktop assessment was conducted for potential Acid Sulfate in Soil (ASS) with reference to the eSPADE online Acid Sulphate Soil Risk maps, NSW Gov. SEED datasets and the Lotsearch Report (LS-85858-EP) as provided in **Appendix J**. The Site area was mapped as underlain by the following ASS classes:

- Within the proposed $CO_2$ plant area, Class 3 acid sulfate soils, i.e. acid sulfate soils are likely to be found 1m below the natural ground level;
- Within the proposed pipeline route adjoining the Shoalhaven River, Class 4 acid sulfate soils, i.e. ASS are likely to be found 2m below the natural ground level;

Based on the published risk mapping and position in the landscape the Site is considered to present a moderate to high risk for potential acid sulfate soils within deeper soil profiles.

## 2.6 Geology

A review of the geological setting was conducted with reference to Lotsearch Report (LS-085858-EP) as provided in **Appendix J**. The mapped geology shows the Site was underlain by the following units;

- Quaternary (base) to Now (top) aged alluvial levee (Q_al) fluvially deposited fine- to medium-grained lithic to quartz-rich sand, silt, clay.. Q_al was the primary unit mapped within the Site; and;

- Quaternary (base) to Now (top) Alluvial channel deposits – subaqueous (Q_acw) fluvially deposited sand, gravel, silt, clay. Q_acw borders the southern boundary of the river as makes up the base of the Shoalhaven River;

Test pit investigations by ENRS (2025, 2026) terminated at a maximum investigation depth of 1.5 metres below ground level (mBGL) in alluvial deposits (sandy clays) and were unable to confirm deeper geological units or conditions.

### 2.7 Hydrogeology

Based on the Site geology groundwater in the area is expected to be associated with the following aquifer systems;

- Shallow unconfined systems hosted in the unconsolidated soil, clay and sand, often ephemeral associated with rainfall recharge, with elevated salinity, and a shallow groundwater table generally less than 5 metres within low lying areas; and
- Deep dual porosity aquifer (fractured and porous rock) systems hosted in the underlying rock sequences with low to moderate yields, elevated salinity and standing water levels generally deeper than 10 metres.

Review of registered bore database identified forty-one (41) groundwater bores within a two (2) kilometre radius of the Site ,as shown in **Appendix J**.

All bores within a 1km radius of the Site were registered for monitoring purposes, subsequently site activities were considered unlikely to impact existing groundwater users in the area. Registered groundwater bore map is provided within **Appendix J**.

## 3 Site History

### 3.1 Previous Reports

ENRS understand the Site has been subject to the following environmental reports. A summary of key report findings is provided in the following sub-sections.

#### 3.1.1 Geotechnical Investigation, Coffee Geotechnics (2012)

- Coffee Geotechnics Pty Ltd was engaged by Manildra Group Pty Ltd to conduct a geotechnical investigation within part of the former Dairy Farmers property;
- The investigation comprised the drilling of two (2) boreholes within, or adjacent to the proposed Silo Site;
- Borehole investigations encountered the following subsurface conditions:
  - At the ground surface, fill materials comprising sandy gravel;
  - 0 – 0.2m: Sandy CLAY, brown/dark brown mottled, with a low-medium plasticity;
  - 0.2 – 0.7m: Fill, CLAY, orange/brown/grey, medium to high plasticity;
  - 0.7 – 2.7m: Alluvial deposits, Silty SAND/Clayey SAND, orange/brown, medium to high plasticity;
  - 2.7 – 5.0m: Alluvial deposits, Alluvial deposits, CLAY/Sandy CLAY, orange/grey, medium to high plasticity;

### 3.1.2 Geotechnical Investigation, Terra Insight (2025)

- Terra Insight Pty Ltd was engaged by ENRS Pty Ltd, on behalf of Babbage Pty Ltd to prepare a Geotechnical Investigation for the proposed $CO_2$ Processing Plant located at 340 Bolong Road, Bomaderry, NSW
- The investigation comprised CPT testing, five (5) shallow and two (2) deep boreholes within the plant area, four (4) boreholes within the pipeline route and both CPT, SPT and laboratory sample analysis;
- Within the plant area, borehole investigations generally encountered topsoil overlying alluvial deposits consisting of brown silty clays. Boreholes along the eastern edge of the proposed plant area encountered a fill layer of presumed slag fill;
- Within the plant area, borehole investigations generally encountered topsoil overlying alluvial deposits consisting of silty clays, brown with yellow/red/orange mottles;
- Investigations for acid sulfate soils concluded that the Site was not underlain by Actual Acid Sulfate Soils (AASS). Some Potential Acid Sulfate Soils (PASS) may be present at depth; however, are unlikely to be disturbed by the proposed works;

## 3.2 Historical Titles

A search of prior and cancelled land titles is generally undertaken to document the timeline of previous landowners and their occupation which provides an indication of potential contaminating activities associated with previous land use. Available title records for this assessment confirmed the land subject of this DSI had been historically owned by the former Paper Mill and then bought by Manildra in 1960. A copy of the available historical title is provided in **Appendix G**.

## 3.3 Historical Aerial Imagery

Historical aerial photographs of the Site area were reviewed to identify potential contaminating land use and relevant changes in Site conditions. Copies of the imagery are provided in **Appendix J**. Images were sourced from LotSearch (LS085858 EP) and Nearmap. The key observations made from the review of aerial photography are summarised in **Table 3-1**.

Table 3-1: Summary of Historical Aerial Imagery

| Year | Description of site condition and surrounding land use |
|---|---|
| **1949** | **Proposed Plant:** The Site was vacant and comprised primarily of grassed agricultural land. No buildings or structures were present.<br>**Proposed Pipeline:** The route primarily comprised grassed agricultural land. Bolong Road was present to the Sites north.<br>**Surrounding:** Some scattered vegetation was present along (presumed) fence lines and the Shoalhaven River. Several structures (presumed residential dwellings and farm / dairy sheds) were scattered throughout the surrounding area. |
| **1969** | **Proposed Plant:** Site conditions generally consistent with 1949 imagery<br>**Proposed Pipeline:** Site conditions generally consistent with 1949 imagery<br>**Surrounding:** Large scale industrial development had occurred within the Paper Mill located immediately east of the Site. |
| **1974** | Site layout generally consistent with 1969 imagery. |

| Year | Description of site condition and surrounding land use |
|---|---|
| **1984** | **Proposed Plant:** Site layout generally consistent with 1974 imagery. Some ground disturbance present, however unclear if it is soil disturbance or slashing.<br>**Proposed Pipeline:** Site conditions generally consistent with 1974 imagery.<br>**Surrounding:** Continued development/expansion and operation throughout the Paper Mill site. Unconfirmed from aerial imagery however it appears the railway line may have been constructed and in operation. |
| **1997** | **Proposed Plant:** Site area generally consistent with 1984 aerial imagery and remained grassed agricultural land.<br>**Proposed Pipeline:** Site area generally consistent with 1984 imagery. Construction of the former Dairy Farmers facility had occurred adjacent (south) to pipeline route.<br>**Surrounding:** Continued development and operation within the Paper Mill site. The Manildra (Shoalhaven Starches) facility has expanded and is approaching the Pipeline route (expanding from west to east). |
| **2002** | Site layout generally consistent with 1997 imagery. |
| **2010** (Nearmap) | **Proposed Plant:** Site conditions generally consistent with 2002 imagery.<br>**Proposed Pipeline:** Site conditions generally consistent with 2002 imagery.<br>**Surrounding:** Stockpiling of unknown construction/waste materials present adjacent to the south-west corner of the property located at 280 Bolong Road. Continued growth and expansion of all facilities surrounding the Site, however conditions generally consistent with 2002 imagery. |
| **2013** | **Proposed Plant:** Site conditions generally consistent with 2010 imagery.<br>**Proposed Pipeline:** Site conditions generally consistent with 2010 imagery.<br>**Surrounding:** Continued expansion of the Manildra (Shoalhaven Starches) facility from west to east, approaching on the western extent of the pipeline route. |
| **2014** (Nearmap) | **Proposed Plant:** Some exposed soil (presumed fill) appears to have been placed and spread across the Site area.<br>**Proposed Pipeline:** Continued expansion of the Manildra (Shoalhaven Starches) facility; hardstand/gravel carpark/setdown area present at the western extent of the pipeline route;<br>**Surrounding:** Continued growth and expansion of all facilities surrounding the Site, however conditions generally consistent with 2013 imagery. |
| **2021** (Nearmap) | **Proposed Plant:** Site conditions generally consistent with 2014 imagery.<br>**Proposed Pipeline:** Continued expansion of the Manildra (Shoalhaven Starches) facility; hardstand/gravel carpark/setdown area present at the western extent of the pipeline route. Tanks have been removed, dam had been filled in, and a large area of hardstand had been constructed as the 'container yard'.<br>**Surrounding:** Continued growth and expansion of all facilities surrounding the Site, however conditions generally consistent with 2014 imagery. |
| **2024** | Site layout generally consistent with 2021 imagery and consistent with the conditions observed during Site inspections. |

## 3.4 Dangerous Goods License & UPSS Records

Records of dangerous goods licenses and Under Ground Petroleum Storage (UPSS) are maintained by SafeWork NSW. A search of the database was not conducted for this DSI as available Site history records, in conjunction with Site inspections, were considered sufficient to identify AGST or UPSS

infrastructure within the Site area. The following points provide further information on dangerous goods storage within and adjoining to the Site:

- The Site inspection did not identify any evidence of above/below ground storage tanks within the proposed $CO_2$ Plant are and associated Pipeline route,
- The Shoalhaven Starches facility, surrounding the western portion of the pipeline, is known to contain large quantities of dangerous goods including ethanol, fuels/oils and both acidic/basic compounds.

## 3.5 NSW EPA Records

A search of the NSW EPA Contaminated Land register was undertaken for the LGA to assess the presence of contaminated land in the area. The search identified two (2) Sites currently regulated and one (1) site previously regulated under the Contaminated Land Management Act 1997 within a five (5) kilometre radius of the Site as outlined in **Table 3-2** below.

Table 3-2: NSW EPA Contaminated Land Register Search Results

Your search for: LGA: SHOALHAVEN CITY COUNCIL — Matched 18 notices relating to 3 sites.

Search Again | Refine Search

| Suburb | Address | Site Name | Notices related to this site |
|---|---|---|---|
| BOMADERRY | 320 Princes HIGHWAY | Commercial Land | 1 current and 4 former |
| NOWRA | Lamonds LANE | Former gasworks | 1 current and 6 former |
| NOWRA EAST | Lot 3 Kalandar STREET | Mobil Service Station | 6 former |

The following points provide further information on the register records:

- The search results for Princes Highway (Bomaderry) was located 2.6km north-west of the Site, west of Abernethy's Creek and located at a sufficient distance from the Site such that it is hydraulically disconnected.
- The search results for Lamonds Lane (Nowra) and Kalander Street (Nowra East) were both located on the southern side of the Shoalhaven River and are also considered to be hydraulically disconnected from the Site.

## 3.6 Historical Business Directories

A review of historical business directories was conducted with reference to the Lotsearch Report, as provided in **Appendix J**. Three (3) historical business records were identified within a 150m buffer of the Site as summarised below;

- Dairy products manufacturers and wholesalers, 1991 (on-site). ENRS note this land is now owned and operated by Manildra as part of their Shoalhaven Starches operation;
- Steel erectors, weighbridges and electrical contractors, 1991 (on-site). ENRS note this property is located at 250 Bolong Road and forms part of the proposed pipeline route.
- Dairy, glucose and, starch manufacturers, flour millers and merchants and, distillery, 1991 (126m west of the Site). ENRS note this forms part of the Shoalhaven Starches operation which remains active.

## 3.7 Emerging Contaminants (PFAS Investigation and Management Programs)

This assessment is required to consider the potential for emerging contaminants of concern at the Site, namely Per- and polyfluoroalkyl substances (PFAS) which were used in fire suppression products. A review of government PFAS investigation and management programs was conducted from the NSW EPA records. The EPA online register documents nearest PFAS investigation Site as the Shoalhaven River, located immediately south of the proposed pipeline route.

Further information on the Shoalhaven River PFAS investigation documents concentrations of PFAS within the river below both drinking water and recreational guidelines and generally provides restrictions on dietary intakes of fish only. The Shoalhaven River is not expected to present a significant PFAS contamination risk to the proposed $CO_2$ plant.

## 3.8 Underground Service Plans

The location of underground services can provide conduits and preferential pathways for contaminant migration into or from a Site. Service excavations and trenches may also comprise fill that may require management as waste.

A Dial Before You Dig (DBYD) was undertaken as part of the Site history appraisal and investigation planning for Site work. Underground services were present along the northern Site boundary (road reserve on the southern side of Bolong Road) and extensively throughout the Manildra facilities. Copies of service plans, both provided by the Client and through DBYD, are provided in **Appendix F**.

## 3.9 Landowner Records

At the time of this assessment no additional landowner records were available for review.

## 3.10 Integrity Assessment

Where available this Site history appraisal has utilised formal sources of information issued by local government (Council), SafeWork NSW, NSW EPA and NSW Land & Property Information providers. The records demonstrate a consistent timeline of land use activities and layout with no significant data gaps or inconsistencies to trigger further historical investigations. Hence, the sources and content of this assessment maybe considered to provide a reliable and satisfactory level of accuracy to support this Site history assessment and the identification of potential sources of environmental contamination.

## 3.11 Site History (Summary)

Based on this review of previous reports and the available Site history records the following points summarise the site history;

- The Site has been used for agricultural and industrial purposes for an extended period of time;
- Since ~1969 the Site has been under constant development with more large-scale projects occurring in the last decade. Developments included the construction of industrial facilities for ethanol production, paper manufacturing and milk processing;
- Review of the historical business directories identified several businesses registered with the Site associated with rural farm usage, plant production and maintenance;

- The review of available historical records including; NSW EPA, PFAS Management Programs and Licensed Activities under the POEO Act 1997 did identify contaminated land records at, or within a 1km buffer of the Site, which were assessed to present a potential contamination risk;
- Based on the published risk mapping and position in the landscape the Site was considered to present a moderate to high risk for potential acid sulfate soils; however, review of geotechnical assessments for the project concluded that the Site was not underlain by Actual Acid Sulfate Soils (AASS). Some Potential Acid Sulfate Soils (PASS) may be present at depth; however, are unlikely to be disturbed by the proposed works;
- The preliminary Areas of Environmental Concern (AECs) identified from Site inspections and this supplementary Site history review are:
  - **pAEC01 – Proposed $CO_2$ Plant Area:** Estimated area of 10,600m$^2$.
  - **pAEC02 – Pipeline Route:** Estimated area of 1,200m$^2$.

# 4 Site Condition & Surrounding Environment

The following **Table 4-1** outlines the observed Site conditions and surrounding environment at the time of this report based on the requirements of the ASC NEPM Field Checklist for 'Site Information' A Site layout plan is provided in **Figure 17-1** with a photographic record of Site conditions tabled in **Appendix E**.

Table 4-1: Summary of Observed Site Conditions & Surrounding Environment

| | ITEM | DESCRIPTION |
|---|---|---|
| 1. | Site inspection (date, by whom) | Site works completed by Christopher Allen (LAA001457) & Eloise Mounsey (Asbestos Competent Person), 13th – 14th August 2025 and 17th – 18th February 2026. |
| 2. | Topography of site and in relation to surrounding land | The Site was characterised by generally levelled overbank terrace/floodplain. South of the Site the riverbank comprised a steep fall towards the Shoalhaven River. |
| 3. | Elevation | Approximately Between ~2m to ~5m Australian Height Datum (AHD) |
| 4. | Position on slope (e.g. Crest, upper slope, mid slope, lower slope, flat), including direction | River floodplain |
| 5. | Quantification of slope (if required) as percentage slope | N/A – Site primarily flat/level on floodplain area |
| 6. | Summary of local meteorology - nearby weather stations (e.g. Annual range in monthly temperature, precipitation, seasonal variations) | Based off data obtained through BOM climate statistics for Nowra Ran Air Station AWS NSW (Station ID 068072) for the period of –2000 – 2025:<br>Mean maximum temperature is 27.6oC (January) and<br>Mean minimum temperature is 6.8oC (July).<br>Mean maximum rainfall is 139.2mm (March)<br>Mean minimum rainfall is 42.2mm (September)<br>Annual rainfall of 1013.7mm. |
| 7. | Climatic conditions | Rainfall prior to both site inspections and sampling events with some surface water ponding throughout agricultural areas of the Site. |
| 8. | Current land use | The Site was in use for industrial processes (food and energy production). |

| | ITEM | DESCRIPTION | |
|---|---|---|---|
| 9. | Surrounding land uses (north, south, east, west) noting apparent condition. | North: | RU1 – Primary Production, RU2 – Rural Landscape, SP2 – Infrastructure (Road), E4 – General Industry, SP2 – Infrastructure (Sewage Treatment Plant). |
| | | East: | E4 – General Industry, RU1 – Primary Production & SP2 – Infrastructure (Road). |
| | | South: | W2 – Recreational Waterways & RU1 – Primary Production. |
| | | West: | E4 – General Industry, SP2 – Infrastructure (Road), SP2 – Infrastructure (Sewerage System), SP2 – Infrastructure (Rail Facilities), RU1 – Primary Production, C2 – Environmental Conservation & Management, RE1 – Public Recreation.. |
| 10. | Density of residential use in surrounding area | To the west, industry/commercial properties and further to mixed density residential. Grazing pastures and low density rural properties to the north and east. | |
| 11. | Boundary conditions | Certain areas clearly delineated (in factory areas), areas through pastoral/rural land not clearly delineated. | |
| 12. | Location and conditions of all visible features, including current buildings and surface structures, roads, foundations, positions of former buildings, tanks, pits, wells, drains and bores | Refer to the Site layout plan provided within **Figure 17-1** and photographic record of Site conditions in **Appendix E**. | |
| 13. | Site building information:<br>Occupancy and use of buildings | No buildings or structures present within the Site area itself (i.e. within the proposed plant area or underground pipeline route). | |
| | Age of buildings | Adjacent to Site area, residential – circa 1949, industrial circa 1969 to present. | |
| | Construction of buildings including materials (e.g. Wood frame), openings (e.g. Windows, doors), and height (e.g. One storey, multistorey) | N/A | |
| | Number of storeys | N/A | |
| | Height of storeys | | |
| | Foundation type (e.g. Basement, crawlspace, slab on ground), if combination then percentage | N/A | |
| | Depth below grade to base of foundation | | |

| | ITEM | DESCRIPTION |
|---|---|---|
| | Foundation construction for both floor and subsurface walls (e.g. Poured concrete, concrete block, brick, timber) | N/A |
| | General condition of foundation (cracks, openings) | N/A |
| | Elevator shafts | N/A |
| | Sub-slab ventilation systems or moisture vapour barriers below buildings | N/A |
| | Sumps or drains or wells inside buildings | N/A |
| | Attached garage | N/A |
| | Below building parking | N/A |
| | Chemical use and storage | N/A |
| | Type of cooling and heating systems (e.g. Natural gas, oil, radiant, steam, electrical) | N/A |
| | Equipment location (e.g. Basement, crawl space, roof) | N/A |
| | Air intake and exhaust units | N/A |
| | Source of return air (e.g. Inside air, outside air, combination) | N/A |
| | System design consideration relation to indoor air pressure (e.g. Positive pressure is often the case for commercial buildings) | N/A |
| 14. | Condition and type of surface cover e.g. Bare ground, asphalt, concrete, gravel etc and estimate of percentage of site occupied by buildings, landscaped areas, paved or non-paved areas | ~80% grassed pastoral land and ~20% aggregate/hardstand |
| 15. | Chemical storage and transfer areas, including the presence of waste or chemical containers | None observed within the Site area. Chemical storage present in the industrial facilities adjacent to the Site area. |
| 16. | Details of above ground and underground storage systems and associated infrastructure (number, location, capacities, contents, age, construction, condition, bunding & spill control) | N/A |

| | ITEM | DESCRIPTION |
|---|---|---|
| 17. | Underground storage tanks (USTs)- product stored, volume, direct or remote fill points, dispenser bowsers, contained or uncontained fill points, underground piping and ventilation points, dip stick volume gauge, age of tank, records of spills or stock loss | N/A |
| 18. | Above ground storage tanks (ASTs)- product stored, volume, remote fill, bunded or unbunded containment area, staining within bund, staining outside bund, bund plug in place, staining around bund plug, nearby drains, record of spills or stock losses | N/A |
| 19. | Evidence of debris, waste disposal, lagoons, drums, chemical storage or other indicators of potential contamination sources | None observed within the Site area. |
| 20. | Locations of settlement ponds | N/A |
| 21. | Description and location of services and utilities including on-site septic systems | Underground services present as shown in **Appendix F.** |
| 22. | Identification of electrical transformers/substation/capacitors | None observed within the Site area. |
| 23. | Odours | Strong fermentation odour present within the Manildra/Shoalhaven Starches facility which is normal of their operations. |
| 24. | Visible signs of contamination such as discolouration or staining on the surface of soil or water, bare soil patches - on-site and at site boundaries | None observed within the Site area. |
| 25. | Presence of any stockpiled material, imported soil or fill material as well as any signs of settlement, subsidence or disturbed ground | None identified on the ground surface at the time of inspection. Some areas of imported fill materials identified in test pits. |
| 26. | Vegetation type and extent of cover (e.g. Scattered, sparse, dense, absent, invasive, native) | Agricultural grassland with some scattered vegetation |
| 27. | Condition of vegetation (noting visibly distressed, disturbed or dead vegetation) | No vegetation stress observed throughout the main plant area. Some areas of sprayed (and subsequently dead) grass observed. |

| | ITEM | DESCRIPTION |
|---|---|---|
| 28. | Assessment of soil loss or deposition that has occurred in the past and evaluation of the future erosion potential | None observed. |
| 29. | Visible signs of erosion (on and off-site) | None observed. |
| 30. | Surface water bodies (e.g. Lakes, rivers, streams, wetlands), fresh/marine and distance from site | None observed as surface water bodies, however areas of surface water pondage was present in some areas of the pipeline route and plant area (area had been subject to heavy rain in the lead up to both rounds of fieldwork. |
| 31. | Surface water drainage (e.g. Drainage bores, soak wells, sumps) and run-off and identification of ponding areas (and potential for flooding) | N/A |
| 32. | Direction of flow of water runoff from the site and adjacent properties | N/A |
| 33. | Depth of any standing water, the direction and rate of flow of rivers, streams or canals, together with their flood levels and any tidal inundations | N/A |
| 34. | Surface water and groundwater use on site including rate and location of abstractions (current and historical) | Surface water and groundwater was not used at the Site. |
| 35. | Evidence of possible naturally occurring contaminants | None observed or recorded. |
| 36. | Identification of environmentally sensitive or significant features or habitats | None observed. |
| 37. | Evidence chemical substances have migrated or are likely to have migrated to a neighbouring site and is or is likely to be causing contamination of the neighbouring property | None observed. |
| 38. | Photographs of site and surrounding adjacent land, showing significant features, topography, nature of surface and existing structures) | Refer to photographic log or Site conditions attached (**Appendix E**). |
| 39. | Differences between current site condition and site history | Construction of industrial infrastructure surrounding and adjacent to the proposed Site area, including Paper Mill, Manildra, and former Dairy Farmers |

# 5 Conceptual Site Model (Preliminary)

The ASC NEPM (2013) recommends a tiered approach to risk assessment of ground contamination and the development of an appropriate Conceptual Site Model (CSM). The CSM describes the source(s) of contamination, the pathway(s) by which contaminants may migrate through the various environmental media, and the populations (receptors, human or ecological) that may potentially be exposed.

The following sub-sections outlines the key elements of the CSM subject of this assessment. A CSM is presented in **Table 5-1** with the preliminary Areas of Environmental Concern (pAECs) identified from the Site history and associated Potential Contaminants of Concern (PCoC) and their pathway status.

The CSM is largely associated with the following activities identified through the review of available records supported by the results of the Site inspection:

- Use of potential fill materials underlying proposed $CO_2$ plant Site area;
- Extended use of the Site/adjoining Site areas for industrial purposes with activities such as chemical use / storage, spills;

## Table 5-1: Conceptual Site Model (CSM) – Preliminary

| pAEC & Area | Historical Activities | Source & affected media | PCoC | Pathways | Receptor | Pathway Status | Management Requirement |
|---|---|---|---|---|---|---|---|
| **pAEC01**<br><br>**Proposed Plant Area**<br><br>**~10,600m²** | • Potential fill placement;<br>• Agricultural land use | Soil (near surface and at depth) and / or Fill.<br><br>Groundwater | • Heavy Metals (HM)<br>• Total Recoverable Hydrocarbons (TRH).<br>• Polycyclic Aromatic Hydrocarbons (PAHs).<br>• Benzene, Toluene, Ethylbenzene, Xylene (BTEX).<br>• Phenols;<br>• PCBs<br>• Pesticides (OCP, OPP)<br>• VOCs / SVOCs<br>• Asbestos | • Dermal contact,<br>• Ingestion / inhalation (dust, airborne particles/fibres)<br>• Soil leaching (vertical & horizontal migration),<br>• Surface water runoff,<br>• Connection with shallow groundwater. | • Site users and construction workers,<br>• Soil / fill materials<br>• Downgradient environments & media<br>• Shoalhaven River<br>• Flora and fauna. | Unknown. Requires investigation to determine. | Investigation required. |
| **pAEC02**<br><br>**Pipeline Route**<br><br>**~1,200m²** | • Potential fill placement;<br>• Industrial land use; | Soil (near surface and at depth) and / or Fill.<br><br>Groundwater | • Heavy Metals (HM)<br>• Total Recoverable Hydrocarbons (TRH).<br>• Polycyclic Aromatic Hydrocarbons (PAHs).<br>• Benzene, Toluene, Ethylbenzene, Xylene (BTEX).<br>• Phenols;<br>• PCBs<br>• Asbestos | • Dermal contact,<br>• Ingestion / inhalation (dust, airborne particles/fibres)<br>• Soil leaching (vertical & horizontal migration),<br>• Surface water runoff,<br>• Connection with shallow groundwater. | • Site users and construction workers,<br>• Soil / fill materials<br>• Downgradient environments & media<br>• Shoalhaven River<br>• Flora and fauna. | Unknown. Requires investigation to determine. | Investigation required. |

Where: pAECs is preliminary Area of Environmental Concern, and PCoC is Potential Contaminants of Concern.
Source: based on Table J1, Appendix J, in AS4482.1 (2005).

# 6 Site Assessment Criteria (SAC)

ENRS have adopted the most appropriate criteria in accordance with current state and national guidelines. Where available, Australian and NSW EPA endorsed guidelines have been referenced in preference to international standards.

## 6.1 National Environment Protection Measure (NEPM)

The NSW EPA has endorsed the use of the Health Investigation Levels (HILs) documented in the National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1) 'Schedule B (1) Guideline on the Investigation Levels for Soil and Groundwater'. The NEPM provide a framework for risk-based assessment of soil and groundwater contamination. HILs are provided for four (4) land use categories:

Table 6-1: Summary of NEPM Land Use Categories

| NEPM | Description of land use categories |
|---|---|
| HIL A | Residential A with garden/accessible soil also includes children's day care centres, preschools and primary schools. |
| HIL B | Residential B with minimal opportunities for soil access; includes buildings with fully and permanently paved yard space such as high-rise buildings and apartments. |
| HIL C | Recreational C includes public open space such as parks, playgrounds, playing fields (e.g. ovals), secondary schools and unpaved footpaths. |
| **HIL D** | **Commercial/industrial D includes premises such as shops, offices, factories and industrial sites.** |

Given the Site proposal is for the construction of a $CO_2$ Processing Plant the relevant **Site Assessment Criteria is HIL 'D'** for commercial/industrial land use. The SAC are summarised in **Table 6-2**.

- In addition to the HILs the amended ASC NEPM (2013) provides the following Site Assessment Criteria (SAC):
- Management Limits for petroleum hydrocarbon compounds (Table 1 B (7));
- Health Screening Levels (HSLs) potential vapour intrusion (Table 1A [4]) should be selected based on the; land use; medium (sand, silt, clay); and depth.
- Groundwater Investigation Levels (GILs) should be applied based on the receiving environment and groundwater resources. GILs are provided in NEPM Table 1C for; Fresh Waters; Marine Waters; and Drinking Water; and
- Ecological Investigation Levels (EILs) and Ecological Screening Levels (ESLs) for common contaminants in the top 2m of soil based on three (3) generic land use settings; areas of ecological significance; urban residential areas and public open space; and commercial and industrial land uses.

Table 6-2: Site Assessment Criteria for Commercial/Industrial Land Use

| Parameters | | Units | NEPM HIL 'D' | HIL 'D' Management Limits | Maintenance Worker |
|---|---|---|---|---|---|
| **Polycyclic Aromatic Hydrocarbons** | Naphthalene | mg/Kg | - | - | 29,000 E |
| | BaP TEQ | mg/Kg | 40 | - | - |
| | Total PAHs | mg/Kg | 400 | - | - |
| **Metals & Metalloids** | Arsenic | mg/Kg | 3,000 | - | - |
| | Cadmium | mg/Kg | 900 | - | - |
| | Chromium | mg/Kg | 3,600 | - | - |
| | Copper | mg/Kg | 240,000 | - | - |
| | Lead | mg/Kg | 1,500 | - | - |
| | Mercury | mg/Kg | 730 | - | - |
| | Nickel | mg/Kg | 6,000 | - | - |
| | Zinc | mg/Kg | 35,000 | - | - |
| **Phenolics** | T.Phenols | mg/Kg | 240,000 | - | - |
| **BTEX** | Benzene | mg/Kg | - | - | 1,100 E |
| | Toluene | mg/Kg | - | - | 120,000 E |
| | Ethyl benzene | mg/Kg | - | - | 85,000 E |
| | m+p-Xylene | mg/Kg | - | - | 130,000 E |
| | o-Xylene | mg/Kg | - | - | 130,000 E |
| **Total Recoverable Hydrocarbons** | F1 TRH C6-C10 | mg/Kg | - | 700 | 82,000 E |
| | F2 TRH C10-C16 | mg/Kg | - | 1,000 | 62,000 E |
| | F3 TRH C16-C34 | mg/Kg | - | 3,500 | 85,000 E |
| | F4 TRH C34-C40 | mg/Kg | - | 10,000 | 120,000 E |
| **Pesticides** | DDT+DDE+DDD | mg/Kg | 3,600 | - | |
| | Aldrin and dieldrin | mg/Kg | 45 | - | |
| | Chlordane | mg/Kg | 530 | - | |
| | Endosulfan | mg/Kg | 2,000 | - | |
| | Endrin | mg/Kg | 100 | - | |
| | Heptachlor | mg/Kg | 50 | - | |

A NEPM (2013) Health Investigation Levels for soil contaminants Table 1A (1).
B NEPM (2013) Soil EILs Table 1B (5).
C NEPM (2013) Management limits for TRH compounds in FINE soil Table 1 B(7).
D NEPM (2013) Ecological Screening Levels (ESL) for TRH, BTEX & BaP compounds in soil Table 1 B(6).
E CRC Care (2011) Technical Report No.10 (Table A4 Soil Health Screening Levels for Direct Contact)

The ASC NEPM (2013) also provides Health Screening Levels for vapour intrusion in soil which should be considered based on the depth of soil and composition of soil medium. A summary of the adopted SAC for vapour intrusion is provided in **Table 6-3**.

Table 6-3: Health Screening Levels (HSL) for Soil Vapour Intrusion

| NEPM D (mg/kg) | | Benzene | Toluene | Ethyl benzene | m+p-Xylene | o-Xylene | Naphthalene | F1 C6-C10 | F2 >C10-C16 | F3 >C16-C34 |
|---|---|---|---|---|---|---|---|---|---|---|
| SAND | 0-1m | 3 | - | - | 230 | 230 | - | 260 | - | - |
| | 1-2m | 3 | - | - | - | - | - | 370 | - | - |
| | 2-4m | 3 | - | - | - | - | - | 630 | - | - |
| | >4m | 3 | - | - | - | - | - | NL | - | - |
| SILT | 0-1m | 4 | - | - | - | - | - | 250 | - | - |
| | 1-2m | 4 | - | - | - | - | - | 360 | - | - |
| | 2-4m | 6 | - | - | - | - | - | 590 | - | - |
| | >4m | 10 | - | - | - | - | - | NL | - | - |
| CLAY | 0-1m | 4 | - | - | - | - | - | 310 | - | - |
| | 1-2m | 6 | - | - | - | - | - | 480 | - | - |
| | 2-4m | 9 | - | - | - | - | - | NL | - | - |
| | >4m | 20 | - | - | - | - | - | NL | - | - |

Source: adapted from ASC NEPM (2013) Table 1A(3)

### 6.1.1 Aesthetic Criteria

Aesthetic considerations relate to the presence of low-concern or non-hazardous inert foreign material (refuse) in soil or fill resulting from human activity. The ASC NEPM (2013) Schedule B (1) Guideline on the Investigation Levels for Soil and Groundwater advises that no numeric Aesthetic Guidelines exist; aesthetic limitations to land use is a relatively subjective determination, more-so for sensitive land use. However, the Site assessment process requires a balanced consideration of the quantity, type and distribution of foreign material or odours in relation to the specific land-use and its sensitivity. Assessment considerations include:

- Soils containing residue from animal burial;
- Chemically discoloured soils or large quantities of various types of inert refuse, particularly if unsightly, may cause ongoing concern to site users;
- The depth of the materials, including chemical residues, in relation to the final surface of the site;
- The need for, and practicality of, any long-term management of foreign material; and
- Caution should be used for assessing sensitive land uses, such as residential, when large quantities of various fill types and demolition rubble are present.

### 6.1.2 Asbestos in Soil Criteria

The ASC NEPM (2013) Schedule B2 - Guideline on site characterisation documents Health Screening Levels (HSLs) for asbestos levels in soil adopted from the Western Australian Guidelines for the Assessment Remediation and Management of Asbestos contaminated sites in Western Australia (WA DOH, 2009) and updated 2021. The Guidelines only apply to asbestos materials in

soils, they do not apply to asbestos or asbestos containing materials present in buildings, structures, functional pipelines etc. The NEPM guidelines define three (3) primary forms of asbestos in soil:

- Asbestos Containing Material (ACM) – non-friable matrix material generally observed as stable fragments in soil unless subjected to aggressive disturbance, prolonged saturation or fire;
- Fibrous Asbestos (FA) – friable and fibrous material. Friable asbestos materials are those that can be crumbled, pulverised or reduced to powder by hand pressure when dry; and
- Asbestos Fines (AF) – sub-7mm material including free fibre. Respirable asbestos fibres are generally greater than five micrometres long and no wider than 3 micrometres.

Table 6-4: Health Screening Levels for Asbestos Contamination in Soil (ASC NEPM 2013)

| Form of asbestos | Health Screening Level (HSL) (w/w%) | | | |
|---|---|---|---|---|
| | Residential A[1] | Residential B[2] | Recreational C[3] | Commercial/ Industrial D[4] |
| Bonded ACM (non-friable) | 0.01% | 0.04% | 0.02% | 0.05% |
| FA and AF[5] (friable asbestos) | 0.001% | | | |
| All forms of asbestos | No visible asbestos for surface soil | | | |

1. Residential A with garden/accessible soil also includes children's day care centres, preschools and primary schools.
2. Residential B with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high-rise buildings and apartments.
3. Recreational C includes public open space such as parks, playgrounds, playing fields (e.g. ovals), secondary schools and unpaved footpaths.
4. Commercial/Industrial D includes premises such as shops, offices, factories and industrial sites.
5. *The screening level of 0.001% w/w asbestos in soil for FA and AF (i.e. non-bonded/friable asbestos) only applies where the FA and AF are able to be quantified by gravimetric procedures (refer Section 4.10). This screening level is not applicable to free fibres.*

Source: adapted from (NEPC, 2013) Schedule B1 - Table 7.

## 6.2 Waste Classification Criteria

Liquid and non-liquid waste designated for disposal shall be assessed in accordance with the NSW EPA Waste Classification Guidelines (EPA;2014) and Addendum 1 (EPA;2016) which documents values for classifying waste by chemical assessment for PFAS. Guidelines are defined for the specific contaminant concentration (SCC) and the toxicity characteristics leaching procedure (TCLP). To establish soil waste classification using both SCC and TCLP, the test values for each chemical contaminant must be compared with the threshold values set in Table 2 of the guidelines.

Where asbestos is identified the standard waste classification with regard to chemical impact is overridden by the presence of asbestos, which triggers the material to be classified as Special Waste – Asbestos Waste. The secondary (chemical) waste classification is still required to ensure the receiving facility can accept the waste under the provisions of their environmental protection licence. A summary of the classification criteria is provided in **Table 6-5**.

Table 6-5: Waste Classification Criteria

| Classification | SCC Value | TCLP Value |
|---|---|---|
| General solid waste | ≤ SCC1 | ≤ TCLP1 |
| Restricted solid waste | ≤ SCC2 | ≤ TCLP2 |
| Hazardous waste | > SCC2 | > TCLP2 |
| Special Waste – Asbestos Waste | Positive Detection for Asbestos | |

### 6.3 Water Quality Guidelines

Nationally developed guidelines are provided in the National Water Quality Management Strategy (NWQMS): Guidelines for Groundwater Protection in Australia (ARMCANZ & ANZECC;2013). The relevant criteria to protect environmental values are provided in **Table 6-6**:

Table 6-6: Water Quality Assessment Criteria

| Environmental Value | Relevant Guideline |
|---|---|
| Ecosystems / Health Screening Levels | • ANZG (2018) (Australian and New Zealand Guidelines for Fresh and Marine Water Quality);<br>• ASC NEPM (2013); and<br>• Health Screening Levels for Petroleum Hydrocarbons in Soil & Groundwater (CRC CARE, Sept. 2011) |
| Drinking Water | • Australian Drinking Water Guidelines (ADWG) |
| Recreational Use | • GMRRW (NHMRC 2008) |
| Agriculture (irrig. & stock) | • AWQG (Irrigation & Stock water guidelines ANZECC 2000); |
| Effluent Irrigation | • Environmental Guidelines (NSW EPA 2004) |

## 7 Data Quality Objectives (DQO)

If sampling is conducted, Data Quality Objectives (DQO) are required to define the quality and quantity of data needed to support management decisions. The process for establishing DQO's is documented in the National Environment Protection (Assessment of Site Contamination) Measure (NEPC;2013).

### 7.1 Step 1: State the problem

The Site is currently undergoing the planning & approvals for the development of a $CO_2$ Processing Plant under the State Significant Development pathway. The Site history review and Site inspections have identified two (2) preliminary AECs as documented in **Section 5**. The pAECs are required to be investigated to assess if the Site is suitable or can be made suitable for the proposed land use to meet the requirements of Resilience and Hazards SEPP.

### 7.2 Step 2: Identify the decision/goal of the study

The primary goals / objectives of the investigation program were to:

- Through on-site investigations, sampling and analysis, characterise the type, extent, and level of contamination at the site, if any.
- Provide a statement regarding the suitability of the site for the proposed future land-use as required by the Resilience and Hazards SEPP; and
- Provide recommendations for further investigations, remediation or site management, as required.

## 7.3 Step 3: Identify the information inputs

The sample results for the Potential Contaminants of Concern (PCoC) shall be used to inform decisions regarding the Site suitability for the proposed land use, and the requirement for any further investigation, remediation or site management works, as necessary. The following inputs are required:

- Representative samples of potentially affected media including soil/fill;
- Measurements of environmental parameters in the affected media for PCoC identified in the CSM;
- Comparison of the parameter results against the adopted Site Assessment Criteria (SAC);
- Record of sampling methods, observations and field screening results and ground investigation logs; and
- The completion of a Detailed Site Investigation report in general accordance with the NSW EPA (2020) guidelines for consultants reporting on contaminated land to support an assessment of the Site suitability.

## 7.4 Step 4: Define the study boundaries

The investigation was undertaken within the defined Site which covered several part lots (Lot 143 DP1069758, Lot 4 DP610696, Lot 3 Sec 1 DP3885, Lot 1 DP605942, Lots 5 and 6 DP621040, Lot 1 DP544730) and the main processing site at Lot A DP384559. Site works and lot boundaries are delineated in **Figure 17-1**.

## 7.5 Step 5: Develop the analytical approach (decision rule)

The site information and results obtained from this assessment scope will be compared against the adopted SAC in **Section 6** for the proposed land use. The decision rule process is defined by the following:

- Field QA/QC indicate the results are reliable;
- Laboratory QA/QC indicate the results are reliable;
- Laboratory Practical Quantitation Limits (PQL) or Limits of Reporting (LOR) are less than the SAC; and
- Results meet the adopted SAC and/or are within background levels and regulatory criteria.

## 7.6 Step 6: Specify performance or acceptance criteria

To ensure the quality of the environmental data collected during the assessment, detailed quality assurance and quality control (QA/QC) measures will be applied. The QA/QC measures will be followed from the inception of the project, during intrusive fieldworks, laboratory analysis of samples and data reporting. The QAQC measures to be adopted are documented in detail below within **Table 8-1**.

## 7.7 Step 7: Develop the plan for obtaining data

The seventh and final step involves identifying the most effective sampling and analysis design for generating the data that is required to satisfy the data quality objectives. The proposed investigation sampling program is based on and accounts for the following key points:

- The PCoCs as documented in the initial Conceptual Site Model (CSM) documented in **Section 5**;
- The source of the PCoCs;
- Sample quantity and density in general accordance with industry standards and EPA guidelines;
- The results will be compared against the adopted SAC for the proposed land use.

The indicators (DQI) used to identify that data obtained during the DSI scope of works has been done so in a way which meets project data quality objectives (DQO) summarised below.

Table 7-1: Summary of Data Quality Objectives (DQO)

| DQO | Evaluation Criteria |
|---|---|
| Documentation completeness | • Completion of field records, chain of custody documentation, laboratory test certificates from NATA-accredited laboratories. |
| Data comparability | • Use of appropriate techniques for the sampling, storage and transportation of samples. Use of NATA accredited laboratory using NEPM endorsed procedures. |
| Data representativeness | • Adequate sampling coverage of all Areas of Environmental Concern (AECs) at the Site, and selection of representative samples. |
| Precision and accuracy for sampling and analysis | • Use properly trained and qualified field personnel and achieve laboratory QC criteria.<br>• Blind field duplicates to be collected at a minimum rate of 1 in 20 samples.<br>• RPD's to be less than 30% for inorganic and 50% for organic analyses.<br>• Rinsate samples not considered necessary as all PCoC measured by the lab were assumed to be present at the site.<br>• Disposable single use items used for the collection of samples. |

# 8 Sampling and Analysis Plan (SAP)

The outcomes of this Site history appraisal and assessment identified requirements for soil and groundwater sampling to investigate the potential for contamination associated with the pAEC outlined in **Table 5-1**.

The objective of a sampling and analysis quality plan is to provide the context, justification and details of the selected sampling and analysis approach. The 'sampling and analysis quality plan' has a critical role in ensuring that the data collected is representative and provides a robust basis for site assessment decisions, as indicated in Schedule B2 - Guideline on Site Characterisation, of the ASC NEPM.

## 8.1 Soil Sample Locations

Soil sample locations were selected with consideration of the ASC NEPM (2013) Schedule B2 Section 6, guidelines on Sampling Design (NEPC;2013) and the NSW EPA (2022) contaminated land guidelines, sampling design part 1 – application. Based on the total Site area of ~11,800$m^2$ the relevant sample density guidelines provided in Table 2 of the NSW EPA (2022) Sample Design Guidelines require a minimum of twenty-five (25) sampling points for characterization based on

circular hotspots. Based on their documented Site history and differing characteristics ENRS assessed each preliminary AEC individually. A combination of grid based, systematic and judgemental (targeted) sampling was applied to the identified preliminary Areas of Environmental Concern (AEC). A total of thirty-three (33) sample locations were installed across the Site, twenty-five (25) in pAEC01 (minimum density) and eight (8) in pAEC02 (minimum density) which was considered adequate.

Sampling locations were limited to accessible areas at the time of this investigation based on Site infrastructure, surface conditions, services and budget. Test Pit locations are depicted in **Figure 17-2** and **Figure 17-3**. Final sample locations were selected in the field with consideration of the following criteria;

- Target AECs;
- Investigate areas of potential Fill and stockpiles;
- Down-gradient and up-gradient boundaries;
- Where appropriate, grid-based sample plan to provide a systematic assessment of AEC area;
- Accessible ground and safe standing conditions for ground works; and
- Safe working distance from services and utilities.

### 8.1.1 Certified Survey

Test pit/sample locations were recorded in the field with handheld GPS.

## 8.2 Test Pit and Borehole Excavation

Test pit investigations were undertaken with a mechanical excavator and advanced until refusal, maximum depth accessible for plant, the target depth was achieved, or excavations reached ~0.5 m below depth of encountering natural ground. The investigation methods were considered adequate to identify potential hotspots or AECs and characterise ground conditions. Sample locations are provided in **Figure 17-2** and **Figure 17-3**.

### 8.2.1 Soil Sample Method

Samples were collected in general accordance with the NSW EPA Contaminated Land Guidelines: Sampling Design Part 1 – Application, and the National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1).

Soil logging procedures followed a systematic and standardised format providing a classification of the soil group based on particle size and structure. Field observations were conducted to detect potential soil contamination, if any, and to distinguish between soil composition, condition and structure.

### 8.2.2 Asbestos in Soil

Samples for asbestos materials were obtained by a SafeWork Licenced Asbestos Assessor (LAA) in general accordance with NEPM (2013) Schedule B2, Section 11, Assessment of asbestos in soil contamination.

### 8.2.3 Bonded ACM and AF

Where increased levels of soil moisture did not prevent sieving, samples were collected applying the following methods:

- At least one minimum 10 L sample from each relevant stratum (or per 1 m depth for thick units) for test pits, trenches and core from boreholes and additional samples from any suspect spots;
- Individual samples (minimum of 10 L) were manually screened on-site through a 7 mm sieve and the material retained on the sieve examined for any bonded ACM and/or suspect material;
- For heavy soils (e.g. clay soils), the samples were gently disaggregated by spread out on a suitable contrasting colour material to determine the amount of bonded ACM present (if any);
- If visible FA material was present or suspected, the soil was wetted to minimise the release of fibres and the sample spread out for inspection on a contrasting colour material, to identify suspect material;
- Identified bonded ACM and FA (and suspect materials assumed to contain asbestos, if any) was weighed for each sample and documented to assist with calculating asbestos soil concentration;
- Materials suspected of containing asbestos (if any), were forwarded for laboratory analysis in accordance with AS 4964-2004.

### 8.2.4 AF Sampling

Samples were collected applying the following methods:

- Sampling conducted to 30 cm below the likely limit of potential contamination or to the likely maximum depth of disturbance; and
- At least one wetted 500 ml sample from each relevant stratum (or per 1 m depth for thick units) for test pits, trenches and core from boreholes and additional samples from suspect spots should be submitted for laboratory analysis.

## 8.3 Soil Sampling Depths

Sample depths were selected with consideration of ground conditions observed during investigations. Samples were obtained near the surface and at 0.5m intervals or as defined by changes in ground conditions triggered by Site observations. Generally, test pits were advanced until the target depth was achieved, or natural ground was encountered. This was considered sufficient to assess ground conditions at the Site. A maximum investigation depth of 1.5m BGL was reached during soil investigations for this scope of works.

## 8.4 Sample Preservation

All samples were collected in general accordance with industry standard QA/QC procedures. Soil samples were collected with disposable sterile gloves and placed directly into laboratory supplied 250 mL jars and immediately stored on ice. Sample containers were individually labelled with sample identification clearly marked on the container and sealed lid.

## 8.5 Selection of Samples for Analysis

Samples were selected for analysis based on the stratigraphic conditions to identify any apparent contamination and define soil conditions vertically and laterally. Not all samples collected were analysed. ENRS note that samples ES2525360-063 to ES2525360-086 from ALS workorder

ES2525360 are excluded from this DSI as they were located within a previous revision of the proposed pipeline route. Selected samples subject to this scope of works are presented in **Table 17-1** and **Table 17-2**.

Where applicable, if elevated concentrations were reported in a sample, additional samples from adjoining or underlying locations analysed to further determine the extent of contamination. All other samples not selected for analysis were placed on hold in a refrigerated environment for subsequent analysis, if required.

A summary of the sample analysis program is provided within the laboratory Chain of Custody (COC) documentation provided in **Appendix A**. The sample program was considered adequate to identify and characterise any potential contamination at the Site.

## 8.6 QAQC

The Quality Assurance and Quality Control (QA/QC) protocols for the sample program are summarised in **Table 8-1**.

Table 8-1: Summary of QAQC for Sample Program

| Protocol | Description |
|---|---|
| Sampling Team | Site personnel comprised only experienced and qualified environmental professionals trained in conducting contaminated site investigations. Site investigations were conducted by Christopher Allen (BSc, SafeWork NSW LAA001457) & Eloise Mounsey (BSc). |
| Sample Method | Samples obtained in laboratory prepared containers with preservatives appropriate for the required analysis. |
| Calibration | Equipment calibration certificates for each sampling event. |
| Sample Equipment & Field Decontamination | Where possible, preference was given to Single use, disposable sampling equipment. Where decontamination of sampling equipment was required, wet and dry methods were implemented in accordance with the Code of Practice, such as washing with phosphate-free detergent followed by rinsing with potable water.<br>All sample equipment was either disposed or decontaminated between sample sites. |
| Field Screening | Visual and manual inspection of sample materials for potential contamination recorded on field sheets. |
| Chain of Custody Forms | All samples logged and transferred under appropriately completed Chain of Custody (COC) forms with Sample Receipts issued by the laboratory. |
| Blind Field Duplicate | At least one (1) blind field duplicate collected per 20 samples and submitted for analysis accompanied by COC forms. |
| Intra Laboratory duplicate/triplicate | At least 1 per 20 samples analysed by a 3rd party laboratory for batches >20 samples. |
| Trip blank/spike | At least 1 Trip Blank/Spike per event where practical within project timing and budget restraints. |

# 9 Results (Field & Analytical)

The following sections present the results of the DSI program incorporating test pits excavated on the 13th and 14th August 2025 and the 17th and 18th February 2026.

## 9.1 Stratigraphic Conditions

In areas of the Site where natural soil profiles were encountered, investigations by ENRS (2025 & 2026) encountered brown silty sands (topsoil) overlying brown to tan sandy clays to a maximum investigation depth of 1.5 metres below ground level (mBGL) which was consistent with the mapped soil landscape & geology. In areas of the Site where historic filling had occurred, investigations encountered silty sands (topsoil) overlying shallow fill layers (<0.5m in depth) which generally comprised fly ash/slag or reworked sandy clay. In these instances, fill layers were underlain by brown-tan sandy clays.

## 9.2 Results (Soil Chemistry)

Laboratory Certificates of Analysis (COA) results are contained in **Appendix A**. Upon receipt the results were tabulated and compared against the adopted SAC to identify any exceedance or AECs. A summary of soil results is provided in **Table 17-1**.

### 9.2.1 Benzene Toluene Ethylbenzene Xylene (BTEX)

BTEX compounds are volatile compounds commonly found in petroleum products and are typically found together at contaminated sites.

Results for BTEX were reported at concentrations below the laboratory Limit of Reporting (LOR) and/or the project Site Assessment Criteria (SAC). The results were considered satisfactory.

### 9.2.2 Total Recoverable Hydrocarbons (TRH)

Laboratory testing was conducted for light fraction (C6-10) and heavy fraction (C10-40) Total Recoverable Hydrocarbons (TRH). Light fractions are generally associated with petrol whilst middle to heavy fractions are an indication of diesel or kerosene.

Results for both light fraction and heavy fraction hydrocarbons were reported at concentrations below the laboratory Limit of Reporting (LOR) and/or the project Site Assessment Criteria (SAC). The results were considered satisfactory.

### 9.2.3 Polycyclic Aromatic Hydrocarbons (PAHs)

Polycyclic Aromatic Hydrocarbons (PAHs) are formed by the incomplete combustion of coal, oil, petrol, wood, or other organic materials. Major sources of PAHs include asphalt roads, road tar, coal, coal tar, and fires of all types.

Results for PAHs were reported at concentrations below the laboratory LOR and/or the project SAC. The results are considered satisfactory.

### 9.2.4 Heavy Metals and Metalloids

Screening was conducted for eight (8) selected heavy metals and metalloids including arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc.

Results for heavy metals were reported at concentrations below the laboratory LOR and/or the project SAC. The results were considered satisfactory.

### 9.2.5 Organochlorine Pesticides (OCPs)

OCPs are characteristically very stable. Since they were first introduced into Australia in the mid-1940s, OCPs have been used in many commercial products. Commonly used OCPs were DDT, lindane, chlordane, dieldrin, aldrin and heptachlor.

Results for OCPs were reported at concentrations below the below the laboratory LOR and/or the project SAC. The results were considered satisfactory.

### 9.2.6 Organophosphate Pesticides (OPPs)

OPPs are synthetic, more water soluble and have higher degradation rates than OCPs. OPPs may interfere with the nervous system and cause development or reproductive harm, as well as endocrine disruption.

Results for OPPS were reported at concentrations below the laboratory LOR and/or the project SAC. The results were considered satisfactory.

### 9.2.7 Phenols

Phenols are present in a arrange of industrial and household products including disinfectants, fertilisers, explosives, paints and paint removers, drugs, pharmaceuticals, textiles and charcoal. Phenol may be found at Service Station sites associated with waste oil, kerosene and diesel.

Results for phenols were reported at concentrations below the laboratory LOR and/or the project SAC. The results were considered satisfactory.

### 9.2.8 Polychlorinated Biphenyls (PCBs)

PCBs are persistent organic pollutants often used as coolants amongst other applications due to their longevity.

Results for PCBs were reported at concentrations below the laboratory LOR and/or the project SAC. The results were considered satisfactory.

### 9.2.9 Volatile & Semi-Volatile Organic Compounds (VOCs/SVOCs)

Volatile Organic Compounds (VOCs) are a group of chemicals that readily evaporate at ambient temperatures and can significantly impact soil, groundwater, and air quality. They are commonly associated with industrial activities, fuel handling, and solvent use. Analysis was conducted for Monocyclic Aromatic Hydrocarbons, Oxygenated Compounds, Sulfonated Compounds, Fumigants, Halogenated Aliphatic Compounds, Halogenated Aromatic Compounds and Trihalomethanes.

Results for VOCs/SVOCs were reported at concentrations below the laboratory LOR and/or the project SAC. The results were considered satisfactory.

### 9.3 Results (Asbestos in Soil)

Screening for asbestos was conducted in the field by the LAA during site investigations and sampling:

- No asbestos containing materials were observed during Site works;
- No indicators of building waste or uncontrolled fill (as indicators for the potential presence of asbestos containing materials).
- No historical buildings or structures were identified within the Site during a review of historical aerial imagery; and
- Test pits encountered primarily natural soil profiles.

In addition to field screening, thirty-six (36) soil samples were submitted to a NATA accredited laboratory for analysis. All samples reported no asbestos detected. The results were considered satisfactory.

## 10 Quality Assurance/Quality Control Data Evaluation (QAQC)

### 10.1 Field Sampling QAQC

The soil sample program was completed in general accordance with the ASC NEPM (2013) and the NSW EPA (2022) contaminated land guidelines, sampling design part 1 – application.

The QAQC procedures and indicators for field sampling procedures are summarised in **Table 10-1**.

Table 10-1: Sampling QAQC Procedures

| QAQC Indicator | Completeness | Comparability | Representativeness | Precision | Accuracy | Status | | | Procedures and performance |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Yes | No | N/A | |
| Details of sampling team | X | X | | | | ☒ | ☐ | ☐ | Tertiary qualified, LAA, consistent team. |
| Reference to sampling plan/method, including any deviations from it – sampling and analysis quality plan | X | | | | | ☒ | ☐ | ☐ | Sampling in accordance with ASC NEPM (2013). |
| Any information that could be required to evaluate measurement uncertainty for subsequent testing (analysis) | | | | X | X | ☒ | ☐ | ☐ | Field sampling records and chain of custody completed in full. |

| QAQC Indicator | Completeness | Comparability | Representativeness | Precision | Accuracy | Status | | | Procedures and performance |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Yes | No | N/A | |
| Decontamination procedures carried out between sampling events | | | X | X | X | ☒ | ☐ | ☐ | Wet and dry methods in accordance with the code of practice. Equipment such as decontaminated between samples by washing with phosphate free detergent followed by rinsing with potable water. Re-use of sampling equipment was avoided, where possible. Single use deposable sampling equipment was the preferred method. |
| Logs for each sample collected, including date, time, location (with GPS coordinates if possible), sampler, duplicate samples, chemical analyses to be performed, site observations and weather/environmental (i.e. surroundings) conditions. Include any diagrams, maps, photos. | | X | X | | | ☒ | ☐ | ☐ | Test pit and excavation logs document sample intervals and locations. |
| Chain of custody fully identifying – for each sample – the sampler, nature of the sample, collection date, analyses to be performed, sample preservation method, departure time from the site and dispatch courier(s) (where applicable) | X | X | | | | ☒ | ☐ | ☐ | COC's completed in full. |
| Field quality assurance/quality control results (e.g. field blank, rinsate blank, trip blank, laboratory prepared trip spike) | | | | X | X | ☒ | ☐ | ☐ | Field QAQC analysed for chemical samples – field duplicate and trip blank. |

| QAQC Indicator | Completeness | Comparability | Representativeness | Precision | Accuracy | Status Yes | Status No | Status N/A | Procedures and performance |
|---|---|---|---|---|---|---|---|---|---|
| Sample splitting techniques – subsampling, containers/preservation (ensure unique ID for subsequent samples provided) | | | X | | | ☒ | ☐ | ☐ | Samples obtained in laboratory prepared sample containers appropriate for the analytes. |
| Statement of duplicate frequency | | | X | X | | ☒ | ☐ | ☐ | Blind field duplicates collected at 1/20 frequency |
| Background sample results | X | X | | | | ☒ | ☐ | ☐ | Reviewed against previous investigation results. |
| Field instrument calibrations (when used) | | | | X | X | ☒ | ☐ | ☐ | Calibrated to manufactures specifications prior to commencement of sampling program. |
| Sampling devices and equipment | X | X | | | | ☒ | ☐ | ☐ | Manual sampling with decontamination procedures and disposable equipment. |
| A copy of signed chain-of-custody forms acknowledging receipt date, time and temperature and identity of samples included in shipments | X | X | | | | ☒ | ☐ | ☐ | COC's completed in full, final records from NATA laboratory attached to CoAs. |

## 10.2 Laboratory QAQC

The QAQC procedures and indicators for laboratory analysis procedures are summarised in **Table 10-2**.

Table 10-2: Laboratory QAQC procedures

| QAQC Indicator | Completenes | Comparability | Representativ | Precision | Accuracy | Status Yes | Status No | Status N/A | Procedures and performance |
|---|---|---|---|---|---|---|---|---|---|
| A copy of signed chain-of-custody forms acknowledging receipt date, time and temperature and identity of samples included in shipments | X | X | | | | ☒ | ☐ | ☐ | All samples were logged and transferred under appropriately completed Chain of Custody Forms. |

| QAQC Indicator | Completenes | Comparability | Representativ | Precision | Accuracy | Status: Yes | Status: No | Status: N/A | Procedures and performance |
|---|---|---|---|---|---|---|---|---|---|
| Record of holding times and a comparison with method specifications | X | X | | | | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |
| Analytical methods used, including any deviations | X | X | | | | ☒ | ☐ | ☐ | Recorded in the CoA. |
| Laboratory accreditation for analytical methods used, also noting any methods used which are not covered by accreditation | X | | | X | | ☒ | ☐ | ☐ | Recorded in the CoA. |
| Laboratory performance for the analytical method using inter-laboratory duplicates | | X | | | X | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |
| Surrogates and spikes used throughout the full method process, or only in parts. Results are corrected for the recovery | X | X | | | | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |
| A list of what spikes and surrogates were run with their recoveries and acceptance criteria (tabulate) | | X | | | X | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |
| Practical quantification limits (PQL) | X | X | | | | ☒ | ☐ | ☐ | Recorded in the CoA. PQLs <SAC. |
| Reference laboratory control sample (LCS) and check results | X | | | | | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |
| Laboratory duplicate results (tabulate) | X | | | | X | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |
| Laboratory blank results (tabulate) | X | | | | X | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |
| Results are within control chart limits | X | | | | | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |
| Evaluation of all quality assurance/control information listed above against the stated data quality objectives, including a quality assurance/control data evaluation | X | X | X | X | X | ☒ | ☐ | ☐ | Records documented in the laboratory QAQC report attached to CoA. |

## 10.3 QAQC Discussion

A summary of the Data Quality performance and evaluation is summarised in **Table 10-3** below:

Table 10-3: QAQC and Data Evaluation Summary

| Objective | Performance | Status |
|---|---|---|
| Documentation completeness | • Completion of field records;<br>• Chain of Custody (COC) documentation;<br>• Calibration certificates for equipment;<br>• NATA Laboratory Sample Receipt Notification (SRN); and<br>• NATA laboratory Certificate of Analysis (COA).<br>• Sample Location Plans.<br>• Test Pit / Borehole logs. | ✓ |
| Precision & accuracy for sampling & analysis | • Use only trained and qualified field personnel;<br>• Calibration certificates for field equipment;<br>• Appropriate sampling and field techniques;<br>• Decontamination procedures;<br>• Achieve laboratory QC criteria; and<br>• Achieve QAQC requirements for RPDs and Recovery | ✓ |
| Identify Anomalies | • No elevated results not expected by the CSM;<br>• No labelling or sample management errors;<br>• No laboratory analyses or reporting errors | ✓ |
| DATA completeness | • Sampling density comparison meets NSW EPA (2022) 'Sampling Design Guidelines' for or all potential contaminants of concern at all areas of environmental concern; and<br>• Systematic and judgemental sampling to provide sufficient data representative of all AECs. | ✓ |
| Data comparability | • Use of appropriate techniques for the sampling, storage and transportation of sample media;<br>• Use of NATA certified laboratory using NEPM endorsed procedures; and<br>• Comparison with previous site information, if any. | ✓ |
| Data representative ness | • Adequate sampling coverage of Site area, AEC's, down gradient and upgradient boundaries;<br>• Selection of representative samples from each sampling location; &<br>• Analysis for PCoC.<br>• Achieve laboratory QC criteria.<br>• Achieve QAQC requirements for RPDs and Recovery. | ✓ |

The laboratory was NATA accredited, and the Practical Quantitation Limits (PQL) also referred to as Limits of Reporting (LOR) were generally within the acceptable levels for the investigation criteria.

Laboratory certificates of analysis provided in **Appendix A** indicate that for the samples collected during the scope of works, sampling techniques, transport procedures and laboratory analysis were satisfactory. Analysis of Relative Percent Differences (RPD) were generally reported below the required RPD control limit threshold of 30% for results > 10x laboratory LOR as documented within

the acceptance criteria documented in DQO **Table 7-1**. No variations were reported outside the accepted criteria.

In summary, the QA/QC indicators all complied with the required standards or showed variations that would have no significant effect on the quality of the data or the conclusions of this assessment. Based on the following conclusions it is therefore determined that, for the purposes of this study, the QA/QC results are valid, and ***the quality of the data is acceptable for use in this assessment:***

- The data was representative of site conditions;
- The data was complete with comprehensive records available from all field work undertaken, and all areas of concern sampled and analysed;
- The data was comparable for samples analysed at different times, and consistent with field observations; and
- The data was precise and accurate based on the laboratory achievement of relevant quality control criteria.

# 11 CSM (Refined)

Based on the available data and the results of the DSI program, a refined Conceptual Site Model (CSM) is presented in **Table 11-1** and **Section 11.1** and **11.2**. The reader is advised that the numbering of the refined AECs below replaces any previous preliminary AECs.

## 11.1 pAEC01

pAEC01 comprised the proposed $CO_2$ Plant area and was included in the preliminary Conceptual Stie Model due to the potential for ground contamination associated with the possible use of fill materials or contamination risks associated with long-term agricultural land use such as spills or herbicide/pesticide application.

All samples from pAEC01 reported concentrations of potential contaminants below the adopted NEPM 'D' Site Assessment Criteria. Additionally, no visual or olfactory indicators of contamination were observed during Site inspections or test pit excavation.

Ground conditions with pAEC01 are considered suitable for the proposed residential development and it is recommended that the pAEC is removed from the revised CSM.

## 11.2 pAEC02

pAEC02 comprised the proposed pipeline route and was included in the preliminary Conceptual Stie Model due to the potential for ground contamination associated with the possible use of fill materials or contamination risks associated with long-term adjoining agricultural and industrial land use.

All samples from pAEC02 reported concentrations of potential contaminants below the adopted NEPM 'D' Site Assessment Criteria. Additionally, no visual or olfactory indicators of contamination were observed during Site inspections or test pit excavation.

Ground conditions with pAEC02 are considered suitable for the proposed residential development and it is recommended that the pAEC is removed from the revised CSM.

## Table 11-1: Conceptual Site Model (CSM) – Refined

| pAEC & Area | Historical Activities | Source & affected media | Known Contaminants of Concern (KCoC) | Pathways | Receptor | Pathway Status | Management Requirement |
|---|---|---|---|---|---|---|---|
| **pAEC01**<br><br>Proposed Plant Area<br><br>~10,600m$^2$ | • Potential fill placement;<br>• Agricultural land use | Soil (near surface and at depth) and / or Fill.<br><br>Groundwater | • Heavy Metals (HM)<br>• Total Recoverable Hydrocarbons (TRH).<br>• Polycyclic Aromatic Hydrocarbons (PAHs).<br>• Benzene, Toluene, Ethylbenzene, Xylene (BTEX).<br>• Phenols;<br>• PCBs<br>• Pesticides (OCP, OPP)<br>• VOCs / SVOCs<br>• Asbestos | • Dermal contact,<br>• Ingestion / inhalation (dust, airborne particles/fibres)<br>• Soil leaching (vertical & horizontal migration),<br>• Surface water runoff,<br>Connection with shallow groundwater. | • Site users and construction workers,<br>• Soil / fill materials<br>• Downgradient environments & media<br>• Shoalhaven River<br>Flora and fauna. | Incomplete, NATA laboratory results below adopted SAC. | No action required. pAEC to be removed from CSM. |
| **AEC02**<br><br>Pipeline Route<br><br>~1,200m$^2$ | • Potential fill placement;<br>• Railway line construction;<br>• Industrial land use; | Soil (near surface and at depth) and / or Fill.<br><br>Groundwater | • Heavy Metals (HM)<br>• Total Recoverable Hydrocarbons (TRH).<br>• Polycyclic Aromatic Hydrocarbons (PAHs).<br>• Benzene, Toluene, Ethylbenzene, Xylene (BTEX).<br>• Phenols;<br>• PCBs<br>• Asbestos | • Dermal contact,<br>• Ingestion / inhalation (dust, airborne particles/fibres)<br>• Soil leaching (vertical & horizontal migration),<br>• Surface water runoff,<br>• Connection with shallow groundwater. | • Site users and construction workers,<br>• Soil / fill materials<br>• Downgradient environments & media<br>• Shoalhaven River<br>• Flora and fauna. | Incomplete, NATA laboratory results below adopted SAC. | No action required. pAEC to be removed from CSM. |

Where: pAECs is preliminary Area of Environmental Concern, and KCoC is Known Contaminants of Concern.
Source: based on Table J1, Appendix J, in AS4482.1 (2005

# 12 Site Characterisation

In summary, the Site history appraisal documents the Site has been used for a mixture of rural/agricultural and commercial/industrial land use for an extended period of time. While the majority of the Site area itself has remained grassed agricultural land for an extended period of time, since ~1969 the area surrounding the Site has been under continued development with large-scale projects including the construction of industrial facilities for ethanol production, paper manufacturing and milk processing.

In total, two (2) preliminary areas of environmental concern (pAECs) were identified at the Site following completion of the Site history appraisal and Site inspection, as summarised in **Table 5-1**. The preliminary AECs were isolated in nature and were not representative of broader Site conditions.

Throughout the assessment, a total of thirty-three (33) test pits were installed across the Site. In areas of the Site where natural soil profiles were encountered, investigations by ENRS (2025 & 2026) encountered brown silty sands (topsoil) overlying brown to tan sandy clays to a maximum investigation depth of 1.5 metres below ground level (mBGL) which was consistent with the mapped soil landscape & geology. In areas of the Site where historic filling had occurred, investigations encountered silty sands (topsoil) overlying shallow fill layers (<0.5m in depth) which generally comprised fly ash/slag or reworked sandy clay. In these instances, fill layers were underlain by brown-tan sandy clays.

No visual or olfactory indicators of contamination were observed during investigations and all samples reported concentrations of chemical contaminants below the adopted Site Assessment Criteria (SAC) which was considered satisfactory.

Based on the results of this assessment, the Site is assessed as suitable for the proposed $CO_2$ Processing Plant in accordance with the NSW State Environmental Planning Policy (Resilience and Hazards) 2021 (Resilience and Hazards SEPP).

# 13 Data Gaps and Uncertainties

The following points summarise the areas not accessed during the scope of works and associated data gaps or uncertainty which may require further consideration during future works:

- This DSI did not include the assessment of soil gas or vapour at the Site. Tier 1 comparison of laboratory results for key CoPC against the adopted SAC reported satisfactory results. No significant visual or olfactory evidence of contamination was observed during the Site works. Hence, the requirement for soil gas and vapour sampling was not triggered during the scope of works.
- The DSI did not include the sampling or assessment of groundwater at the Site. No groundwater was encountered at the Site and proposed Site works are not expected to impact groundwater users in the area.

- This DSI did not include a search of SafeWork NSW Dangerous Goods Licences. Records reviewed during scope of works were considered adequate to identify any potential hazardous chemicals stored on-Site.
- The far western portion of the proposed pipeline route was not subject to investigations & sampling due to the high risk for underground services. Internal risk assessments for these areas identified the requirement for NDD to complete the excavation/test pit in these areas which would ultimately disturb potential sample material.
    - Previous geotechnical investigations in these areas (reviewed as part of this DSI) identified primarily natural soil profiles with no records of visual/olfactory indicators of contamination or fill materials;
    - Due to the small quantities of disturbance proposed for these areas it is recommended that future works in these areas are considered suitable for completion in accordance with the Unexpected Find Protocol provided in of this report;
- The potential for unexpected finds in other areas of the Site where earthworks occur could arise within the Project.

# 14 Waste Management

All soil/liquid waste materials removed from the Site are required to be classified in accordance with the NSW EPA (2014) Waste Classification Guidelines and disposed of at a suitably licensed waste facility. Any soil/fill materials imported to the Site are required to be classified in accordance with a relevant NSW EPA Resource Recovery Order and Exemption which is authorised for importation to the Site.

# 15 Conclusions and Recommendations

## 15.1 Conclusions

Based on the findings outlined during the scope of works the following conclusions may be made:

- The tasks completed during this investigation have met the project objectives set out in **Section 1.4** of this document;
- The Site history appraisal documents the Site has been used for a mixture of rural and agricultural land use for an extended period of time (circa 1949). Throughout this time, the Site has been under constant development with more large-scale projects occurring in the last decade. Developments included the construction of industrial facilities for ethanol production, paper manufacturing and milk processing;
- The review of available historical records including; NSW EPA, PFAS Management Programs and Licensed Activities under the POEO Act 1997 did identify contaminated land records at, or within a 1km buffer of the Site, which were assessed to present a potential contamination risk to the Site;
- Based on the proposed redevelopment for the construction of a $CO_2$ Processing Plant, the appropriate Site Assessment Criteria (SAC) adopted for this assessment was ASC NEPM HIL 'D' (2013) for commercial/industrial land use;

- NATA accredited laboratory soil results for PCoC including PAHs, heavy metals, pesticides, phenols, PCBs, VOCs and SVOCs reported concentrations below the adopted SAC which was considered satisfactory.
- No asbestos containing materials were observed during test pit investigations and field screening. Additionally, all soil samples were submitted to a NATA accredited laboratory for analysis reported no asbestos detected.

Based on the results of this assessment, the Site is assessed as suitable for the proposed $CO_2$ Processing Plant in accordance with the NSW State Environmental Planning Policy (Resilience and Hazards) 2021 (Resilience and Hazards SEPP).

## 15.2 Recommendations

Based on the findings outlined during the scope of works the following recommendations are provided:

- Submit this report to the Regulator for endorsement;
- In the event that other waste materials are required to be disposed of off-Site, materials must be accompanied by a Waste Classification Certificate in accordance with the NSW EPA Waste Classification Guidelines (2014) prepared by a suitably qualified environmental professional.
- Should any change in Site conditions or incidents occur which causes a potential environmental impact, a suitable environmental professional should be engaged to further assess the Site and consider the requirements for any additional assessment; and
- This report must be read in conjunction with the Statement of Limitations.

# 16 References

ANZG (2018) Australian and New Zealand Guidelines for Fresh and Marine Water Quality.

Coffee Geotechnics Pty Ltd (2012). Geotechnical Investigation

CRC Care (2011). Health screening levels for petroleum hydrocarbons in soil and groundwater.

DEC NSW. (2007). *Guidelines for the Assessment and Management of Groundwater Contamination.*

Department of Defence, Security and Estate Group (SEG). (2022). *Asbestos Management Plan* (v5.1 ed.).

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended by the National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1), National Environment Protection Council, May.*

NSW EPA. (2014). *Waste Classification Guidelines. Part 1 Classifying Waste.*

NSW EPA. (2020). *Guidelines for consultants reporting on contaminated land.*

NSW EPA (2022) Approved methods for the sampling and analysis of water pollutants in NSW

NSW EPA. (2022). *Sampling design guidelines for contaminated land. Sampling design part 1: Application .*

NSW EPA. (2022). *Sampling design guidelines for contaminated land. Sampling Design Part 2: Interpretation.*

SafeWork NSW. (2014). *Guidelines for Managing Asbestos in or on Soil.*

SafeWork NSW. (2022). *Code of Practice on How to Safely Remove Asbestos.*

Terra Insight (2025). Geotechnical Investigation

WA DOH. (2009). *Guidelines for the assessment, remediation and management of asbestos-contaminated sites in Western Australia.* Perth, WA: Western Australia Department of Health.

WA DOH. (2021). *Guidelines for the assessment, remediation and management of asbestos-contaminated sites in Western Australia.* Perth, WA: Western Australia Department of Health.

# 17 Limitations

This report and the associated services performed by ENRS are in accordance with the scope of services set out in the contract between ENRS and the Client. The scope of services was defined by the requests of the Client, by the time and budgetary constraints imposed by the Client, and by the availability of access to Site.

ENRS derived the data in this report primarily from visual inspections, and, limited sample collection and analysis made on the dates indicated. In preparing this report, ENRS has relied upon, and presumed accurate, certain information provided by government authorities, the Client and others identified herein. The report has been prepared on the basis that while ENRS believes all the information in it is deemed reliable and accurate at the time of preparing the report, it does not warrant its accuracy or completeness and to the full extent allowed by law excludes liability in contract, tort or otherwise, for any loss or damage sustained by the Client arising from or in connection with the supply or use of the whole or any part of the information in the report through any cause whatsoever.

Limitations also apply to analytical methods used in the identification of substances (or parameters). These limitations may be due to non-homogenous material being sampled (i.e. the sample to be analysed may not be representative), low concentrations, the presence of 'masking' agents and the restrictions of the approved analytical technique. As such, non-statistically significant sampling results can only be interpreted as 'indicative' and not used for quantitative assessments.

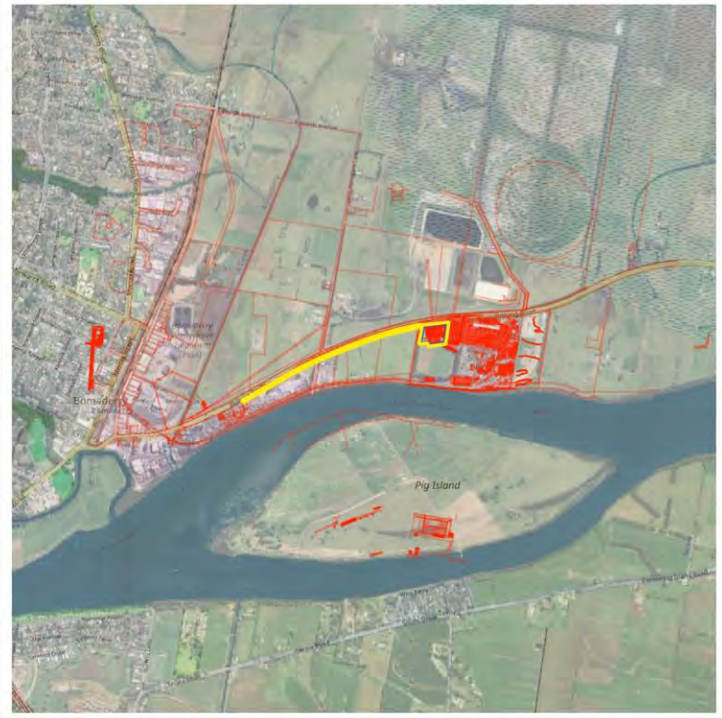
The data, findings, observations, conclusions and recommendations in the report are based solely upon the state of Site at the time of the investigation. The passage of time, manifestation of latent conditions or impacts of future events (e.g. changes in legislation, scientific knowledge, land uses, etc) may render the report inaccurate. In those circumstances, ENRS shall not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on, the contents of the report.

This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the provisions of the agreement between ENRS and the Client. ENRS accepts no liability or responsibility whatsoever and expressly disclaims any responsibility for or in respect of any use of or reliance upon this report by any third party or parties.

It is the responsibility of the Client to accept if the Client so chooses any recommendations contained within and implement them in an appropriate, suitable and timely manner.

# FIGURES



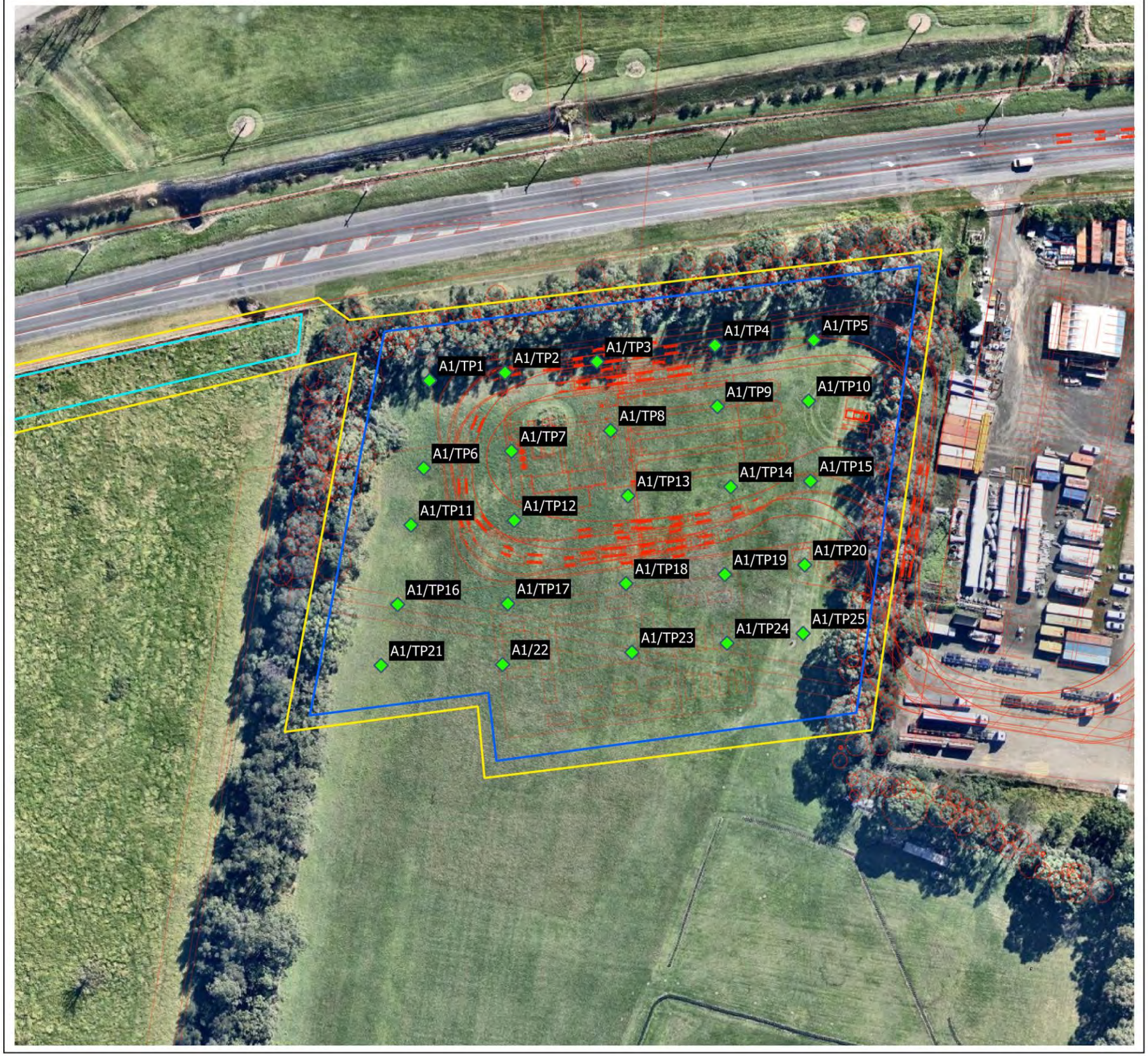



## Map Legend

- Site Boundary
- Project Design
- pAEC01 - Processing Plant
- pAEC02 - Pipline Route

0 100 200 m

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ENRS ENVIRONMENT & NATURAL RESOURCE SOLUTIONS | Client: | Babbage Consultants Limited | Drawn: | CA | Figure: | 17-1 | N |
| | Project: | ENRS3413 | Source: | Nearmap | Date: | 24/02/2026 | |
| | Location: | 340 Bolong Road, Bomaderry, NSW 2540 | Status: | Rev 3 | Title: | Site Layout w/ Preliminary AECs | |






## Map Legend

- Site Boundary
- Project Design
- pAEC01 - Processing Plant
- pAEC02 - Pipline Route
- Test Pit Location (Results < SAC)

0 25 50 m

ENRS
ENVIRONMENT & NATURAL RESOURCE SOLUTIONS

| | | | | | |
|---|---|---|---|---|---|
| Client: | Babbage Consultants Limited | Drawn: | CA | Figure: | 17-2 |
| Project: | ENRS3413 | Source: | Nearmap | Date: | 24/02/2026 |
| Location: | 340 Bolong Road, Bomaderry, NSW 2540 | Status: | Rev 3 | Title: | pAEC01 Layout (w/ Test Pit Locations) |






## Map Legend

- Site Boundary
- Project Design
- pAEC01 - Processing Plant
- pAEC02 - Pipline Route
- Test Pit Location (Results < SAC)

0 75 150 m

ENRS
ENVIRONMENT & NATURAL RESOURCE SOLUTIONS

| | | | | | |
|---|---|---|---|---|---|
| Client: | Babbage Consultants Limited | Drawn: | CA | Figure: | 17-3 |
| Project: | ENRS3413 | Source: | Nearmap | Date: | 24/02/2026 |
| Location: | 340 Bolong Road, Bomaderry, NSW 2540 | Status: | Rev 3 | Title: | pAEC02 Layout (w/ Test Pit Locations) |

# TABLES

ENRS
ENVIRONMENT & NATURAL RESOURCE SOLUTIONS

# Table 17-1: Total Concentration Results - Soil

## Air Liquide CO2 Processing Plan - 340 Bolong Road, Bomaderry, NSW

| Analyte | | | Organochlorine Pesticides (OCP) | | | | | Total PCB's | Organophosphate Pesticides (OPP) | Total Phenols | BTEX | | | | Total Recoverable Hydrocarbons | | | | | | | | Polycyclic Aromatic Hydrocarbons (PAHs) | | | | Metals / Metalloids | | | | | | | | VOCs | | | | Asbestos (Laboratory) | | < ASC NEPM Suitability for Re-Use On Site |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Aldrin | Dieldrin | Chlordane | DDT, DDD & DDE | Heptachlor | | | | Benzene | Toluene | Ethyl benzene | Xylenes (total) | TRH C6-C9 | TRH C10-C36 | F1 TRH C6-C10 | F2 TRH C10-C16 | F3 TRH C16-C34 | F4 TRH C34-C40 | Total TRH C10-C40 | Naphthalene | Benzo(a)pyrene | Benzo(a)pyrene TEQ | Total Positive PAHs | Arsenic | Cadmium | Chromium | Copper | Lead | Mercury | Nickel | Zinc | Tetrachloroethene (TCE) | 1,1,1 - Trichloroethane (TCA) | cis - 1,2- Dichloroethene | Vinyl Chloride | FA & AF (Friable Asbestos) | Bonded ACM | |
| *NEPM (2013) Soil Investigation Levels (mg/Kg)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HIL 'D' (Industrial / Commercial) | | | 45 | 45 | 530 | 3600 | 50 | 7 | - | 240000 | - | - | - | - | - | - | - | - | - | - | - | - | - | 40 | 4000 | 3000 | 900 | 3600 | 240000 | 1500 | 730 | 6000 | 400000 | - | - | - | - | | | |
| HSL 'D' | SAND | 0-1m | - | - | - | - | - | - | - | - | 3 | NL | NL | 230 | - | - | 260 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | 1-2m | - | - | - | - | - | - | - | - | 3 | NL | NL | NL | - | - | 370 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | SILT | 0-1m | - | - | - | - | - | - | - | - | 4 | NL | NL | NL | - | - | 250 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | 1-2m | - | - | - | - | - | - | - | - | 4 | NL | NL | NL | - | - | 360 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | CLAY | 0-1m | - | - | - | - | - | - | - | - | 4 | NL | NL | NL | - | - | 310 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.001% | 0.05% | |
| | | 1-2m | - | - | - | - | - | - | - | - | 6 | NL | NL | NL | - | - | 480 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Management Limits (Industrial / Commercial) | | Coarse | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 700 | 1000 | 3500 | 10000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | Fine | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 800 | 1000 | 5000 | 10000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| EIL/*ESL* (Industrial/ Commercial) | | Coarse | - | - | - | 640 | - | - | - | - | *75* | *135* | *165* | *180* | - | - | *215* | *170* | *1700* | *3300* | - | 370 | *3* | - | - | 160 | - | - | - | - | - | - | - | - | - | - | | | |
| | | Fine | - | - | - | 640 | - | - | - | - | *95* | *135* | *185* | *95* | - | - | *215* | *170* | *2500* | *6600* | - | 370 | *3* | - | - | 160 | - | - | - | - | - | - | - | - | - | - | | | |
| CRC Care (2011) HSL D (Direct Contact) | | | - | - | - | - | - | - | - | - | 430 | 99000 | 27000 | 81000 | - | - | 26000 | 20000 | 27000 | 38000 | - | 11000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| CRC Care (2011) Intrusive Work (Direct Conact) | | | - | - | - | - | - | - | - | - | 1100 | 120000 | 85000 | 130000 | - | - | 82000 | 62000 | 85000 | 120000 | - | 29000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Soil Concentrations | | Laboratory LOR or PQL | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.1 | 0.05 | 0.5 | 0.2 | 0.5 | 0.5 | 0.5 | 10 | 50 | 10 | 50 | 100 | 100 | 50 | 0.5 | 0.5 | 0.5 | 0.5 | 5 | 1 | 2 | 5 | 5 | 0.1 | 2 | 5 | 0.5 | 0.5 | 0.5 | 5 | **0.001** | **0.01** | |
| Area | ID-Depth (m) | Date | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | % w/w | % w/w | |
| pAEC01 | A1/TP1-0.2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **14** | <1 | **26** | **23** | **28** | <0.1 | **28** | **84** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP2-0.2 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **14** | <1 | **24** | **23** | **28** | <0.1 | **26** | **82** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP3-0.2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **15** | <1 | **25** | **23** | **28** | <0.1 | **27** | **84** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP4-0.1 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | **6** | **12** | **15** | <0.1 | **8** | **30** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP5-0.1 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **5** | <1 | **12** | **18** | **22** | <0.1 | **14** | **56** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP6-0.2 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **12** | <1 | **24** | **22** | **24** | <0.1 | **26** | **99** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP7-0.2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **13** | <1 | **25** | **23** | **26** | <0.1 | **27** | **83** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP8-0.2 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **13** | <1 | **23** | **20** | **25** | <0.1 | **25** | **78** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP9-0.1 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | **12** | **18** | **20** | <0.1 | **14** | **54** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP10-0.1 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **7** | <1 | **14** | **18** | **23** | <0.1 | **17** | **74** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP11-0.2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **11** | <1 | **23** | **21** | **24** | <0.1 | **26** | **115** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP12-0.2 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **11** | <1 | **23** | **23** | **23** | <0.1 | **26** | **88** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP13-0.2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **13** | <1 | **24** | **21** | **25** | <0.1 | **26** | **84** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP14-0.1 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | **2** | **9** | **9** | <0.1 | **4** | **17** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP15-0.1 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **8** | <1 | **13** | **15** | **17** | <0.1 | **14** | **46** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP15-0.4 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | **2** | **10** | **9** | <0.1 | **10** | **14** | <0.5 | <0.5 | <0.5 | <5 | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP16-0.2 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **14** | <1 | **25** | **23** | **26** | <0.1 | **27** | **199** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP17-0.2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **13** | <1 | **24** | **22** | **25** | <0.1 | **27** | **92** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP18-0.2 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **14** | <1 | **26** | **24** | **25** | <0.1 | **29** | **90** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP19-0.1 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | <2 | **7** | **10** | <0.1 | **6** | **13** | <0.5 | <0.5 | <0.5 | <5 | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP20-0.1 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **11** | <1 | **17** | **16** | **19** | <0.1 | **16** | **52** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP20-0.4 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | **2** | **5** | <5 | <0.1 | **4** | **10** | <0.5 | <0.5 | <0.5 | <5 | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP21-0.2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **13** | <1 | **24** | **23** | **24** | <0.1 | **26** | **110** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP22-0.2 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **12** | <1 | **24** | **23** | **24** | <0.1 | **26** | **89** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP23-0.2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **13** | <1 | **24** | **22** | **24** | <0.1 | **27** | **83** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP24-0.1 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **6** | <1 | **9** | **16** | **14** | <0.1 | **12** | **41** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP25-0.1 | 13/08/2025 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **12** | <1 | **19** | **19** | **21** | <0.1 | **20** | **70** | ---- | ---- | ---- | ---- | <0.001% | <0.01% | < NEPM 'D' |
| | A1/TP25-0.4 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | **3** | **6** | **6** | <0.1 | **5** | **15** | <0.5 | <0.5 | <0.5 | <5 | <0.001% | <0.01% | < NEPM 'D' |
| QAQC (Excluded from Statistical Summary) | DUP 1 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **5** | <1 | **10** | **15** | **19** | <0.1 | **13** | **46** | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | TRIP 1 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <1 | <1 | <25 | <50 | <25 | <50 | <100 | <100 | <50 | <0.1 | <0.05 | <0.5 | <0.05 | **4** | <0.4 | **7** | **17** | **16** | <0.1 | **9** | **40** | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | DUP 2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | <2 | **5** | <5 | <0.1 | **3** | **6** | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | TRIP 2 | 13/08/2025 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <1 | <1 | <25 | <50 | <25 | <50 | <100 | <100 | <50 | <0.1 | <0.05 | <0.5 | <0.05 | <4 | <0.4 | **2** | **6** | **7** | <0.1 | **4** | **8** | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| *Statistics Summary* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of samples | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 4 | 4 | 4 | 4 | - | - | |
| Standard Deviation (SD) | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 0.00 | 9.02 | 5.90 | 7.15 | 0.00 | 8.67 | 40.11 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | |
| SD < 1/2 * SAC investigation or screening level | | | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *N/A* | *N/A* | *N/A* | | | |
| Coefficient of Variation | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.53 | 0.33 | 0.35 | 0.00 | 0.45 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | |
| t statistic at a=0.05 | | | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 2.35 | 2.35 | 2.35 | 2.35 | - | - | |
| Minimum | | | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.05 | 0.03 | 0.25 | 0.10 | 0.25 | 0.25 | 0.25 | 5.00 | 25.00 | 5.00 | 25.00 | 50.00 | 50.00 | 25.00 | 0.25 | 0.25 | 0.25 | 0.25 | 2.50 | 0.50 | 1.00 | 5.00 | 2.50 | 0.05 | 4.00 | 10.00 | 0.25 | 0.25 | 0.25 | 2.50 | - | - | |
| ***Maximum*** | | | **0.03** | **0.03** | **0.03** | **0.03** | **0.03** | **0.05** | **0.03** | **0.25** | **0.10** | **0.25** | **0.25** | **0.25** | **5.00** | **25.00** | **5.00** | **25.00** | **50.00** | **50.00** | **25.00** | **0.25** | **0.25** | **0.25** | **0.25** | **15.00** | **0.50** | **26.00** | **24.00** | **28.00** | **0.05** | **29.00** | **199.00** | **0.25** | **0.25** | **0.25** | **2.50** | - | - | **< NEPM 'D' = suitable for re-use on Site** |
| | | | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *N/A* | *N/A* | *N/A* | - | - | |
| ***Arithmetic Mean*** | | | **0.03** | **0.03** | **0.03** | **0.03** | **0.03** | **0.05** | **0.03** | **0.25** | **0.10** | **0.25** | **0.25** | **0.25** | **5.00** | **25.00** | **5.00** | **25.00** | **50.00** | **50.00** | **25.00** | **0.25** | **0.25** | **0.25** | **0.25** | **9.34** | **0.50** | **17.00** | **18.04** | **20.23** | **0.05** | **19.39** | **69.71** | **0.25** | **0.25** | **0.25** | **2.50** | - | - | |
| | | | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *N/A* | *N/A* | *N/A* | - | - | |
| ***95% Upper Confidence Limit (UCL) Average*** | | | **0.03** | **0.03** | **0.03** | **0.03** | **0.03** | **0.05** | **0.03** | **0.25** | **0.10** | **0.25** | **0.25** | **0.25** | **5.00** | **25.00** | **5.00** | **25.00** | **50.00** | **50.00** | **25.00** | **0.25** | **0.25** | **0.25** | **0.25** | **10.85** | **0.50** | **19.90** | **19.93** | **22.53** | **0.05** | **22.18** | **82.63** | **0.25** | **0.25** | **0.25** | **2.50** | - | - | |
| | | | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *Pass* | *N/A* | *N/A* | *N/A* | *N/A* | - | - | |

ENRS
ENVIRONMENT & NATURAL RESOURCE SOLUTIONS

# Table 17-2: Total Concentration Results - Soil
## Air Liquide CO2 Processing Plan - 340 Bolong Road, Bomaderry, NSW

| Analyte | | | | | Organochlorine Pesticides (OCP) | | | | | Total PCB's | Organophosphate Pesticides (OPP) | Total Phenols | BTEX | | | | Total Recoverable Hydrocarbons | | | | | | | Polycyclic Aromatic Hydrocarbons (PAHs) | | | | Metals / Metalloids | | | | | | | | Asbestos (Laboratory) | | < ASC NEPM Suitability for Re-Use On Site |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Aldrin | Dieldrin | Chlordane | DDT, DDD & DDE | Heptachlor | | | | Benzene | Toluene | Ethyl benzene | Xylenes (total) | TRH C6-C9 | TRH C10-C36 | F1 TRH C6-C10 | F2 TRH C10-C16 | F3 TRH C16-C34 | F4 TRH C34-C40 | Total TRH C10-C40 | Naphthalene | *Benzo(a)pyrene | Benzo(a)pyrene TEQ | Total Positive PAHs | Arsenic | Cadmium | Chromium | Copper | Lead | Mercury | Nickel | Zinc | FA & AF (Friable Asbestos) | Bonded ACM | |
| ***NEPM (2013) Soil Investigation Levels (mg/Kg)*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **HIL 'D' (Industrial / Commercial)** | | | | | 45 | 45 | 530 | 3600 | 50 | 7 | - | 240000 | - | - | - | - | - | - | - | - | - | - | - | - | - | 40 | 4000 | 3000 | 900 | 3600 | 240000 | 1500 | 730 | 6000 | 400000 | | | |
| **HSL 'D'** | **SAND** | **0-1m** | | | - | - | - | - | - | - | - | - | 3 | NL | NL | 230 | - | - | 260 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | **1-2m** | | | - | - | - | - | - | - | - | - | 3 | NL | NL | NL | - | - | 370 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | **SILT** | **0-1m** | | | - | - | - | - | - | - | - | - | 4 | NL | NL | NL | - | - | 250 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | **1-2m** | | | - | - | - | - | - | - | - | - | 4 | NL | NL | NL | - | - | 360 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | **CLAY** | **0-1m** | | | - | - | - | - | - | - | - | - | 4 | NL | NL | NL | - | - | 310 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.001% | 0.05% | |
| | | **1-2m** | | | - | - | - | - | - | - | - | - | 6 | NL | NL | NL | - | - | 480 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| **Management Limits (Industrial / Commercial)** | | | **Coarse** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 700 | 1000 | 3500 | 10000 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | | **Fine** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 800 | 1000 | 5000 | 10000 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| **EIL/*ESL* (Industrial/ Commercial)** | | | **Coarse** | | - | - | - | 640 | - | - | - | - | *75* | *135* | *165* | *180* | - | - | *215* | *170* | *1700* | *3300* | - | 370 | *172* | - | - | 160 | - | - | - | - | - | - | - | | | |
| | | | **Fine** | | - | - | - | 640 | - | - | - | - | *95* | *135* | *185* | *95* | - | - | *215* | *170* | *2500* | *6600* | - | 370 | *172* | - | - | 160 | - | - | - | - | - | - | - | | | |
| **CRC Care (2011) HSL D (Direct Contact)** | | | | | - | - | - | - | - | - | - | - | 430 | 99000 | 27000 | 81000 | - | - | 26000 | 20000 | 27000 | 38000 | - | 11000 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| **CRC Care (2011) Intrusive Work (Direct Conact)** | | | | | - | - | - | - | - | - | - | - | 1100 | 120000 | 85000 | 130000 | - | - | 82000 | 62000 | 85000 | 120000 | - | 29000 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| **Soil Concentrations** | | | | **Laboratory LOR or PQL** | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.1 | 0.05 | 0.5 | 0.2 | 0.5 | 0.5 | 0.5 | 10 | 50 | 10 | 50 | 100 | 100 | 50 | 0.5 | 0.5 | 0.5 | 0.5 | 5 | 1 | 2 | 5 | 5 | 0.1 | 2 | 5 | **0.001** | **0.01** | |
| **Area** | **Lab ID** | **ID** | **Depth (m)** | **Date** | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | % w/w | % w/w | |
| **pAEC02 - Bolong Road Pipeline** | EW2600934001 | EA2/TP1-0.1 | 0.1 | 18/02/2026 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **13** | <1 | **22** | **20** | **27** | <0.1 | **23** | **61** | <0.001% | <0.01% | < NEPM 'D' |
| | EW2600934002 | EA2/TP1-0.5 | 0.5 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **15** | <1 | **22** | **21** | **24** | <0.1 | **19** | **57** | ---- | ---- | < NEPM 'D' |
| | EW2600934004 | EA2/TP2-0.1 | 0.1 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **9** | <1 | **16** | **23** | **17** | <0.1 | **15** | **61** | <0.001% | <0.01% | < NEPM 'D' |
| | EW2600934006 | EA2/TP3-0.1 | 0.1 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **11** | <1 | **22** | **18** | **22** | <0.1 | **18** | **63** | <0.001% | <0.01% | < NEPM 'D' |
| | EW2600934008 | EA2/TP4-0.1 | 0.1 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **12** | <1 | **20** | **18** | **24** | <0.1 | **17** | **59** | <0.001% | <0.01% | < NEPM 'D' |
| | EW2600934009 | EA2/TP4-0.5 | 0.5 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **14** | <1 | **20** | **17** | **18** | <0.1 | **20** | **43** | ---- | ---- | < NEPM 'D' |
| | EW2600934010 | EA2/TP5-0.1 | 0.1 | 18/02/2026 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **16** | <1 | **27** | **26** | **26** | <0.1 | **26** | **180** | <0.001% | <0.01% | < NEPM 'D' |
| | EW2600934012 | EA2/TP6-0.1 | 0.1 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **12** | <1 | **22** | **22** | **20** | <0.1 | **22** | **155** | <0.001% | <0.01% | < NEPM 'D' |
| | EW2600934015 | EA2/TP7-0.1 | 0.1 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **10** | <1 | **18** | **25** | **33** | <0.1 | **15** | **117** | <0.001% | <0.01% | < NEPM 'D' |
| | EW2600934016 | EA2/TP7-0.5 | 0.5 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **17** | <1 | **25** | **15** | **57** | <0.1 | **11** | **49** | ---- | ---- | < NEPM 'D' |
| | EW2600934017 | EA2/TP8-0.1 | 0.1 | 18/02/2026 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | <0.5 | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **8** | <1 | **17** | **18** | **47** | <0.1 | **10** | **85** | <0.001% | <0.01% | < NEPM 'D' |
| | EW2600934018 | EA2/TP8-0.6 | 0.6 | 18/02/2026 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <0.2 | <0.5 | <0.5 | <0.5 | <10 | <50 | <10 | <50 | <100 | <100 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | **9** | <1 | **17** | **16** | **15** | <0.1 | **14** | **47** | ---- | ---- | < NEPM 'D' |
| ***Statistics Summary*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of samples | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | - | - | |
| Standard Deviation (SD)<br>SD < 1/2 * SAC investigation or screening level | | | | | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*N/A* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*N/A* | 0.00<br>*N/A* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*N/A* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 0.00<br>*Pass* | 2.92<br>*Pass* | 0.00<br>*Pass* | 3.34<br>*Pass* | 3.53<br>*Pass* | 12.62<br>*Pass* | 0.00<br>*Pass* | 4.81<br>*Pass* | 45.12<br>*Pass* | - | - | |
| Coefficient of Variation | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.16 | 0.18 | 0.46 | 0.00 | 0.28 | 0.55 | - | - | |
| t statistic at a=0.05 | | | | | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | - | - | |
| Minimum | | | | | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.05 | 0.03 | 0.25 | 0.10 | 0.25 | 0.25 | 0.25 | 5.00 | 25.00 | 5.00 | 25.00 | 50.00 | 50.00 | 25.00 | 0.25 | 0.25 | 0.25 | 0.25 | 8.00 | 0.50 | 16.00 | 15.00 | 15.00 | 0.05 | 10.00 | 43.00 | - | - | **< NEPM 'D' = suitable for re-use on Site** |
| ***Maximum*** | | | | | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.05**<br>*Pass* | **0.03**<br>- | **0.25**<br>*Pass* | **0.10**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **5.00**<br>- | **25.00**<br>- | **5.00**<br>*Pass* | **25.00**<br>*Pass* | **50.00**<br>*Pass* | **50.00**<br>*Pass* | **25.00**<br>- | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **17.00**<br>*Pass* | **0.50**<br>*Pass* | **27.00**<br>*Pass* | **26.00**<br>*Pass* | **57.00**<br>*Pass* | **0.05**<br>*Pass* | **26.00**<br>*Pass* | **180.00**<br>*Pass* | - | - | |
| ***Arithmetic Mean*** | | | | | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.05**<br>*Pass* | **0.03**<br>- | **0.25**<br>*Pass* | **0.10**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **5.00**<br>- | **25.00**<br>- | **5.00**<br>*Pass* | **25.00**<br>*Pass* | **50.00**<br>*Pass* | **50.00**<br>*Pass* | **25.00**<br>- | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **12.17**<br>*Pass* | **0.50**<br>*Pass* | **20.67**<br>*Pass* | **19.92**<br>*Pass* | **27.50**<br>*Pass* | **0.05**<br>*Pass* | **17.50**<br>*Pass* | **81.42**<br>*Pass* | - | - | |
| ***95% Upper Confidence Limit (UCL) Average*** | | | | | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.03**<br>*Pass* | **0.05**<br>*Pass* | **0.03**<br>- | **0.25**<br>*Pass* | **0.10**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **5.00**<br>- | **25.00**<br>- | **5.00**<br>*Pass* | **25.00**<br>*Pass* | **50.00**<br>*Pass* | **50.00**<br>*Pass* | **25.00**<br>- | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **0.25**<br>*Pass* | **13.68**<br>*Pass* | **0.50**<br>*Pass* | **22.40**<br>*Pass* | **21.75**<br>*Pass* | **34.04**<br>*Pass* | **0.05**<br>*Pass* | **20.00**<br>*Pass* | **104.81**<br>*Pass* | - | - | |

**Table 17-3: Results for Asbestos in Soil Concentrations**

| *Site Assessment Criteria - ASC NEPM (2013) Health Screening Levels (HSL) for Asbestos contamination in soil:* | *HSL 'D'* | *0.05* | *0.05* | *0.001* |
|---|---|---|---|---|

| | | Gravimetric Field Sampling Results | | | | | | | 500ml Discrete Sample NATA Laboratory Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID - Depth | Date | Sample Vol. (L) | Sample Mass (Kg) | ACM No. Fragments | ACM Mass (g) | ACM Mass (kg) | Asbestos content (%) | Bonded ACM in Soil Concentration (w/w%) | Bonded ACM in soil Concentration (w/w%) | FA & AF Friable Asbestos Concentration (w/w%) |
| A1/TP1-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP2-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP3-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP4-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP5-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP6-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP7-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP8-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP9-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP10-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP11-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP12-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP13-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP14-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP15-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP15-0.4 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP16-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP17-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP18-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP19-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP20-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP20-0.4 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP21-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP22-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP23-0.2 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP24-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP25-0.1 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| A1/TP25-0.4 | 13/08/2025 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| EA2/TP1-0.1 | 18/02/2026 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| EA2/TP2-0.1 | 18/02/2026 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| EA2/TP3-0.1 | 18/02/2026 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| EA2/TP4-0.1 | 18/02/2026 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| EA2/TP5-0.1 | 18/02/2026 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| EA2/TP6-0.1 | 18/02/2026 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| EA2/TP7-0.1 | 18/02/2026 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |
| EA2/TP8-0.1 | 18/02/2026 | 10 | 18 | 0 | 0 | - | - | No Asbestos Observed | No Asbestos Detected | No Asbestos Detected |

*Note:* *Samples exceeding the adopted Site Assessment Criteria shaded YELLOW*

*1.8 kg Bulk density of soil for wetted clay and shale*

*1.4-1.6 kg Bulk density of soil for sandy soils*

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS

**Table 17-4 Summary of Relative Percent Differences in Soil Samples**

| ANALYTE | *Laboratory PQL / LOR* | Primary Sample ID: A1/TP5-0.1 | Blind Field Duplicate: DUP 1 | RPD % | Intra Lab Triplicate: TRIP 1 | RPD % |
|---|---|---|---|---|---|---|
| **Arsenic** | 5 | **5** | **5** | 0% | **4** | 22% |
| **Cadmium** | 1 | <1 | <1 | N/A | <0.4 | N/A |
| **Chromium** | 2 | **12** | **10** | **18%** | **7** | **53%** |
| **Copper** | 5 | **18** | **15** | **18%** | **17** | **6%** |
| **Lead** | 5 | **22** | **19** | **15%** | **16** | **32%** |
| **Mercury** | 0.1 | <0.1 | <0.1 | N/A | <0.1 | N/A |
| **Nickel** | 2 | **14** | **13** | 7% | **9** | 43% |
| **Zinc** | 5 | **56** | **46** | **20%** | **40** | **33%** |
| **Naphthalene** | 0.5 | <0.5 | <0.5 | N/A | <0.1 | N/A |
| **Benzo(a)pyrene** | 0.5 | <0.5 | <0.5 | N/A | <0.05 | N/A |
| **Benzo(a)pyrene TEQ (zero)** | 0.5 | <0.5 | <0.5 | N/A | <0.5 | N/A |
| **Sum of polycyclic aromatic hydrocarbons** | 0.5 | <0.5 | <0.5 | N/A | <0.05 | N/A |
| **Benzene** | 0.2 | <0.2 | <0.2 | N/A | <0.2 | N/A |
| **Toluene** | 0.5 | <0.5 | <0.5 | N/A | <0.5 | N/A |
| **Ethyl benzene** | 0.5 | <0.5 | <0.5 | N/A | <1 | N/A |
| **Total Xylenes** | 0.5 | <0.5 | <0.5 | N/A | <1 | N/A |
| **F1 TRH C6-C10** | 10 | <10 | <10 | N/A | <25 | N/A |
| **F2 TRH C10-C16** | 50 | <50 | <50 | N/A | <50 | N/A |
| **F3 TRH C16-C34** | 100 | <100 | <100 | N/A | <100 | N/A |
| **F4 TRH C34-C40** | 100 | <100 | <100 | N/A | <100 | N/A |
| **Total TRH C10-C40** | 50 | <50 | <50 | N/A | <50 | N/A |

Acceptance criteria for Inorganics RPD<30%
Acceptance criteria for Organics RPD<50%

**(AS4482.1-2005) RPD Calculation Method =** $\frac{\text{D1-D2}}{\text{Mean Result}} \times 100$

Results below detection limit excluded from RPD calculations
Results above the acceptance criteria were assessed to be disregarded if results were <5 x PQL/LOR

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS

**Table 17-5: Summary of Relative Percent Differences in Soil Samples**

| ANALYTE | *Laboratory PQL / LOR* | Primary Sample ID: A1/TP15-0.4 | Blind Field Duplicate: DUP 2 | RPD % | Intra Lab Triplicate: TRIP 2 | RPD % |
|---|---|---|---|---|---|---|
| **Arsenic** | 5 | <5 | <5 | N/A | <4 | N/A |
| **Cadmium** | 1 | <1 | <1 | N/A | <0.4 | N/A |
| **Chromium** | 2 | **2** | <2 | **N/A** | **2** | **0%** |
| **Copper** | 5 | **10** | **5** | **67%** | **6** | **50%** |
| **Lead** | 5 | **9** | <5 | **N/A** | **7** | **25%** |
| **Mercury** | 0.1 | <0.1 | <0.1 | N/A | <0.1 | N/A |
| **Nickel** | 2 | **10** | **3** | 108% | **4** | 86% |
| **Zinc** | 5 | **14** | **6** | **80%** | **8** | **55%** |
| **Naphthalene** | 0.5 | <0.5 | <0.5 | N/A | <0.1 | N/A |
| **Benzo(a)pyrene** | 0.5 | <0.5 | <0.5 | N/A | <0.05 | N/A |
| **Benzo(a)pyrene TEQ (zero)** | 0.5 | <0.5 | <0.5 | N/A | <0.5 | N/A |
| **Sum of polycyclic aromatic hydrocarbons** | 0.5 | <0.5 | <0.5 | N/A | <0.05 | N/A |
| **Benzene** | 0.2 | <0.2 | <0.2 | N/A | <0.2 | N/A |
| **Toluene** | 0.5 | <0.5 | <0.5 | N/A | <0.5 | N/A |
| **Ethyl benzene** | 0.5 | <0.5 | <0.5 | N/A | <1 | N/A |
| **Total Xylenes** | 0.5 | <0.5 | <0.5 | N/A | <1 | N/A |
| **F1 TRH C6-C10** | 10 | <10 | <10 | N/A | <25 | N/A |
| **F2 TRH C10-C16** | 50 | <50 | <50 | N/A | <50 | N/A |
| **F3 TRH C16-C34** | 100 | <100 | <100 | N/A | <100 | N/A |
| **F4 TRH C34-C40** | 100 | <100 | <100 | N/A | <100 | N/A |
| **Total TRH C10-C40** | 50 | <50 | <50 | N/A | <50 | N/A |

Acceptance criteria for Inorganics RPD<30%
Acceptance criteria for Organics RPD<50%

**(AS4482.1-2005) RPD Calculation Method =** $\frac{\text{D1-D2}}{\text{Mean Result}} \times 100$

Results below detection limit excluded from RPD calculations
Results above the acceptance criteria were assessed to be disregarded if results were <5 x PQL/LOR

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS

**Table 17-6: Summary of Relative Percent Differences in Soil Samples**

| ANALYTE | *Laboratory PQL / LOR* | Primary Sample ID: A2/TP8-0.6 | Blind Field Duplicate: EA2/DUP4 | RPD % | Intra Lab Triplicate: EA2/TRIP4 | RPD % |
|---|---|---|---|---|---|---|
| **Arsenic** | 5 | **9** | **10** | 11% | **9** | 0% |
| **Cadmium** | 1 | <1 | <1 | N/A | <0.4 | N/A |
| **Chromium** | 2 | **17** | **28** | **49%** | **17** | **0%** |
| **Copper** | 5 | **16** | **11** | **37%** | **19** | **17%** |
| **Lead** | 5 | **15** | **13** | **14%** | **15** | **0%** |
| **Mercury** | 0.1 | <0.1 | <0.1 | N/A | <0.1 | N/A |
| **Nickel** | 2 | **14** | **11** | 24% | **12** | 15% |
| **Zinc** | 5 | **47** | **33** | **35%** | **44** | **7%** |
| **Naphthalene** | 0.5 | <0.5 | <0.5 | N/A | <0.1 | N/A |
| **Benzo(a)pyrene** | 0.5 | <0.5 | <0.5 | N/A | <0.05 | N/A |
| **Benzo(a)pyrene TEQ (zero)** | 0.5 | <0.5 | <0.5 | N/A | <0.5 | N/A |
| **Sum of polycyclic aromatic hydrocarbons** | 0.5 | <0.5 | <0.5 | N/A | <0.05 | N/A |
| **Benzene** | 0.2 | <0.2 | <0.2 | N/A | <0.2 | N/A |
| **Toluene** | 0.5 | <0.5 | <0.5 | N/A | <0.5 | N/A |
| **Ethyl benzene** | 0.5 | <0.5 | <0.5 | N/A | <1 | N/A |
| **Total Xylenes** | 0.5 | <0.5 | <0.5 | N/A | <1 | N/A |
| **F1 TRH C6-C10** | 10 | <10 | <10 | N/A | <25 | N/A |
| **F2 TRH C10-C16** | 50 | <50 | <50 | N/A | <50 | N/A |
| **F3 TRH C16-C34** | 100 | <100 | <100 | N/A | <100 | N/A |
| **F4 TRH C34-C40** | 100 | <100 | <100 | N/A | <100 | N/A |
| **Total TRH C10-C40** | 50 | <50 | <50 | N/A | <50 | N/A |

Acceptance criteria for Inorganics RPD<30%
Acceptance criteria for Organics RPD<50%

**(AS4482.1-2005) RPD Calculation Method =** $\frac{\text{D1-D2}}{\text{Mean Result}} \times 100$

Results below detection limit excluded from RPD calculations
Results above the acceptance criteria were assessed to be disregarded if results were <5 x PQL/LOR

**Table 17-7: Summary of Rinsate Sample Results**

| ANALYTE | Units | *Laboratory PQL / LOR* | Primary Sample ID: Rinsate (water) | Comment |
|---|---|---|---|---|
| **Arsenic** | mg/L | 0.001 | <0.001 | **Satisfactory. Results were reported below the LOR.** |
| **Cadmium** | mg/L | 0.0001 | <0.0001 | **Satisfactory. Results were reported below the LOR.** |
| **Chromium** | mg/L | 0.001 | <0.001 | **Satisfactory. Results were reported below the LOR.** |
| **Copper** | mg/L | 0.001 | <0.001 | **Satisfactory. Results were reported below the LOR.** |
| **Lead** | mg/L | 0.001 | <0.001 | **Satisfactory. Results were reported below the LOR.** |
| **Mercury** | mg/L | 0.0001 | <0.0001 | **Satisfactory. Results were reported below the LOR.** |
| **Nickel** | mg/L | 0.001 | <0.001 | **Satisfactory. Results were reported below the LOR.** |
| **Zinc** | mg/L | 0.005 | 0.012 | **Satisfactory. Trace levels unlikely to impact validitiy of data.** |
| **Benzene** | Âµg/L | 1 | <1 | **Satisfactory. Results were reported below the LOR.** |
| **Toluene** | Âµg/L | 2 | <2 | **Satisfactory. Results were reported below the LOR.** |
| **Ethyl benzene** | Âµg/L | 2 | <2 | **Satisfactory. Results were reported below the LOR.** |
| **m+p-Xylene** | Âµg/L | 2 | <2 | **Satisfactory. Results were reported below the LOR.** |
| **o-Xylene** | Âµg/L | 2 | <2 | **Satisfactory. Results were reported below the LOR.** |
| **F1 TRH C6-C10** | Âµg/L | 20 | <20 | **Satisfactory. Results were reported below the LOR.** |
| **F2 TRH C10-C16** | Âµg/L | 100 | <100 | **Satisfactory. Results were reported below the LOR.** |
| **F3 TRH C16-C34** | Âµg/L | 100 | <100 | **Satisfactory. Results were reported below the LOR.** |
| **F4 TRH C34-C40** | Âµg/L | 100 | <100 | **Satisfactory. Results were reported below the LOR.** |
| **Total TRH C10-C40** | Âµg/L | 100 | <100 | **Satisfactory. Results were reported below the LOR.** |

Acceptance criteria for rinsate sample was no detection which may indicate that equipment decon between sample points was satisfactory.

**Table 17-8: Summary of QA/QC Trip Blank and Spike Recoveries (Batch 01)**

| ANALYTE | *Laboratory PQL / LOR* | *Units* | Trip Spike | Trip Blank | Trip Control | Recovery % | Comment |
|---|---|---|---|---|---|---|---|
| **Benzene** | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | **N/A** | N/A. All results were below the LOR |
| **Toluene** | 0.5 | mg/kg | 5.4 | <0.5 | 6.2 | **87.10** | **Satisfactory. Results were within the acceptance range of 60%-130%.** |
| **Ethyl benzene** | 0.5 | mg/kg | 6.8 | <0.5 | 8.2 | **82.93** | **Satisfactory. Results were within the acceptance range of 60%-130%.** |
| **Total Xylenes** | 0.5 | mg/kg | 10.9 | <0.5 | 12.2 | **89.34** | **Satisfactory. Results were within the acceptance range of 60%-130%.** |
| **F1 TRH C6-C10** | 10 | mg/kg | - | <10 | - | **N/A** | N/A. The laboratory did not report TRH F1 fraction in the Trip Spike. |

Acceptance criteria for recovery rates between 60% to 130%
**Revocery Calculation Method = Recovery (%) = (Measured concentration in spiked sample - Measured concentration in trip blank) / Spike concentration × 100%.**
**If a result was below the LOR, a zero value was adopted.**

**Table 17-9: Summary of QA/QC Trip Blank and Spike Recoveries (Batch 02)**

| ANALYTE | *Laboratory PQL / LOR* | *Units* | Trip Spike | Trip Blank | Trip Control | Recovery % | Comment |
|---|---|---|---|---|---|---|---|
| **Benzene** | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | **N/A** | N/A. All results were below the LOR |
| **Toluene** | 0.5 | mg/kg | 5.6 | <0.5 | 8.2 | **68.29** | **Satisfactory. Results were within the acceptance range of 60%-130%.** |
| **Ethyl benzene** | 0.5 | mg/kg | 6.8 | <0.5 | 9.3 | **73.12** | **Satisfactory. Results were within the acceptance range of 60%-130%.** |
| **Total Xylenes** | 0.5 | mg/kg | 10.2 | <0.5 | 13.8 | **73.91** | **Satisfactory. Results were within the acceptance range of 60%-130%.** |
| **F1 TRH C6-C10** | 10 | mg/kg | 37 | <10 | 56 | **66.07** | **Satisfactory. Results were within the acceptance range of 60%-130%.** |

Acceptance criteria for recovery rates between 60% to 130%
**Revocery Calculation Method = Recovery (%) = (Measured concentration in spiked sample - Measured concentration in trip blank) / Spike concentration × 100%.**
**If a result was below the LOR, a zero value was adopted.**

# APPENDICES

# Appendix A:

# Laboratory Certificates of Analysis and Chain of Custody (Soil)

*(COA's & COC's)*

TAT

# CHAIN OF CUSTODY

Page 1 of 5

Environmental Division Sydney
Work Order Reference
ES2525360

Telephone : ~ 61-2-8784 8555

| Mandatory Fields | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | BIOSECURITY |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | Country of Origin: (If not Australia) | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | ☐ CC Invoice to PM | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

*** STORAGE REQUIREMENTS** — Please check box. → Standard Storage time from receipt of samples: Waters - 3 weeks, Soils - 2 months
☐ Standard Storage ☐ Extended Storage
Specify Disposal Date:
Note: Extended storage incurs a fee and requires a signed agreement.

*** TURNAROUND** — Please check box. → (Not all tests can be expedited, contact Client Services for more information)
☐ 4+ days (no surcharge) ☐ 3 day (+15%) ☒ 2 day (+30%) ☐ 1 day (+50%)

***ANALYSIS REQUIRED** — Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs/SVOCs | pH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Envirolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/TP1-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 2 | A1/TP1-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 3 | A1/TP2-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 4 | A1/TP2-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 5 | A1/TP3-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 6 | A1/TP3-0.5 | 0.5 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 7 | A1/TP4-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 8 | A1/TP4-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 9 | A1/TP4-0.7 | 0.7 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 10 | A1/TP5-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 11 | A1/TP5-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 12 | A1/TP5-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 13 | A1/TP6-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 14 | A1/TP6-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 15 | A1/TP7-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 16 | A1/TP7-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 17 | A1/TP8-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 18 | A1/TP8-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 19 | A1/TP9-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 20 | A1/TP9-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 21 | A1/TP9-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 22 | A1/TP10-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |

**Receipt Detail** (Lab Use ONLY): Chilling Method: Ice: Frozen / Melted Ice Bricks: Frozen / Thawed None
Sample Temp at Receipt: °C °C °C
Security Seal Intact (circle): Yes / No / NA(None)
Carrier Details: ☐ Courier/Post ☐ Client
Con Note #:
Packaging: (Circle) Hard Esky Foam Esky Box/Bag/Other
Count: # # #

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/ Time: | 15/08/2025 |
| Relinquished by: | | Signature: | | Date/ Time: | |
| Received by: | WWS | Signature | | Date/ Time: | 15/8/25 1857. |
| Received by: | | Signature | | Date/ Time: | |

Subcon / Forward To / Split WO: Envirolab - TRH, TRH2, TRH3
Lab / Analysis:
Relinquished Date:
WO No: ES2525360

## Mandatory Fields

## CHAIN OF CUSTODY

Page 2 of 5

| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | | |
| *INVOICE TO: (client default if bil) | accounts@enrs.com.au | | | | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

BIOSECURITY

Country of Origin: (If not Australia)

☐ CC Invoice to PM

WO Sticker to go here. (ALS use only)

*** STORAGE REQUIREMENTS** — Please check box. → Standard Storage time from receipt of samples: Waters - 3 weeks, Soils - 2 months

☐ Standard Storage
☐ Extended Storage
Specify Disposal Date:
*Note: Extended storage incurs a fee and requires a signed agreement.*

*** TURNAROUND** — Please check box. → (Not all tests can be expedited, contact Client Services for more information)

☐ 4+ days (no surcharge)
☐ 3 day (+15%)
☒ 2 day (+30%)
☐ 1 day (+50%)

***ANALYSIS REQUIRED**
Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only / Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs / SVOCs | pH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Envirolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | A1/TP10-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 24 | A1/TP10-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 25 | A1/TP11-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 26 | A1/TP11-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 27 | A1/TP12-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 28 | A1/TP12-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 29 | A1/TP13-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 30 | A1/TP13-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 31 | A1/TP14-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 32 | A1/TP14-0.4 | 0.4 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 33 | A1/TP14-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 34 | A1/TP15-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 35 | A1/TP15-0.4 | 0.4 | 13/08/2025 | 1 | Soil | | | 1 | | 1 | | | | | | | | ☐ | ☐ | |
| 36 | A1/TP15-0.5 | 0.5 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 37 | A1/TP15-0.8 | 0.8 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 38 | A1/TP16-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 39 | A1/TP16-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 40 | A1/TP17-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 41 | A1/TP17-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 42 | A1/TP18-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 43 | A1/TP18-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 44 | A1/TP19-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | 1 | | 1 | | | | | | | | ☐ | ☐ | |

| | | | | | |
|---|---|---|---|---|---|
| Receipt Detail (Lab Use ONLY) | Chilling Method: Ice: Frozen / Melted; Ice Bricks: Frozen / Thawed; None | Sample Temp at Receipt | °C °C °C | Security Seal Intact (circle) | Yes / No / NA(None) |
| Carrier Details | ☐ Courier/Post ☐ Client | Con Note # | | Packaging: (Circle) | Hard Esky, Foam Esky, Box/Bag/Other |
| Count | # # # | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 15/08/2025 | Received by: WOW3 | Signature: Date/Time: 15/8/25 1857 |
| Relinquished by: | | Signature: | | Date/Time: | | Received by: | Signature: Date/Time: |

## Mandatory Fields

## CHAIN OF CUSTODY

Page 3 of 5

| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

BIOSECURITY

Country of Origin (if not Australia)

☐ CC Invoice to PM

WO Sticker to go here. (ALS use only)

*** STORAGE REQUIREMENTS** — Please check box: → Standard time from receipt of samples: Waters - 3 weeks, Soils - 2 months

☐ Standard Storage
☐ Extended Storage
Specify Disposal Date:
**Note: Extended storage incurs a fee and requires a signed agreement.**

*** TURNAROUND** — Please check box: → (Not all tests can be expedited, contact Client Services for more information)

☐ 4+ days (no surcharge)
☐ 3 day (+15%)
☒ 2 day (+30%)
☐ 1 day (+50%)

***ANALYSIS REQUIRED**
Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only / Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs / SVOCs | pH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Envirolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | A1/TP19-0.5 | 0.5 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 46 | A1/TP19-0.7 | 0.7 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 47 | A1/TP20-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 48 | A1/TP20-0.4 | 0.4 | 13/08/2025 | 1 | Soil | | | 1 | | 1 | | | | | | | | ☐ | ☐ | |
| 49 | A1/TP20-0.9 | 0.9 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 50 | A1/TP21-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 51 | A1/TP21-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 52 | A1/TP22-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 53 | A1/TP22-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 54 | A1/TP23-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 55 | A1/TP23-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 56 | A1/TP24-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 57 | A1/TP24-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 58 | A1/TP24-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 59 | A1/TP25-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 60 | A1/TP25-0.4 | 0.4 | 13/08/2025 | 1 | Soil | | | 1 | | 1 | | | | | | | | ☐ | ☐ | |
| 61 | A1/TP25-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 62 | A1/TP25-0.9 | 0.9 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 63 | A2/TP1-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 64 | A2/TP1-0.6 | 0.6 | 14/08/2025 | 1 | Soil | | | 1 | | | 1 | | | | | | | ☐ | ☐ | |
| 65 | A2/TP2-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 66 | A2/TP2-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |

**Receipt Detail** (Lab Use ONLY): Chilling Method: Ice / Ice Bricks: Frozen / Melted / Frozen / Thawed / None; Sample Temp at Receipt: °C °C °C; Security Seal Intact (circle): Yes / No / NA(None); Carrier Details: ☐ Courier/Post ☐ Client; Con Note #; Packaging (Circle): Hard Esky, Foam Esky, Box/Bag/Other; Count: # # #

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 15/08/2025 |
| Relinquished by: | | Signature: | | Date/Time: | |
| Received by: | WCWS | Signature | | Date/Time: | 15/8/25 1857 |
| Received by: | | Signature | | Date/Time: | |

| Mandatory Fields | | CHAIN OF CUSTODY | | | Page 4 of 5 |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: CA | CoC #: (if applicable) |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: 0478 725 692 | |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | BIOSECURITY |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | | Country of Origin: (If not Australia) |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | | ☐ CC Invoice to PM |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

WO Sticker to go here.
(ALS use only)

*** STORAGE REQUIREMENTS** — Please check box. → Standard Storage time from receipt of samples: Waters - 3 weeks, Soils - 2 months

☐ Standard Storage
☐ Extended Storage
Specify Disposal Date:
**Note: Extended storage incurs a fee and requires a signed agreement.**

*** TURNAROUND** — Please check box. → (Not all tests can be expedited, contact Client Services for more information)

☐ 4+ days (no surcharge)
☐ 3 day (+15%)
☒ 2 day (+30%)
☐ 1 day (+50%)

***ANALYSIS REQUIRED** — Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs / SVOCs | pH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Envirolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | A2/TP3-0.1 | 0.1 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 68 | A2/TP3-0.3 | 0.3 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 69 | A2/TP3-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 70 | A2/TP4-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 71 | A2/TP4-0.6 | 0.6 | 14/08/2025 | 1 | Soil | | | 1 | | | 1 | | | | | | | ☐ | ☐ | |
| 72 | A2/TP5-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 73 | A2/TP5-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 74 | A2/TP6-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 75 | A2/TP6-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 76 | A2/TP7-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 77 | A2/TP7-0.5 | 0.5 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 78 | A2/TP8-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 79 | A2/TP8-0.5 | 0.5 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 80 | A2/TP9-0.1 | 0.1 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 81 | A2/TP9-0.3 | 0.3 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 82 | A2/TP9-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 83 | A2/TP10-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 84 | A2/TP10-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 85 | A2/TP11-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 86 | A2/TP11-0.6 | 0.6 | 14/08/2025 | 1 | Soil | | | 1 | | | 1 | | | | | | | ☐ | ☐ | |
| 87 | DUP 1 | - | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 88 | DUP 2 | - | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |

| | | | | |
|---|---|---|---|---|
| **Receipt Detail** (Lab Use ONLY) | Chilling Method: Ice: Frozen / Melted; Ice Bricks: Frozen / Thawed; None | Sample Temp at Receipt: °C °C °C | Security Seal Intact (circle): Yes / No / NA(None) | Carrier Details: ☐ Courier/Post ☐ Client; Con Note #: |
| Packaging: (Circle) | Hard Esky, Foam Esky, Box/Bag/Other | Count: # # # | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Relinquished by:** | Chris Allen | **Signature:** | C. Allen | **Date/ Time:** | 15/08/2025 | Received by: WCWS | Signature: Date/ Time: 15/8/25 1857 |
| **Relinquished by:** | | **Signature:** | | **Date/ Time:** | | Received by: | Signature: Date/ Time: |

# CHAIN OF CUSTODY

Page 5 of 5

## Mandatory Fields

| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

BIOSECURITY

Country of Origin (If not Australia)

☐ CC Invoice to PM

WO Sticker to go here.
(ALS use only)

*** STORAGE REQUIREMENTS**
Please check box. →
Standard Storage time from receipt of samples:
Waters - 3 weeks
Soils - 2 months

☐ Standard Storage
☐ Extended Storage
Specify Disposal Date:
Note: Extended storage incurs a fee and requires a signed agreement.

*** TURNAROUND**
Please check box. →
(Not all tests can be expedited, contact Client Services for more information)

☐ 4+ days (no surcharge)
☐ 3 day (+15%)
☒ 2 day (+30%)
☐ 1 day (+50%)

***ANALYSIS REQUIRED**
Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only / Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs / SVOCs | pH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Envirolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | DUP 3 | - | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| — | TRIP 1 | - | 13/08/2025 | 1 | Soil | | | | | | | | | | 1 | | | ☐ | ☐ | Please send to Envirolab |
| — | TRIP 2 | - | 13/08/2025 | 1 | Soil | | | | | | | | | | 1 | | | ☐ | ☐ | Please send to Envirolab |
| — | TRIP 3 | - | 14/08/2025 | 1 | Soil | | | | | | | | | | 1 | | | ☐ | ☐ | Please send to Envirolab |
| | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| 90 | Soil Blank | - | 14/08/2025 | 1 | Soil | | | | | | | 1 | | | | | | ☐ | ☐ | |
| 91 | Soil Spike | - | 14/08/2025 | 1 | Soil | | | | | | | 1 | | | | | | ☐ | ☐ | |
| 92 | Soil Control | - | 14/08/2025 | 1 | Soil | | | | | | | 1 | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| 93 | Rinse 01 | - | 14/08/2025 | 4 | Water | | | | | | | | 1 | | | | | ☐ | ☐ | |

| | | | | | |
|---|---|---|---|---|---|
| Receipt Detail (Lab Use ONLY) | Chilling Method: | Ice: Frozen / Melted | Ice Bricks: Frozen / Thawed | None | Sample Temp at Receipt: °C °C °C |
| Security Seal Intact (circle) | Yes / No / NA(None) | Carrier Details | ☐ Courier/Post | ☐ Client | Con Note # |
| Packaging (Circle) | Hard Esky | Foam Esky | Box/Bag/Other | | Count: # # # |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 15/08/2025 | Received by: NW | Signature: Date/Time: 15/8/25 1857 |
| Relinquished by: | | Signature: | | Date/Time: | | Received by: | Signature: Date/Time: |

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| **Work Order** | : **ES2525360** | Page | : 1 of 84 |
| Client | : **ENVIRONMENT & NATURAL RESOURCE SOLUTIONS** | Laboratory | : Environmental Division Sydney |
| Contact | : LAB ENRS | Contact | : Customer Services ES |
| Address | : 108 Jerry Bailey Road<br>Shoalhaven Heads 2535 | Address | : 277-289 Woodpark Road Smithfield NSW Australia 2164 |
| Telephone | : 02 9037 4708 | Telephone | : +61-2-8784 8555 |
| Project | : ENRS3413 | Date Samples Received | : 15-Aug-2025 18:57 |
| Order number | : ---- | Date Analysis Commenced | : 18-Aug-2025 |
| C-O-C number | : ---- | Issue Date | : 21-Aug-2025 16:31 |
| Sampler | : CA | | |
| Site | : Air Liquide CO2 Plant DSI | | |
| Quote number | : EW23ENVNAT0003 | | |
| No. of samples received | : 93 | | |
| No. of samples analysed | : 51 | | |

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

**Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.**

## *Signatories*

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

| *Signatories* | *Position* | *Accreditation Category* |
|---|---|---|
| Ankit Joshi | Senior Chemist - Inorganics | Sydney Inorganics, Smithfield, NSW |
| Edwandy Fadjar | Organic Coordinator | Sydney Inorganics, Smithfield, NSW |
| Edwandy Fadjar | Organic Coordinator | Sydney Organics, Smithfield, NSW |
| Wisam Marassa | Inorganics Coordinator | Sydney Inorganics, Smithfield, NSW |

## General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP068: Where reported, Total OCP is the sum of the reported concentrations of all Organochlorine Pesticides at or above LOR.
- EP074: Where reported, Total Trihalomethanes is the sum of the reported concentrations of all Trihalomethanes at or above the LOR.
- EP074: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP074: Where reported, Sum of chlorinated hydrocarbons includes carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichlorothene, trans-1,2-dichlorothene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene, vinyl chloride, hexachlorobutadiene and methylene chloride.
- EP074: Where reported, Total Trimethylbenzenes is the sum of the reported concentrations of 1.2.3-Trimethylbenzene, 1.2.4-Trimethylbenzene and 1.3.5-Trimethylbenzene at or above the LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EG020: Positive result for sample ES2525360-#093 has been confirmed by redigestion and reanalysis.
- EP080: The trip spike and its control have been analysed for volatile TPH and BTEXN only. The trip spike and control were prepared in the lab using reagent grade sand spiked with petrol. The spike was dispatched from the lab and the control retained.
- EP075: Where reported, 'Sum of PAH' is the sum of the USEPA 16 priority PAHs
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- ED007 and ED008: When Exchangeable Al is reported from these methods, it should be noted that Rayment & Lyons (2011) suggests Exchange Acidity by 1M KCl - Method 15G1 (ED005) is a more suitable method for the determination of exchange acidity (H+ + Al3+).

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP1-0.2 | A1/TP2-0.2 | A1/TP3-0.2 | A1/TP4-0.1 | A1/TP5-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-001 | ES2525360-003 | ES2525360-005 | ES2525360-007 | ES2525360-010 |
| | | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | | 30.7 | 31.6 | 30.0 | 36.6 | 34.2 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | | 14 | 14 | 15 | <5 | 5 |
| Cadmium | 7440-43-9 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | | 26 | 24 | 25 | 6 | 12 |
| Copper | 7440-50-8 | 5 | mg/kg | | 23 | 23 | 23 | 12 | 18 |
| Lead | 7439-92-1 | 5 | mg/kg | | 28 | 28 | 28 | 15 | 22 |
| Nickel | 7440-02-0 | 2 | mg/kg | | 28 | 26 | 27 | 8 | 14 |
| Zinc | 7440-66-6 | 5 | mg/kg | | 84 | 82 | 84 | 30 | 56 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | | ---- | <0.1 | ---- | <0.1 | <0.1 |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Aldrin | 309-00-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A1/TP1-0.2 | A1/TP2-0.2 | A1/TP3-0.2 | A1/TP4-0.1 | A1/TP5-0.1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-001 | ES2525360-003 | ES2525360-005 | ES2525360-007 | ES2525360-010 |
| | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | <0.2 |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | <0.2 |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | <0.2 |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | <0.2 |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | <0.2 |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP1-0.2 | A1/TP2-0.2 | A1/TP3-0.2 | A1/TP4-0.1 | A1/TP5-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-001 | ES2525360-003 | ES2525360-005 | ES2525360-007 | ES2525360-010 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **3- & 4-Methylphenol** | 1319-77-3 | 1 | mg/kg | | ---- | <1 | ---- | <1 | <1 |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.4.6-Trichlorophenol** | 88-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.4.5-Trichlorophenol** | 95-95-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **Pentachlorophenol** | 87-86-5 | 2 | mg/kg | | ---- | <2 | ---- | <2 | <2 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP1-0.2 | A1/TP2-0.2 | A1/TP3-0.2 | A1/TP4-0.1 | A1/TP5-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-001 | ES2525360-003 | ES2525360-005 | ES2525360-007 | ES2525360-010 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(k)fluoranthene** | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **C10 - C14 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **C15 - C28 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **C29 - C36 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **>C10 - C16 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **>C16 - C34 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **>C34 - C40 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP1-0.2 | A1/TP2-0.2 | A1/TP3-0.2 | A1/TP4-0.1 | A1/TP5-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-001 | ES2525360-003 | ES2525360-005 | ES2525360-007 | ES2525360-010 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | ---- | 83.0 | ---- | 77.2 | 92.4 |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | ---- | 86.4 | ---- | 83.5 | 101 |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | ---- | 88.2 | ---- | 85.6 | 103 |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 92.9 | 94.7 | 96.0 | 84.6 | 84.2 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 96.5 | 96.7 | 97.8 | 88.3 | 84.3 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 87.3 | 90.3 | 84.7 | 66.7 | 65.1 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 110 | 99.8 | 88.4 | 107 | 106 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 102 | 100 | 101 | 92.8 | 97.8 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 116 | 115 | 116 | 112 | 115 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 70.2 | 70.1 | 72.7 | 68.8 | 84.3 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 77.7 | 75.6 | 73.8 | 66.9 | 80.0 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP1-0.2 | A1/TP2-0.2 | A1/TP3-0.2 | A1/TP4-0.1 | A1/TP5-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-001 | ES2525360-003 | ES2525360-005 | ES2525360-007 | ES2525360-010 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080S: TPH(V)/BTEX Surrogates - Continued** | | | | | | | | | |
| **4-Bromofluorobenzene** | 460-00-4 | 0.2 | % | | **86.6** | **84.4** | **90.3** | **74.9** | **81.8** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A1/TP6-0.2 | A1/TP7-0.2 | A1/TP8-0.2 | A1/TP9-0.1 | A1/TP10-0.1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-013 | ES2525360-015 | ES2525360-017 | ES2525360-019 | ES2525360-022 |
| | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | 38.2 | 35.2 | 31.6 | 45.3 | 41.2 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 12 | 13 | 13 | <5 | 7 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 24 | 25 | 23 | 12 | 14 |
| Copper | 7440-50-8 | 5 | mg/kg | 22 | 23 | 20 | 18 | 18 |
| Lead | 7439-92-1 | 5 | mg/kg | 24 | 26 | 25 | 20 | 23 |
| Nickel | 7440-02-0 | 2 | mg/kg | 26 | 27 | 25 | 14 | 17 |
| Zinc | 7440-66-6 | 5 | mg/kg | 99 | 83 | 78 | 54 | 74 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | <0.1 | ---- | <0.1 | <0.1 | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | ---- | <0.05 | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP6-0.2 | A1/TP7-0.2 | A1/TP8-0.2 | A1/TP9-0.1 | A1/TP10-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-013 | ES2525360-015 | ES2525360-017 | ES2525360-019 | ES2525360-022 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | | <0.2 | ---- | <0.2 | <0.2 | ---- |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | | <0.2 | ---- | <0.2 | <0.2 | ---- |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | | <0.2 | ---- | <0.2 | <0.2 | ---- |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | | <0.2 | ---- | <0.2 | <0.2 | ---- |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | | <0.2 | ---- | <0.2 | <0.2 | ---- |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP6-0.2 | A1/TP7-0.2 | A1/TP8-0.2 | A1/TP9-0.1 | A1/TP10-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-013 | ES2525360-015 | ES2525360-017 | ES2525360-019 | ES2525360-022 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | <0.05 | ---- | <0.05 | <0.05 | ---- |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **3- & 4-Methylphenol** | 1319-77-3 | 1 | mg/kg | | <1 | ---- | <1 | <1 | ---- |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **2.4.6-Trichlorophenol** | 88-06-2 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **2.4.5-Trichlorophenol** | 95-95-4 | 0.5 | mg/kg | | <0.5 | ---- | <0.5 | <0.5 | ---- |
| **Pentachlorophenol** | 87-86-5 | 2 | mg/kg | | <2 | ---- | <2 | <2 | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP6-0.2 | A1/TP7-0.2 | A1/TP8-0.2 | A1/TP9-0.1 | A1/TP10-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-013 | ES2525360-015 | ES2525360-017 | ES2525360-019 | ES2525360-022 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(k)fluoranthene** | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **C10 - C14 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **C15 - C28 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **C29 - C36 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **>C10 - C16 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **>C16 - C34 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **>C34 - C40 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP6-0.2 | A1/TP7-0.2 | A1/TP8-0.2 | A1/TP9-0.1 | A1/TP10-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-013 | ES2525360-015 | ES2525360-017 | ES2525360-019 | ES2525360-022 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | 112 | ---- | 82.4 | 113 | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | 122 | ---- | 90.5 | 118 | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | 125 | ---- | 95.6 | 126 | ---- |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 95.1 | 90.2 | 91.1 | 90.1 | 90.5 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 96.3 | 93.4 | 93.3 | 92.3 | 92.2 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 87.4 | 80.1 | 77.1 | 75.5 | 86.4 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 95.7 | 81.0 | 104 | 98.4 | 103 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 103 | 100 | 99.2 | 98.2 | 100 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 117 | 115 | 114 | 114 | 117 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 83.9 | 72.3 | 81.6 | 76.9 | 87.7 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 75.1 | 68.7 | 75.6 | 72.4 | 78.4 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP6-0.2 | A1/TP7-0.2 | A1/TP8-0.2 | A1/TP9-0.1 | A1/TP10-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-013 | ES2525360-015 | ES2525360-017 | ES2525360-019 | ES2525360-022 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080S: TPH(V)/BTEX Surrogates - Continued** | | | | | | | | | |
| **4-Bromofluorobenzene** | 460-00-4 | 0.2 | % | | **87.0** | **82.9** | **86.9** | **81.0** | **88.1** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A1/TP11-0.2 | A1/TP12-0.2 | A1/TP13-0.2 | A1/TP14-0.1 | A1/TP15-0.1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-025 | ES2525360-027 | ES2525360-029 | ES2525360-031 | ES2525360-034 |
| | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | 33.6 | 33.8 | 34.1 | 47.9 | 28.3 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 11 | 11 | 13 | <5 | 8 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 23 | 23 | 24 | 2 | 13 |
| Copper | 7440-50-8 | 5 | mg/kg | 21 | 23 | 21 | 9 | 15 |
| Lead | 7439-92-1 | 5 | mg/kg | 24 | 23 | 25 | 9 | 17 |
| Nickel | 7440-02-0 | 2 | mg/kg | 26 | 26 | 26 | 4 | 14 |
| Zinc | 7440-66-6 | 5 | mg/kg | 115 | 88 | 84 | 17 | 46 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | ---- | <0.1 | ---- | ---- | <0.1 |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| Aldrin | 309-00-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | <0.05 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP11-0.2 | A1/TP12-0.2 | A1/TP13-0.2 | A1/TP14-0.1 | A1/TP15-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-025 | ES2525360-027 | ES2525360-029 | ES2525360-031 | ES2525360-034 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | <0.2 |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | <0.2 |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | <0.2 |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | <0.2 |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | <0.2 |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP11-0.2 | A1/TP12-0.2 | A1/TP13-0.2 | A1/TP14-0.1 | A1/TP15-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-025 | ES2525360-027 | ES2525360-029 | ES2525360-031 | ES2525360-034 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | <0.05 |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **3- & 4-Methylphenol** | 1319-77-3 | 1 | mg/kg | | ---- | <1 | ---- | ---- | <1 |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **2.4.6-Trichlorophenol** | 88-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **2.4.5-Trichlorophenol** | 95-95-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | <0.5 |
| **Pentachlorophenol** | 87-86-5 | 2 | mg/kg | | ---- | <2 | ---- | ---- | <2 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP11-0.2 | A1/TP12-0.2 | A1/TP13-0.2 | A1/TP14-0.1 | A1/TP15-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-025 | ES2525360-027 | ES2525360-029 | ES2525360-031 | ES2525360-034 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(k)fluoranthene** | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **C10 - C14 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **C15 - C28 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **C29 - C36 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **>C10 - C16 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **>C16 - C34 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **>C34 - C40 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP11-0.2 | A1/TP12-0.2 | A1/TP13-0.2 | A1/TP14-0.1 | A1/TP15-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-025 | ES2525360-027 | ES2525360-029 | ES2525360-031 | ES2525360-034 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | ---- | 86.4 | ---- | ---- | 86.3 |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | ---- | 94.2 | ---- | ---- | 94.8 |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | ---- | 96.9 | ---- | ---- | 95.8 |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 91.8 | 92.1 | 91.1 | 82.5 | 83.1 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 93.3 | 93.8 | 92.9 | 85.1 | 83.5 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 77.1 | 75.3 | 75.5 | 64.1 | 56.8 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 104 | 102 | 105 | 85.5 | 99.7 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 98.3 | 98.2 | 99.5 | 94.8 | 96.5 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 114 | 114 | 115 | 114 | 115 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 73.3 | 77.9 | 85.3 | 88.6 | 92.2 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 67.4 | 73.3 | 78.1 | 75.8 | 82.4 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP11-0.2 | A1/TP12-0.2 | A1/TP13-0.2 | A1/TP14-0.1 | A1/TP15-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-025 | ES2525360-027 | ES2525360-029 | ES2525360-031 | ES2525360-034 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080S: TPH(V)/BTEX Surrogates - Continued** | | | | | | | | | |
| **4-Bromofluorobenzene** | 460-00-4 | 0.2 | % | | **81.4** | **83.1** | **85.5** | **81.6** | **88.5** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | | 40.7 | 30.2 | 32.8 | 26.8 | 39.2 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | | <5 | 14 | 13 | 14 | <5 |
| Cadmium | 7440-43-9 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | | 2 | 25 | 24 | 26 | <2 |
| Copper | 7440-50-8 | 5 | mg/kg | | 10 | 23 | 22 | 24 | 7 |
| Lead | 7439-92-1 | 5 | mg/kg | | 9 | 26 | 25 | 25 | 10 |
| Nickel | 7440-02-0 | 2 | mg/kg | | 10 | 27 | 27 | 29 | 6 |
| Zinc | 7440-66-6 | 5 | mg/kg | | 14 | 199 | 92 | 90 | 13 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | | ---- | <0.1 | ---- | <0.1 | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| Aldrin | 309-00-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | ---- |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | ---- |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | ---- |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | ---- |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | ---- |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **EP074A: Monocyclic Aromatic Hydrocarbons** | | | | | | | | | |
| **Styrene** | 100-42-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Isopropylbenzene** | 98-82-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **n-Propylbenzene** | 103-65-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **1.3.5-Trimethylbenzene** | 108-67-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **sec-Butylbenzene** | 135-98-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **1.2.4-Trimethylbenzene** | 95-63-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **tert-Butylbenzene** | 98-06-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **p-Isopropyltoluene** | 99-87-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **n-Butylbenzene** | 104-51-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP074B: Oxygenated Compounds** | | | | | | | | | |
| **Vinyl Acetate** | 108-05-4 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| **2-Butanone (MEK)** | 78-93-3 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| **4-Methyl-2-pentanone (MIBK)** | 108-10-1 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| **2-Hexanone (MBK)** | 591-78-6 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| **EP074C: Sulfonated Compounds** | | | | | | | | | |
| **Carbon disulfide** | 75-15-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP074D: Fumigants** | | | | | | | | | |
| **2.2-Dichloropropane** | 594-20-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **1.2-Dichloropropane** | 78-87-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **cis-1.3-Dichloropropylene** | 10061-01-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP074D: Fumigants - Continued** | | | | | | | | | |
| trans-1.3-Dichloropropylene | 10061-02-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.2-Dibromoethane (EDB) | 106-93-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP074E: Halogenated Aliphatic Compounds** | | | | | | | | | |
| Dichlorodifluoromethane | 75-71-8 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| Chloromethane | 74-87-3 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| Vinyl chloride | 75-01-4 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| Bromomethane | 74-83-9 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| Chloroethane | 75-00-3 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| Trichlorofluoromethane | 75-69-4 | 5 | mg/kg | | <5 | ---- | ---- | ---- | <5 |
| 1.1-Dichloroethene | 75-35-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Iodomethane | 74-88-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| trans-1.2-Dichloroethene | 156-60-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.1-Dichloroethane | 75-34-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| cis-1.2-Dichloroethene | 156-59-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.1.1-Trichloroethane | 71-55-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.1-Dichloropropylene | 563-58-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Carbon Tetrachloride | 56-23-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.2-Dichloroethane | 107-06-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Trichloroethene | 79-01-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Dibromomethane | 74-95-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.1.2-Trichloroethane | 79-00-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.3-Dichloropropane | 142-28-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Tetrachloroethene | 127-18-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.1.1.2-Tetrachloroethane | 630-20-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| trans-1.4-Dichloro-2-butene | 110-57-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| cis-1.4-Dichloro-2-butene | 1476-11-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.1.2.2-Tetrachloroethane | 79-34-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | Result | Result | Result | Result | Result |
| **EP074E: Halogenated Aliphatic Compounds - Continued** | | | | | | | | |
| 1.2.3-Trichloropropane | 96-18-4 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| Pentachloroethane | 76-01-7 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.2-Dibromo-3-chloropropane | 96-12-8 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP074F: Halogenated Aromatic Compounds** | | | | | | | | |
| Chlorobenzene | 108-90-7 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| Bromobenzene | 108-86-1 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| 2-Chlorotoluene | 95-49-8 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| 4-Chlorotoluene | 106-43-4 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| 1.2.3-Trichlorobenzene | 87-61-6 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP074G: Trihalomethanes** | | | | | | | | |
| Chloroform | 67-66-3 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| Bromodichloromethane | 75-27-4 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| Dibromochloromethane | 124-48-1 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| Bromoform | 75-25-2 | 0.5 | mg/kg | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | |
| Phenol | 108-95-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | ---- | <1 | ---- | <1 | ---- |
| 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| Pentachlorophenol | 87-86-5 | 2 | mg/kg | ---- | <2 | ---- | <2 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(k)fluoranthene** | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP075A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **3- & 4-Methylphenol** | 1319-77-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075A: Phenolic Compounds - Continued** | | | | | | | | | |
| 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Pentachlorophenol | 87-86-5 | 1 | mg/kg | | <1 | ---- | ---- | ---- | <1 |
| **EP075B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 2-Methylnaphthalene | 91-57-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 2-Chloronaphthalene | 91-58-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Fluorene | 86-73-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Anthracene | 120-12-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Pyrene | 129-00-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| N-2-Fluorenyl Acetamide | 53-96-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Benzo(b+j) & Benzo(k)fluoranthene | 205-99-2 207-08-9 | 1 | mg/kg | | <1 | ---- | ---- | ---- | <1 |
| 7.12-Dimethylbenz(a)anthracene | 57-97-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| 3-Methylcholanthrene | 56-49-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| ^ **Sum of PAHs** | ---- | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | ---- | ---- | ---- | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | ---- | ---- | ---- | **1.2** |
| **EP075C: Phthalate Esters** | | | | | | | | | |
| **Dimethyl phthalate** | 131-11-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Diethyl phthalate** | 84-66-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Di-n-butyl phthalate** | 84-74-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Butyl benzyl phthalate** | 85-68-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **bis(2-ethylhexyl) phthalate** | 117-81-7 | 5.0 | mg/kg | | <5.0 | ---- | ---- | ---- | <5.0 |
| **Di-n-octylphthalate** | 117-84-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP075D: Nitrosamines** | | | | | | | | | |
| **N-Nitrosomethylethylamine** | 10595-95-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **N-Nitrosodiethylamine** | 55-18-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **N-Nitrosopyrrolidine** | 930-55-2 | 1.0 | mg/kg | | <1.0 | ---- | ---- | ---- | <1.0 |
| **N-Nitrosomorpholine** | 59-89-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **N-Nitrosodi-n-propylamine** | 621-64-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **N-Nitrosopiperidine** | 100-75-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **N-Nitrosodibutylamine** | 924-16-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **N-Nitrosodiphenyl & Diphenylamine** | 86-30-6 122-39-4 | 1.0 | mg/kg | | <1.0 | ---- | ---- | ---- | <1.0 |
| **Methapyrilene** | 91-80-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP075E: Nitroaromatics and Ketones** | | | | | | | | | |
| **2-Picoline** | 109-06-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Acetophenone** | 98-86-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Nitrobenzene** | 98-95-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075E: Nitroaromatics and Ketones - Continued** | | | | | | | | | |
| **Isophorone** | 78-59-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **2.6-Dinitrotoluene** | 606-20-2 | 1.0 | mg/kg | | <1.0 | ---- | ---- | ---- | <1.0 |
| **2.4-Dinitrotoluene** | 121-14-2 | 1.0 | mg/kg | | <1.0 | ---- | ---- | ---- | <1.0 |
| **1-Naphthylamine** | 134-32-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **4-Nitroquinoline-N-oxide** | 56-57-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **5-Nitro-o-toluidine** | 99-55-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Azobenzene** | 103-33-3 | 1 | mg/kg | | <1 | ---- | ---- | ---- | <1 |
| **1.3.5-Trinitrobenzene** | 99-35-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Phenacetin** | 62-44-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **4-Aminobiphenyl** | 92-67-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Pentachloronitrobenzene** | 82-68-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Pronamide** | 23950-58-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Dimethylaminoazobenzene** | 60-11-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Chlorobenzilate** | 510-15-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP075F: Haloethers** | | | | | | | | | |
| **Bis(2-chloroethyl) ether** | 111-44-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Bis(2-chloroethoxy) methane** | 111-91-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **4-Chlorophenyl phenyl ether** | 7005-72-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **4-Bromophenyl phenyl ether** | 101-55-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP075G: Chlorinated Hydrocarbons** | | | | | | | | | |
| **1.3-Dichlorobenzene** | 541-73-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **1.4-Dichlorobenzene** | 106-46-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **1.2-Dichlorobenzene** | 95-50-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Hexachloroethane** | 67-72-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **1.2.4-Trichlorobenzene** | 120-82-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Hexachloropropylene** | 1888-71-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Hexachlorobutadiene** | 87-68-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075G: Chlorinated Hydrocarbons - Continued** | | | | | | | | | |
| **Hexachlorocyclopentadiene** | 77-47-4 | 2.5 | mg/kg | | <2.5 | ---- | ---- | ---- | <2.5 |
| **Pentachlorobenzene** | 608-93-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Hexachlorobenzene (HCB)** | 118-74-1 | 1.0 | mg/kg | | <1.0 | ---- | ---- | ---- | <1.0 |
| **EP075H: Anilines and Benzidines** | | | | | | | | | |
| **Aniline** | 62-53-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **4-Chloroaniline** | 106-47-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **2-Nitroaniline** | 88-74-4 | 1.0 | mg/kg | | <1.0 | ---- | ---- | ---- | <1.0 |
| **3-Nitroaniline** | 99-09-2 | 1.0 | mg/kg | | <1.0 | ---- | ---- | ---- | <1.0 |
| **Dibenzofuran** | 132-64-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **4-Nitroaniline** | 100-01-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Carbazole** | 86-74-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **3.3`-Dichlorobenzidine** | 91-94-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP075I: Organochlorine Pesticides** | | | | | | | | | |
| **alpha-BHC** | 319-84-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **beta-BHC** | 319-85-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **gamma-BHC - (Lindane)** | 58-89-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **delta-BHC** | 319-86-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Heptachlor** | 76-44-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Aldrin** | 309-00-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Heptachlor epoxide** | 1024-57-3 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **alpha-Endosulfan** | 959-98-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **4.4`-DDE** | 72-55-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Dieldrin** | 60-57-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Endrin** | 72-20-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **beta-Endosulfan** | 33213-65-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **4.4`-DDD** | 72-54-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Endosulfan sulfate** | 1031-07-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075I: Organochlorine Pesticides - Continued** | | | | | | | | | |
| **4.4`-DDT** | 50-29-3 | 1.0 | mg/kg | | <1.0 | ---- | ---- | ---- | <1.0 |
| **EP075J: Organophosphorus Pesticides** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Dimethoate** | 60-51-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Diazinon** | 333-41-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Malathion** | 121-75-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Fenthion** | 55-38-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Chlorpyrifos** | 2921-88-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Pirimphos-ethyl** | 23505-41-1 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Chlorfenvinphos** | 470-90-6 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Prothiofos** | 34643-46-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **Ethion** | 563-12-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | <0.5 |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **C10 - C14 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **C15 - C28 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **C29 - C36 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **>C10 - C16 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **>C16 - C34 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **>C34 - C40 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | ---- | 78.8 | ---- | 80.3 | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | ---- | 85.5 | ---- | 88.6 | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | ---- | 87.0 | ---- | 91.2 | ---- |
| **EP074S: VOC Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.5 | % | | 86.6 | ---- | ---- | ---- | 101 |
| Toluene-D8 | 2037-26-5 | 0.5 | % | | 90.4 | ---- | ---- | ---- | 104 |
| 4-Bromofluorobenzene | 460-00-4 | 0.5 | % | | 83.2 | ---- | ---- | ---- | 104 |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 88.1 | 91.3 | 82.8 | 89.5 | 90.9 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 81.4 | 92.3 | 81.6 | 90.2 | 84.6 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 52.2 | 71.2 | 74.6 | 68.7 | 55.3 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 97.0 | 102 | 89.5 | 120 | 93.9 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 90.8 | 97.1 | 86.1 | 96.2 | 90.0 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP15-0.4 | A1/TP16-0.2 | A1/TP17-0.2 | A1/TP18-0.2 | A1/TP19-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-035 | ES2525360-038 | ES2525360-040 | ES2525360-042 | ES2525360-044 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)T: PAH Surrogates - Continued** | | | | | | | | | |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 92.1 | 112 | 96.1 | 111 | 100.0 |
| **EP075S: Acid Extractable Surrogates** | | | | | | | | | |
| 2-Fluorophenol | 367-12-4 | 0.5 | % | | 50.7 | ---- | ---- | ---- | 64.9 |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 61.6 | ---- | ---- | ---- | 72.4 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 59.5 | ---- | ---- | ---- | 72.3 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 31.3 | ---- | ---- | ---- | 54.6 |
| **EP075T: Base/Neutral Extractable Surrogates** | | | | | | | | | |
| Nitrobenzene-D5 | 4165-60-0 | 0.5 | % | | 85.1 | ---- | ---- | ---- | 82.6 |
| 1.2-Dichlorobenzene-D4 | 2199-69-1 | 0.5 | % | | 86.2 | ---- | ---- | ---- | 83.3 |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 92.0 | ---- | ---- | ---- | 91.7 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 72.9 | ---- | ---- | ---- | 80.8 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 98.8 | ---- | ---- | ---- | 96.6 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 85.4 | 92.4 | 82.7 | 77.0 | 99.5 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 89.8 | 75.2 | 78.3 | 68.5 | 103 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | | 88.6 | 89.8 | 84.8 | 79.4 | 108 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | | 27.0 | 31.2 | 26.5 | 26.8 | 28.8 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | | 11 | <5 | 13 | 12 | 13 |
| Cadmium | 7440-43-9 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | | 17 | 2 | 24 | 24 | 24 |
| Copper | 7440-50-8 | 5 | mg/kg | | 16 | 5 | 23 | 23 | 22 |
| Lead | 7439-92-1 | 5 | mg/kg | | 19 | <5 | 24 | 24 | 24 |
| Nickel | 7440-02-0 | 2 | mg/kg | | 16 | 4 | 26 | 26 | 27 |
| Zinc | 7440-66-6 | 5 | mg/kg | | 52 | 10 | 110 | 89 | 83 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | | <0.1 | ---- | ---- | <0.1 | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| Aldrin | 309-00-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | | <0.2 | ---- | ---- | <0.2 | ---- |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | | <0.2 | ---- | ---- | <0.2 | ---- |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | | <0.2 | ---- | ---- | <0.2 | ---- |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | | <0.2 | ---- | ---- | <0.2 | ---- |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | | <0.2 | ---- | ---- | <0.2 | ---- |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | <0.05 | ---- | ---- | <0.05 | ---- |
| **EP074A: Monocyclic Aromatic Hydrocarbons** | | | | | | | | | |
| **Styrene** | 100-42-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Isopropylbenzene** | 98-82-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **n-Propylbenzene** | 103-65-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **1.3.5-Trimethylbenzene** | 108-67-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **sec-Butylbenzene** | 135-98-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **1.2.4-Trimethylbenzene** | 95-63-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **tert-Butylbenzene** | 98-06-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **p-Isopropyltoluene** | 99-87-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **n-Butylbenzene** | 104-51-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP074B: Oxygenated Compounds** | | | | | | | | | |
| **Vinyl Acetate** | 108-05-4 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| **2-Butanone (MEK)** | 78-93-3 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| **4-Methyl-2-pentanone (MIBK)** | 108-10-1 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| **2-Hexanone (MBK)** | 591-78-6 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| **EP074C: Sulfonated Compounds** | | | | | | | | | |
| **Carbon disulfide** | 75-15-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP074D: Fumigants** | | | | | | | | | |
| **2.2-Dichloropropane** | 594-20-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **1.2-Dichloropropane** | 78-87-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **cis-1.3-Dichloropropylene** | 10061-01-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP074D: Fumigants - Continued** | | | | | | | | | |
| trans-1.3-Dichloropropylene | 10061-02-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.2-Dibromoethane (EDB) | 106-93-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP074E: Halogenated Aliphatic Compounds** | | | | | | | | | |
| Dichlorodifluoromethane | 75-71-8 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| Chloromethane | 74-87-3 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| Vinyl chloride | 75-01-4 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| Bromomethane | 74-83-9 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| Chloroethane | 75-00-3 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| Trichlorofluoromethane | 75-69-4 | 5 | mg/kg | | ---- | <5 | ---- | ---- | ---- |
| 1.1-Dichloroethene | 75-35-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Iodomethane | 74-88-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| trans-1.2-Dichloroethene | 156-60-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.1-Dichloroethane | 75-34-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| cis-1.2-Dichloroethene | 156-59-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.1.1-Trichloroethane | 71-55-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.1-Dichloropropylene | 563-58-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Carbon Tetrachloride | 56-23-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.2-Dichloroethane | 107-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Trichloroethene | 79-01-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Dibromomethane | 74-95-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.1.2-Trichloroethane | 79-00-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.3-Dichloropropane | 142-28-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Tetrachloroethene | 127-18-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.1.1.2-Tetrachloroethane | 630-20-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| trans-1.4-Dichloro-2-butene | 110-57-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| cis-1.4-Dichloro-2-butene | 1476-11-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.1.2.2-Tetrachloroethane | 79-34-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP074E: Halogenated Aliphatic Compounds - Continued** | | | | | | | | | |
| 1.2.3-Trichloropropane | 96-18-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Pentachloroethane | 76-01-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.2-Dibromo-3-chloropropane | 96-12-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP074F: Halogenated Aromatic Compounds** | | | | | | | | | |
| Chlorobenzene | 108-90-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Bromobenzene | 108-86-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 2-Chlorotoluene | 95-49-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 4-Chlorotoluene | 106-43-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 1.2.3-Trichlorobenzene | 87-61-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP074G: Trihalomethanes** | | | | | | | | | |
| Chloroform | 67-66-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Bromodichloromethane | 75-27-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Dibromochloromethane | 124-48-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Bromoform | 75-25-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| Phenol | 108-95-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | | <1 | ---- | ---- | <1 | ---- |
| 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | <0.5 | ---- |
| Pentachlorophenol | 87-86-5 | 2 | mg/kg | | <2 | ---- | ---- | <2 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(k)fluoranthene** | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP075A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **3- & 4-Methylphenol** | 1319-77-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075A: Phenolic Compounds - Continued** | | | | | | | | | |
| 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Pentachlorophenol | 87-86-5 | 1 | mg/kg | | ---- | <1 | ---- | ---- | ---- |
| **EP075B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 2-Methylnaphthalene | 91-57-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 2-Chloronaphthalene | 91-58-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Fluorene | 86-73-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Anthracene | 120-12-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Pyrene | 129-00-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| N-2-Fluorenyl Acetamide | 53-96-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Chrysene | 218-01-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Benzo(b+j) & Benzo(k)fluoranthene | 205-99-2 207-08-9 | 1 | mg/kg | | ---- | <1 | ---- | ---- | ---- |
| 7.12-Dimethylbenz(a)anthracene | 57-97-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 3-Methylcholanthrene | 56-49-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| ^ **Sum of PAHs** | ---- | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | ---- | **0.6** | ---- | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | ---- | **1.2** | ---- | ---- | ---- |
| **EP075C: Phthalate Esters** | | | | | | | | | |
| **Dimethyl phthalate** | 131-11-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Diethyl phthalate** | 84-66-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Di-n-butyl phthalate** | 84-74-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Butyl benzyl phthalate** | 85-68-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **bis(2-ethylhexyl) phthalate** | 117-81-7 | 5.0 | mg/kg | | ---- | <5.0 | ---- | ---- | ---- |
| **Di-n-octylphthalate** | 117-84-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP075D: Nitrosamines** | | | | | | | | | |
| **N-Nitrosomethylethylamine** | 10595-95-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **N-Nitrosodiethylamine** | 55-18-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **N-Nitrosopyrrolidine** | 930-55-2 | 1.0 | mg/kg | | ---- | <1.0 | ---- | ---- | ---- |
| **N-Nitrosomorpholine** | 59-89-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **N-Nitrosodi-n-propylamine** | 621-64-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **N-Nitrosopiperidine** | 100-75-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **N-Nitrosodibutylamine** | 924-16-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **N-Nitrosodiphenyl & Diphenylamine** | 86-30-6 122-39-4 | 1.0 | mg/kg | | ---- | <1.0 | ---- | ---- | ---- |
| **Methapyrilene** | 91-80-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP075E: Nitroaromatics and Ketones** | | | | | | | | | |
| **2-Picoline** | 109-06-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Acetophenone** | 98-86-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Nitrobenzene** | 98-95-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075E: Nitroaromatics and Ketones - Continued** | | | | | | | | | |
| **Isophorone** | 78-59-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2.6-Dinitrotoluene** | 606-20-2 | 1.0 | mg/kg | | ---- | <1.0 | ---- | ---- | ---- |
| **2.4-Dinitrotoluene** | 121-14-2 | 1.0 | mg/kg | | ---- | <1.0 | ---- | ---- | ---- |
| **1-Naphthylamine** | 134-32-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4-Nitroquinoline-N-oxide** | 56-57-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **5-Nitro-o-toluidine** | 99-55-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Azobenzene** | 103-33-3 | 1 | mg/kg | | ---- | <1 | ---- | ---- | ---- |
| **1.3.5-Trinitrobenzene** | 99-35-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Phenacetin** | 62-44-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4-Aminobiphenyl** | 92-67-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Pentachloronitrobenzene** | 82-68-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Pronamide** | 23950-58-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Dimethylaminoazobenzene** | 60-11-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Chlorobenzilate** | 510-15-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP075F: Haloethers** | | | | | | | | | |
| **Bis(2-chloroethyl) ether** | 111-44-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Bis(2-chloroethoxy) methane** | 111-91-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4-Chlorophenyl phenyl ether** | 7005-72-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4-Bromophenyl phenyl ether** | 101-55-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP075G: Chlorinated Hydrocarbons** | | | | | | | | | |
| **1.3-Dichlorobenzene** | 541-73-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **1.4-Dichlorobenzene** | 106-46-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **1.2-Dichlorobenzene** | 95-50-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Hexachloroethane** | 67-72-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **1.2.4-Trichlorobenzene** | 120-82-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Hexachloropropylene** | 1888-71-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Hexachlorobutadiene** | 87-68-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075G: Chlorinated Hydrocarbons - Continued** | | | | | | | | | |
| **Hexachlorocyclopentadiene** | 77-47-4 | 2.5 | mg/kg | | ---- | <2.5 | ---- | ---- | ---- |
| **Pentachlorobenzene** | 608-93-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Hexachlorobenzene (HCB)** | 118-74-1 | 1.0 | mg/kg | | ---- | <1.0 | ---- | ---- | ---- |
| **EP075H: Anilines and Benzidines** | | | | | | | | | |
| **Aniline** | 62-53-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4-Chloroaniline** | 106-47-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2-Nitroaniline** | 88-74-4 | 1.0 | mg/kg | | ---- | <1.0 | ---- | ---- | ---- |
| **3-Nitroaniline** | 99-09-2 | 1.0 | mg/kg | | ---- | <1.0 | ---- | ---- | ---- |
| **Dibenzofuran** | 132-64-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4-Nitroaniline** | 100-01-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Carbazole** | 86-74-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **3.3`-Dichlorobenzidine** | 91-94-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **EP075I: Organochlorine Pesticides** | | | | | | | | | |
| **alpha-BHC** | 319-84-6 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **beta-BHC** | 319-85-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **gamma-BHC - (Lindane)** | 58-89-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **delta-BHC** | 319-86-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Heptachlor** | 76-44-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Aldrin** | 309-00-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Heptachlor epoxide** | 1024-57-3 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **alpha-Endosulfan** | 959-98-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4.4`-DDE** | 72-55-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Dieldrin** | 60-57-1 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Endrin** | 72-20-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **beta-Endosulfan** | 33213-65-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4.4`-DDD** | 72-54-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Endosulfan sulfate** | 1031-07-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | Result | Result | Result | Result | Result |
| **EP075I: Organochlorine Pesticides - Continued** | | | | | | | | |
| 4.4`-DDT | 50-29-3 | 1.0 | mg/kg | ---- | <1.0 | ---- | ---- | ---- |
| **EP075J: Organophosphorus Pesticides** | | | | | | | | |
| Dichlorvos | 62-73-7 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Dimethoate | 60-51-5 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Diazinon | 333-41-5 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Chlorpyrifos-methyl | 5598-13-0 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Malathion | 121-75-5 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Fenthion | 55-38-9 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Chlorpyrifos | 2921-88-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Pirimphos-ethyl | 23505-41-1 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Chlorfenvinphos | 470-90-6 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Prothiofos | 34643-46-4 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| Ethion | 563-12-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | |
| C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| ^ C10 - C36 Fraction (sum) | ---- | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| ^ C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| ^ >C10 - C40 Fraction (sum) | ---- | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | **77.0** | ---- | ---- | **89.3** | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | **82.8** | ---- | ---- | **95.2** | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | **85.5** | ---- | ---- | **99.3** | ---- |
| **EP074S: VOC Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.5 | % | | ---- | **87.3** | ---- | ---- | ---- |
| Toluene-D8 | 2037-26-5 | 0.5 | % | | ---- | **95.5** | ---- | ---- | ---- |
| 4-Bromofluorobenzene | 460-00-4 | 0.5 | % | | ---- | **86.0** | ---- | ---- | ---- |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | **90.3** | **87.9** | **92.7** | **90.0** | **80.2** |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | **80.1** | **84.8** | **82.0** | **91.6** | **87.1** |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | **50.9** | **48.6** | **72.3** | **66.4** | **75.8** |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | **98.6** | **95.1** | **88.6** | **96.8** | **92.9** |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | **91.0** | **91.1** | **85.5** | **96.7** | **84.0** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP20-0.1 | A1/TP20-0.4 | A1/TP21-0.2 | A1/TP22-0.2 | A1/TP23-0.2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-047 | ES2525360-048 | ES2525360-050 | ES2525360-052 | ES2525360-054 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)T: PAH Surrogates - Continued** | | | | | | | | | |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 111 | 101 | 95.2 | 112 | 101 |
| **EP075S: Acid Extractable Surrogates** | | | | | | | | | |
| 2-Fluorophenol | 367-12-4 | 0.5 | % | | ---- | 56.5 | ---- | ---- | ---- |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | ---- | 66.7 | ---- | ---- | ---- |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | ---- | 65.3 | ---- | ---- | ---- |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | ---- | 31.0 | ---- | ---- | ---- |
| **EP075T: Base/Neutral Extractable Surrogates** | | | | | | | | | |
| Nitrobenzene-D5 | 4165-60-0 | 0.5 | % | | ---- | 85.8 | ---- | ---- | ---- |
| 1.2-Dichlorobenzene-D4 | 2199-69-1 | 0.5 | % | | ---- | 87.9 | ---- | ---- | ---- |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | ---- | 94.9 | ---- | ---- | ---- |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | ---- | 74.2 | ---- | ---- | ---- |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | ---- | 97.3 | ---- | ---- | ---- |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 84.4 | 85.8 | 85.6 | 70.0 | 73.7 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 76.8 | 95.0 | 80.4 | 67.2 | 69.0 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | | 84.9 | 90.4 | 87.7 | 78.8 | 79.4 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | Result | Result | Result | Result | Result |
| **EA002: pH 1:5 (Soils)** | | | | | | | | |
| pH Value | ---- | 0.1 | pH Unit | ---- | ---- | ---- | ---- | 7.0 |
| **EA010: Conductivity (1:5)** | | | | | | | | |
| Electrical Conductivity @ 25°C | ---- | 1 | µS/cm | ---- | ---- | ---- | ---- | 18 |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | 36.2 | 26.6 | 30.9 | 43.3 | 21.9 |
| **ED007: Exchangeable Cations** | | | | | | | | |
| Exchangeable Calcium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 3.5 |
| Exchangeable Magnesium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 4.7 |
| Exchangeable Potassium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 0.1 |
| Exchangeable Sodium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 0.3 |
| Cation Exchange Capacity | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 8.6 |
| Exchangeable Sodium Percent | ---- | 0.1 | % | ---- | ---- | ---- | ---- | 3.1 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 6 | 12 | <5 | 12 | 18 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 9 | 19 | 3 | 22 | 25 |
| Copper | 7440-50-8 | 5 | mg/kg | 16 | 19 | 6 | 22 | 24 |
| Lead | 7439-92-1 | 5 | mg/kg | 14 | 21 | 6 | 26 | 22 |
| Nickel | 7440-02-0 | 2 | mg/kg | 12 | 20 | 5 | 22 | 28 |
| Zinc | 7440-66-6 | 5 | mg/kg | 41 | 70 | 15 | 102 | 58 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | 0.2 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | ---- | <0.1 | ---- | <0.1 | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| **beta-BHC** | 319-85-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **gamma-BHC - (Lindane)** | 58-89-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **delta-BHC** | 319-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Heptachlor** | 76-44-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Aldrin** | 309-00-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Heptachlor epoxide** | 1024-57-3 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ **Total Chlordane (sum)** | ---- | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **trans-Chlordane** | 5103-74-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **alpha-Endosulfan** | 959-98-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **cis-Chlordane** | 5103-71-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Dieldrin** | 60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | ---- |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | ---- |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-29-3 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | ---- |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | ---- |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | ---- |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **EP074A: Monocyclic Aromatic Hydrocarbons** | | | | | | | | |
| **Styrene** | 100-42-5 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Isopropylbenzene** | 98-82-8 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **n-Propylbenzene** | 103-65-1 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **1.3.5-Trimethylbenzene** | 108-67-8 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **sec-Butylbenzene** | 135-98-8 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **1.2.4-Trimethylbenzene** | 95-63-6 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **tert-Butylbenzene** | 98-06-6 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **p-Isopropyltoluene** | 99-87-6 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **n-Butylbenzene** | 104-51-8 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP074B: Oxygenated Compounds** | | | | | | | | | |
| **Vinyl Acetate** | 108-05-4 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **2-Butanone (MEK)** | 78-93-3 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **4-Methyl-2-pentanone (MIBK)** | 108-10-1 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **2-Hexanone (MBK)** | 591-78-6 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **EP074C: Sulfonated Compounds** | | | | | | | | | |
| **Carbon disulfide** | 75-15-0 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP074D: Fumigants** | | | | | | | | | |
| **2.2-Dichloropropane** | 594-20-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **1.2-Dichloropropane** | 78-87-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **cis-1.3-Dichloropropylene** | 10061-01-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **trans-1.3-Dichloropropylene** | 10061-02-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **1.2-Dibromoethane (EDB)** | 106-93-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP074E: Halogenated Aliphatic Compounds** | | | | | | | | | |
| **Dichlorodifluoromethane** | 75-71-8 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **Chloromethane** | 74-87-3 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **Vinyl chloride** | 75-01-4 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **Bromomethane** | 74-83-9 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **Chloroethane** | 75-00-3 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **Trichlorofluoromethane** | 75-69-4 | 5 | mg/kg | | ---- | ---- | <5 | ---- | ---- |
| **1.1-Dichloroethene** | 75-35-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Iodomethane** | 74-88-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **trans-1.2-Dichloroethene** | 156-60-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **1.1-Dichloroethane** | 75-34-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **cis-1.2-Dichloroethene** | 156-59-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **1.1.1-Trichloroethane** | 71-55-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **1.1-Dichloropropylene** | 563-58-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Carbon Tetrachloride** | 56-23-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP074E: Halogenated Aliphatic Compounds - Continued** | | | | | | | | | |
| 1.2-Dichloroethane | 107-06-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Trichloroethene | 79-01-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Dibromomethane | 74-95-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.1.2-Trichloroethane | 79-00-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.3-Dichloropropane | 142-28-9 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Tetrachloroethene | 127-18-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.1.1.2-Tetrachloroethane | 630-20-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| trans-1.4-Dichloro-2-butene | 110-57-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| cis-1.4-Dichloro-2-butene | 1476-11-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.1.2.2-Tetrachloroethane | 79-34-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.2.3-Trichloropropane | 96-18-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Pentachloroethane | 76-01-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.2-Dibromo-3-chloropropane | 96-12-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP074F: Halogenated Aromatic Compounds** | | | | | | | | | |
| Chlorobenzene | 108-90-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Bromobenzene | 108-86-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 2-Chlorotoluene | 95-49-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4-Chlorotoluene | 106-43-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.2.3-Trichlorobenzene | 87-61-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP074G: Trihalomethanes** | | | | | | | | | |
| Chloroform | 67-66-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Bromodichloromethane | 75-27-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Dibromochloromethane | 124-48-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Bromoform | 75-25-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| Phenol | 108-95-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)A: Phenolic Compounds - Continued** | | | | | | | | | |
| 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | | ---- | <1 | ---- | <1 | ---- |
| 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| Pentachlorophenol | 87-86-5 | 2 | mg/kg | | ---- | <2 | ---- | <2 | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluorene | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Anthracene | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Pyrene | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP075A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **3- & 4-Methylphenol** | 1319-77-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2.4.6-Trichlorophenol** | 88-06-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2.4.5-Trichlorophenol** | 95-95-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Pentachlorophenol** | 87-86-5 | 1 | mg/kg | | ---- | ---- | <1 | ---- | ---- |
| **EP075B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2-Methylnaphthalene** | 91-57-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **2-Chloronaphthalene** | 91-58-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | Result | Result | Result | Result | Result |
| **EP075B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **N-2-Fluorenyl Acetamide** | 53-96-3 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Benzo(b+j) & Benzo(k)fluoranthene** | 205-99-2 207-08-9 | 1 | mg/kg | ---- | ---- | <1 | ---- | ---- |
| **7.12-Dimethylbenz(a)anthracene** | 57-97-6 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **3-Methylcholanthrene** | 56-49-5 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| ^ **Sum of PAHs** | ---- | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | ---- | ---- | **0.6** | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | ---- | ---- | **1.2** | ---- | ---- |
| **EP075C: Phthalate Esters** | | | | | | | | |
| **Dimethyl phthalate** | 131-11-3 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Diethyl phthalate** | 84-66-2 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Di-n-butyl phthalate** | 84-74-2 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **Butyl benzyl phthalate** | 85-68-7 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **bis(2-ethylhexyl) phthalate** | 117-81-7 | 5.0 | mg/kg | ---- | ---- | <5.0 | ---- | ---- |
| **Di-n-octylphthalate** | 117-84-0 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **EP075D: Nitrosamines** | | | | | | | | |
| **N-Nitrosomethylethylamine** | 10595-95-6 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **N-Nitrosodiethylamine** | 55-18-5 | 0.5 | mg/kg | ---- | ---- | <0.5 | ---- | ---- |
| **N-Nitrosopyrrolidine** | 930-55-2 | 1.0 | mg/kg | ---- | ---- | <1.0 | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075D: Nitrosamines - Continued** | | | | | | | | | |
| N-Nitrosomorpholine | 59-89-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| N-Nitrosodi-n-propylamine | 621-64-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| N-Nitrosopiperidine | 100-75-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| N-Nitrosodibutylamine | 924-16-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| N-Nitrosodiphenyl & Diphenylamine | 86-30-6 122-39-4 | 1.0 | mg/kg | | ---- | ---- | <1.0 | ---- | ---- |
| Methapyrilene | 91-80-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP075E: Nitroaromatics and Ketones** | | | | | | | | | |
| 2-Picoline | 109-06-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Acetophenone | 98-86-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Nitrobenzene | 98-95-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Isophorone | 78-59-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 2.6-Dinitrotoluene | 606-20-2 | 1.0 | mg/kg | | ---- | ---- | <1.0 | ---- | ---- |
| 2.4-Dinitrotoluene | 121-14-2 | 1.0 | mg/kg | | ---- | ---- | <1.0 | ---- | ---- |
| 1-Naphthylamine | 134-32-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4-Nitroquinoline-N-oxide | 56-57-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 5-Nitro-o-toluidine | 99-55-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Azobenzene | 103-33-3 | 1 | mg/kg | | ---- | ---- | <1 | ---- | ---- |
| 1.3.5-Trinitrobenzene | 99-35-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Phenacetin | 62-44-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4-Aminobiphenyl | 92-67-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Pentachloronitrobenzene | 82-68-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Pronamide | 23950-58-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Dimethylaminoazobenzene | 60-11-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Chlorobenzilate | 510-15-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP075F: Haloethers** | | | | | | | | | |
| Bis(2-chloroethyl) ether | 111-44-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075F: Haloethers - Continued** | | | | | | | | | |
| Bis(2-chloroethoxy) methane | 111-91-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4-Bromophenyl phenyl ether | 101-55-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP075G: Chlorinated Hydrocarbons** | | | | | | | | | |
| 1.3-Dichlorobenzene | 541-73-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.4-Dichlorobenzene | 106-46-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.2-Dichlorobenzene | 95-50-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Hexachloroethane | 67-72-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 1.2.4-Trichlorobenzene | 120-82-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Hexachloropropylene | 1888-71-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Hexachlorobutadiene | 87-68-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Hexachlorocyclopentadiene | 77-47-4 | 2.5 | mg/kg | | ---- | ---- | <2.5 | ---- | ---- |
| Pentachlorobenzene | 608-93-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 1.0 | mg/kg | | ---- | ---- | <1.0 | ---- | ---- |
| **EP075H: Anilines and Benzidines** | | | | | | | | | |
| Aniline | 62-53-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4-Chloroaniline | 106-47-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 2-Nitroaniline | 88-74-4 | 1.0 | mg/kg | | ---- | ---- | <1.0 | ---- | ---- |
| 3-Nitroaniline | 99-09-2 | 1.0 | mg/kg | | ---- | ---- | <1.0 | ---- | ---- |
| Dibenzofuran | 132-64-9 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4-Nitroaniline | 100-01-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Carbazole | 86-74-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 3.3`-Dichlorobenzidine | 91-94-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP075I: Organochlorine Pesticides** | | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| beta-BHC | 319-85-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075I: Organochlorine Pesticides - Continued** | | | | | | | | | |
| delta-BHC | 319-86-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Heptachlor | 76-44-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Aldrin | 309-00-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| alpha-Endosulfan | 959-98-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4.4`-DDE | 72-55-9 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Dieldrin | 60-57-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Endrin | 72-20-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| beta-Endosulfan | 33213-65-9 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4.4`-DDD | 72-54-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Endosulfan sulfate | 1031-07-8 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| 4.4`-DDT | 50-29-3 | 1.0 | mg/kg | | ---- | ---- | <1.0 | ---- | ---- |
| **EP075J: Organophosphorus Pesticides** | | | | | | | | | |
| Dichlorvos | 62-73-7 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Dimethoate | 60-51-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Diazinon | 333-41-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Chlorpyrifos-methyl | 5598-13-0 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Malathion | 121-75-5 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Fenthion | 55-38-9 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Chlorpyrifos | 2921-88-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Pirimphos-ethyl | 23505-41-1 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Chlorfenvinphos | 470-90-6 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Prothiofos | 34643-46-4 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| Ethion | 563-12-2 | 0.5 | mg/kg | | ---- | ---- | <0.5 | ---- | ---- |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| C6 - C9 Fraction | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| C10 - C14 Fraction | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Petroleum Hydrocarbons - Continued** | | | | | | | | | |
| C15 - C28 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| C29 - C36 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ C10 - C36 Fraction (sum) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| >C10 - C16 Fraction | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| >C16 - C34 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| >C34 - C40 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ >C10 - C40 Fraction (sum) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | ---- | **74.0** | ---- | **78.5** | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | ---- | **82.3** | ---- | **81.0** | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | ---- | **74.6** | ---- | **73.7** | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A1/TP24-0.1 | A1/TP25-0.1 | A1/TP25-0.4 | A2/TP1-0.2 | A2/TP1-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-056 | ES2525360-059 | ES2525360-060 | ES2525360-063 | ES2525360-064 |
| | | | | | Result | Result | Result | Result | Result |
| **EP074S: VOC Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.5 | % | | ---- | ---- | 86.3 | ---- | ---- |
| Toluene-D8 | 2037-26-5 | 0.5 | % | | ---- | ---- | 91.6 | ---- | ---- |
| 4-Bromofluorobenzene | 460-00-4 | 0.5 | % | | ---- | ---- | 87.7 | ---- | ---- |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 84.2 | 89.0 | 92.2 | 87.5 | 81.0 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 86.6 | 91.1 | 87.1 | 87.3 | 83.8 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 55.1 | 65.4 | 50.0 | 54.7 | 73.8 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 90.9 | 93.2 | 93.0 | 87.6 | 92.2 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 93.5 | 96.1 | 91.0 | 93.7 | 87.2 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 96.9 | 113 | 95.5 | 90.1 | 101 |
| **EP075S: Acid Extractable Surrogates** | | | | | | | | | |
| 2-Fluorophenol | 367-12-4 | 0.5 | % | | ---- | ---- | 50.7 | ---- | ---- |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | ---- | ---- | 63.5 | ---- | ---- |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | ---- | ---- | 60.5 | ---- | ---- |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | ---- | ---- | 31.4 | ---- | ---- |
| **EP075T: Base/Neutral Extractable Surrogates** | | | | | | | | | |
| Nitrobenzene-D5 | 4165-60-0 | 0.5 | % | | ---- | ---- | 85.8 | ---- | ---- |
| 1.2-Dichlorobenzene-D4 | 2199-69-1 | 0.5 | % | | ---- | ---- | 85.7 | ---- | ---- |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | ---- | ---- | 93.3 | ---- | ---- |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | ---- | ---- | 76.6 | ---- | ---- |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | ---- | ---- | 100.0 | ---- | ---- |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 106 | 74.8 | 85.0 | 73.4 | 79.7 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 78.6 | 73.1 | 90.9 | 67.0 | 72.0 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | | 96.8 | 83.8 | 91.3 | 78.5 | 82.4 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A2/TP2-0.2 | A2/TP3-0.1 | A2/TP3-0.3 | A2/TP4-0.2 | A2/TP4-0.6 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-065 | ES2525360-067 | ES2525360-068 | ES2525360-070 | ES2525360-071 |
| | | | | Result | Result | Result | Result | Result |
| **EA002: pH 1:5 (Soils)** | | | | | | | | |
| pH Value | ---- | 0.1 | pH Unit | ---- | ---- | ---- | ---- | 6.1 |
| **EA010: Conductivity (1:5)** | | | | | | | | |
| Electrical Conductivity @ 25°C | ---- | 1 | µS/cm | ---- | ---- | ---- | ---- | 30 |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | 23.7 | 39.2 | 23.4 | 29.4 | 18.5 |
| **ED007: Exchangeable Cations** | | | | | | | | |
| Exchangeable Calcium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 4.9 |
| Exchangeable Magnesium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 3.8 |
| Exchangeable Potassium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 0.3 |
| Exchangeable Sodium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 0.2 |
| Cation Exchange Capacity | ---- | 0.1 | meq/100g | ---- | ---- | ---- | ---- | 9.2 |
| Exchangeable Sodium Percent | ---- | 0.1 | % | ---- | ---- | ---- | ---- | 1.9 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 12 | <5 | 13 | 9 | 13 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 17 | <2 | 22 | 16 | 21 |
| Copper | 7440-50-8 | 5 | mg/kg | 14 | 6 | 21 | 20 | 20 |
| Lead | 7439-92-1 | 5 | mg/kg | 18 | <5 | 20 | 28 | 18 |
| Nickel | 7440-02-0 | 2 | mg/kg | 12 | 2 | 21 | 15 | 20 |
| Zinc | 7440-66-6 | 5 | mg/kg | 55 | 45 | 59 | 110 | 52 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | ---- | <0.1 | ---- | <0.1 | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A2/TP2-0.2 | A2/TP3-0.1 | A2/TP3-0.3 | A2/TP4-0.2 | A2/TP4-0.6 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-065 | ES2525360-067 | ES2525360-068 | ES2525360-070 | ES2525360-071 |
| | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Aldrin | 309-00-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Endrin | 72-20-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ Endosulfan (sum) | 115-29-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | ---- |
| Endrin ketone | 53494-70-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Methoxychlor | 72-43-5 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | ---- |
| ^ Sum of Aldrin + Dieldrin | 309-00-2/60-57-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| ^ Sum of DDD + DDE + DDT | 72-54-8/72-55-9/50-29-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | |
| Dichlorvos | 62-73-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A2/TP2-0.2 | A2/TP3-0.1 | A2/TP3-0.3 | A2/TP4-0.2 | A2/TP4-0.6 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-065 | ES2525360-067 | ES2525360-068 | ES2525360-070 | ES2525360-071 |
| | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | ---- |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | ---- |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | ---- | <0.2 | ---- | <0.2 | ---- |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | ---- |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| **3- & 4-Methylphenol** | 1319-77-3 | 1 | mg/kg | ---- | <1 | ---- | <1 | ---- |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | ---- | <0.5 | ---- | <0.5 | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP2-0.2 | A2/TP3-0.1 | A2/TP3-0.3 | A2/TP4-0.2 | A2/TP4-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-065 | ES2525360-067 | ES2525360-068 | ES2525360-070 | ES2525360-071 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)A: Phenolic Compounds - Continued** | | | | | | | | | |
| 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | ---- |
| Pentachlorophenol | 87-86-5 | 2 | mg/kg | | ---- | <2 | ---- | <2 | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluorene | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Anthracene | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Pyrene | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (half LOR) | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ Benzo(a)pyrene TEQ (LOR) | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| C6 - C9 Fraction | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| C10 - C14 Fraction | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP2-0.2 | A2/TP3-0.1 | A2/TP3-0.3 | A2/TP4-0.2 | A2/TP4-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-065 | ES2525360-067 | ES2525360-068 | ES2525360-070 | ES2525360-071 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Petroleum Hydrocarbons - Continued** | | | | | | | | | |
| C15 - C28 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| C29 - C36 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ C10 - C36 Fraction (sum) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| >C10 - C16 Fraction | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| >C16 - C34 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| >C34 - C40 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ >C10 - C40 Fraction (sum) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | ---- | **74.6** | ---- | **92.6** | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | ---- | **70.7** | ---- | **95.9** | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | ---- | **66.8** | ---- | **94.3** | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP2-0.2 | A2/TP3-0.1 | A2/TP3-0.3 | A2/TP4-0.2 | A2/TP4-0.6 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-065 | ES2525360-067 | ES2525360-068 | ES2525360-070 | ES2525360-071 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 88.3 | 88.0 | 90.8 | 81.7 | 80.9 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 84.6 | 87.3 | 89.8 | 86.4 | 87.6 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 71.2 | 53.1 | 69.1 | 72.4 | 73.8 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 88.4 | 89.3 | 87.9 | 89.9 | 90.8 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 88.9 | 91.8 | 84.8 | 85.8 | 89.8 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 96.0 | 94.9 | 96.0 | 96.4 | 99.0 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 106 | 108 | 77.4 | 89.4 | 87.5 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 106 | 107 | 71.3 | 77.6 | 78.8 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | | 111 | 114 | 77.5 | 82.8 | 90.3 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A2/TP5-0.2 | A2/TP6-0.2 | A2/TP7-0.2 | A2/TP8-0.2 | A2/TP9-0.1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-072 | ES2525360-074 | ES2525360-076 | ES2525360-078 | ES2525360-080 |
| | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | 34.3 | 31.7 | 23.2 | 25.6 | 34.0 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 12 | 9 | <5 | 10 | 9 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 19 | 17 | 11 | 21 | 26 |
| Copper | 7440-50-8 | 5 | mg/kg | 18 | 18 | 20 | 59 | 78 |
| Lead | 7439-92-1 | 5 | mg/kg | 22 | 22 | 20 | 120 | 211 |
| Nickel | 7440-02-0 | 2 | mg/kg | 18 | 16 | 11 | 16 | 16 |
| Zinc | 7440-66-6 | 5 | mg/kg | 91 | 108 | 134 | 237 | 790 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | 0.1 | 0.2 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | ---- | <0.1 | ---- | <0.1 | <0.1 |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Aldrin | 309-00-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | <0.05 | <0.05 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP5-0.2 | A2/TP6-0.2 | A2/TP7-0.2 | A2/TP8-0.2 | A2/TP9-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-072 | ES2525360-074 | ES2525360-076 | ES2525360-078 | ES2525360-080 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | <0.2 |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | <0.2 |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | <0.2 |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | <0.2 |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | | ---- | <0.2 | ---- | <0.2 | <0.2 |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP5-0.2 | A2/TP6-0.2 | A2/TP7-0.2 | A2/TP8-0.2 | A2/TP9-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-072 | ES2525360-074 | ES2525360-076 | ES2525360-078 | ES2525360-080 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | <0.05 | <0.05 |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **3- & 4-Methylphenol** | 1319-77-3 | 1 | mg/kg | | ---- | <1 | ---- | <1 | <1 |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.4.6-Trichlorophenol** | 88-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **2.4.5-Trichlorophenol** | 95-95-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | <0.5 | <0.5 |
| **Pentachlorophenol** | 87-86-5 | 2 | mg/kg | | ---- | <2 | ---- | <2 | <2 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A2/TP5-0.2 | A2/TP6-0.2 | A2/TP7-0.2 | A2/TP8-0.2 | A2/TP9-0.1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-072 | ES2525360-074 | ES2525360-076 | ES2525360-078 | ES2525360-080 |
| | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(k)fluoranthene** | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| **C10 - C14 Fraction** | ---- | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| **C15 - C28 Fraction** | ---- | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| **C29 - C36 Fraction** | ---- | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| **>C10 - C16 Fraction** | ---- | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| **>C16 - C34 Fraction** | ---- | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| **>C34 - C40 Fraction** | ---- | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP5-0.2 | A2/TP6-0.2 | A2/TP7-0.2 | A2/TP8-0.2 | A2/TP9-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-072 | ES2525360-074 | ES2525360-076 | ES2525360-078 | ES2525360-080 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | ---- | 75.9 | ---- | 94.7 | 75.0 |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | ---- | 79.8 | ---- | 97.3 | 80.7 |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | ---- | 79.5 | ---- | 100 | 81.8 |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 82.5 | 80.2 | 80.9 | 86.9 | 88.4 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 85.7 | 84.5 | 86.1 | 85.5 | 83.8 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 72.0 | 72.6 | 71.8 | 66.7 | 71.1 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 89.7 | 90.2 | 93.2 | 91.7 | 89.9 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 86.8 | 87.5 | 90.1 | 90.8 | 83.7 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 95.8 | 102 | 103 | 100 | 104 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 73.2 | 104 | 118 | 72.2 | 101 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 67.6 | 67.2 | 76.7 | 69.5 | 77.0 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP5-0.2 | A2/TP6-0.2 | A2/TP7-0.2 | A2/TP8-0.2 | A2/TP9-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-072 | ES2525360-074 | ES2525360-076 | ES2525360-078 | ES2525360-080 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080S: TPH(V)/BTEX Surrogates - Continued** | | | | | | | | | |
| **4-Bromofluorobenzene** | 460-00-4 | 0.2 | % | | **72.8** | **85.7** | **90.6** | **78.0** | **92.8** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A2/TP9-0.3 | A2/TP10-0.2 | A2/TP11-0.2 | A2/TP11-0.6 | DUP 1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-081 | ES2525360-083 | ES2525360-085 | ES2525360-086 | ES2525360-087 |
| | | | | Result | Result | Result | Result | Result |
| **EA002: pH 1:5 (Soils)** | | | | | | | | |
| pH Value | ---- | 0.1 | pH Unit | ---- | ---- | ---- | 7.0 | ---- |
| **EA010: Conductivity (1:5)** | | | | | | | | |
| Electrical Conductivity @ 25°C | ---- | 1 | µS/cm | ---- | ---- | ---- | 22 | ---- |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | 22.9 | 28.0 | 31.9 | 21.0 | 34.1 |
| **ED007: Exchangeable Cations** | | | | | | | | |
| Exchangeable Calcium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | 5.0 | ---- |
| Exchangeable Magnesium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | 2.6 | ---- |
| Exchangeable Potassium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | <0.1 | ---- |
| Exchangeable Sodium | ---- | 0.1 | meq/100g | ---- | ---- | ---- | 0.4 | ---- |
| Cation Exchange Capacity | ---- | 0.1 | meq/100g | ---- | ---- | ---- | 8.1 | ---- |
| Exchangeable Sodium Percent | ---- | 0.1 | % | ---- | ---- | ---- | 4.6 | ---- |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 10 | 9 | 13 | 12 | 5 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 18 | 19 | 26 | 19 | 10 |
| Copper | 7440-50-8 | 5 | mg/kg | 27 | 49 | 90 | 18 | 15 |
| Lead | 7439-92-1 | 5 | mg/kg | 59 | 270 | 112 | 16 | 19 |
| Nickel | 7440-02-0 | 2 | mg/kg | 16 | 13 | 16 | 19 | 13 |
| Zinc | 7440-66-6 | 5 | mg/kg | 178 | 711 | 725 | 56 | 46 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | 0.3 | 0.3 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | ---- | <0.1 | ---- | ---- | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A2/TP9-0.3 | A2/TP10-0.2 | A2/TP11-0.2 | A2/TP11-0.6 | DUP 1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-081 | ES2525360-083 | ES2525360-085 | ES2525360-086 | ES2525360-087 |
| | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Aldrin | 309-00-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Endrin | 72-20-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| ^ Endosulfan (sum) | 115-29-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | ---- | <0.2 | ---- | ---- | ---- |
| Endrin ketone | 53494-70-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Methoxychlor | 72-43-5 | 0.2 | mg/kg | ---- | <0.2 | ---- | ---- | ---- |
| ^ Sum of Aldrin + Dieldrin | 309-00-2/60-57-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| ^ Sum of DDD + DDE + DDT | 72-54-8/72-55-9/50-29-3 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | |
| Dichlorvos | 62-73-7 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | A2/TP9-0.3 | A2/TP10-0.2 | A2/TP11-0.2 | A2/TP11-0.6 | DUP 1 |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-081 | ES2525360-083 | ES2525360-085 | ES2525360-086 | ES2525360-087 |
| | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | |
| Monocrotophos | 6923-22-4 | 0.2 | mg/kg | ---- | <0.2 | ---- | ---- | ---- |
| Dimethoate | 60-51-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Diazinon | 333-41-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Parathion-methyl | 298-00-0 | 0.2 | mg/kg | ---- | <0.2 | ---- | ---- | ---- |
| Malathion | 121-75-5 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Fenthion | 55-38-9 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Parathion | 56-38-2 | 0.2 | mg/kg | ---- | <0.2 | ---- | ---- | ---- |
| Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Fenamiphos | 22224-92-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Prothiofos | 34643-46-4 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Ethion | 563-12-2 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Carbophenothion | 786-19-6 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | ---- | <0.05 | ---- | ---- | ---- |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | |
| Phenol | 108-95-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | ---- | <1 | ---- | ---- | ---- |
| 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | ---- | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP9-0.3 | A2/TP10-0.2 | A2/TP11-0.2 | A2/TP11-0.6 | DUP 1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-081 | ES2525360-083 | ES2525360-085 | ES2525360-086 | ES2525360-087 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)A: Phenolic Compounds - Continued** | | | | | | | | | |
| 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| Pentachlorophenol | 87-86-5 | 2 | mg/kg | | ---- | <2 | ---- | ---- | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluorene | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Anthracene | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Pyrene | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (half LOR) | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ Benzo(a)pyrene TEQ (LOR) | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| C6 - C9 Fraction | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| C10 - C14 Fraction | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP9-0.3 | A2/TP10-0.2 | A2/TP11-0.2 | A2/TP11-0.6 | DUP 1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-081 | ES2525360-083 | ES2525360-085 | ES2525360-086 | ES2525360-087 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Petroleum Hydrocarbons - Continued** | | | | | | | | | |
| C15 - C28 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| C29 - C36 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ C10 - C36 Fraction (sum) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| >C10 - C16 Fraction | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| >C16 - C34 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| >C34 - C40 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ >C10 - C40 Fraction (sum) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | ---- | 117 | ---- | ---- | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | ---- | 127 | ---- | ---- | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | ---- | 126 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | A2/TP9-0.3 | A2/TP10-0.2 | A2/TP11-0.2 | A2/TP11-0.6 | DUP 1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 14-Aug-2025 00:00 | 13-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-081 | ES2525360-083 | ES2525360-085 | ES2525360-086 | ES2525360-087 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 81.9 | 80.5 | 82.1 | 89.5 | 86.5 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 85.5 | 85.3 | 85.3 | 89.0 | 87.0 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 74.5 | 73.8 | 71.4 | 72.8 | 52.9 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 91.4 | 90.2 | 90.0 | 91.0 | 89.8 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 89.9 | 85.3 | 88.5 | 91.4 | 80.4 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 98.6 | 98.7 | 100 | 100 | 98.3 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 82.6 | 82.4 | 76.0 | 77.6 | 73.8 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 73.1 | 74.4 | 75.9 | 80.8 | 74.2 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | | 81.8 | 84.0 | 85.2 | 88.5 | 75.4 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | DUP 2 | DUP 3 | Soil Blank | Soil Spike | Soil Control |
|---|---|---|---|---|---|---|---|---|
| | | | Sampling date / time | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 11-Aug-2025 00:00 | 11-Aug-2025 00:00 | 11-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | ES2525360-088 | ES2525360-089 | ES2525360-090 | ES2525360-091 | ES2525360-092 |
| | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | **38.0** | **33.6** | ---- | ---- | ---- |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | <5 | **12** | ---- | ---- | ---- |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | ---- | ---- | ---- |
| Chromium | 7440-47-3 | 2 | mg/kg | <2 | **18** | ---- | ---- | ---- |
| Copper | 7440-50-8 | 5 | mg/kg | **5** | **19** | ---- | ---- | ---- |
| Lead | 7439-92-1 | 5 | mg/kg | <5 | **22** | ---- | ---- | ---- |
| Nickel | 7440-02-0 | 2 | mg/kg | **3** | **18** | ---- | ---- | ---- |
| Zinc | 7440-66-6 | 5 | mg/kg | **6** | **88** | ---- | ---- | ---- |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | ---- | ---- | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | DUP 2 | DUP 3 | Soil Blank | Soil Spike | Soil Control |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 11-Aug-2025 00:00 | 11-Aug-2025 00:00 | 11-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-088 | ES2525360-089 | ES2525360-090 | ES2525360-091 | ES2525360-092 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | ---- | ---- | ---- |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | ---- | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | ---- | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | ---- | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | ---- | ---- | ---- |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 10 | mg/kg | | <10 | <10 | <10 | ---- | ---- |
| **C10 - C14 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | ---- | ---- | ---- |
| **C15 - C28 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | ---- | ---- | ---- |
| **C29 - C36 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | ---- | ---- | ---- |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | ---- | ---- | ---- |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | ---- | ---- |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | ---- | ---- |
| **>C10 - C16 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | ---- | ---- | ---- |
| **>C16 - C34 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | ---- | ---- | ---- |
| **>C34 - C40 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | ---- | ---- | ---- |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | ---- | ---- | ---- |
| ^ **>C10 - C16 Fraction minus Naphthalene (F2)** | ---- | 50 | mg/kg | | <50 | <50 | ---- | ---- | ---- |
| **EP080: BTEXN** | | | | | | | | | |
| **Benzene** | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| **Toluene** | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | **5.4** | **6.2** |
| **Ethylbenzene** | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | **6.8** | **8.2** |
| **meta- & para-Xylene** | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | **7.5** | **8.4** |
| **ortho-Xylene** | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | **3.4** | **3.8** |
| ^ **Sum of BTEX** | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | **23.1** | **26.6** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | DUP 2 | DUP 3 | Soil Blank | Soil Spike | Soil Control |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 13-Aug-2025 00:00 | 14-Aug-2025 00:00 | 11-Aug-2025 00:00 | 11-Aug-2025 00:00 | 11-Aug-2025 00:00 |
| Compound | CAS Number | LOR | Unit | | ES2525360-088 | ES2525360-089 | ES2525360-090 | ES2525360-091 | ES2525360-092 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080: BTEXN - Continued** | | | | | | | | | |
| ^ **Total Xylenes** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | **10.9** | **12.2** |
| **Naphthalene** | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| **Phenol-d6** | 13127-88-3 | 0.5 | % | | **91.6** | **82.3** | **----** | **----** | **----** |
| **2-Chlorophenol-D4** | 93951-73-6 | 0.5 | % | | **82.2** | **87.9** | **----** | **----** | **----** |
| **2.4.6-Tribromophenol** | 118-79-6 | 0.5 | % | | **53.4** | **67.8** | **----** | **----** | **----** |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| **2-Fluorobiphenyl** | 321-60-8 | 0.5 | % | | **93.9** | **92.1** | **----** | **----** | **----** |
| **Anthracene-d10** | 1719-06-8 | 0.5 | % | | **87.1** | **88.4** | **----** | **----** | **----** |
| **4-Terphenyl-d14** | 1718-51-0 | 0.5 | % | | **96.1** | **99.6** | **----** | **----** | **----** |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| **1.2-Dichloroethane-D4** | 17060-07-0 | 0.2 | % | | **79.2** | **75.2** | **98.0** | **101** | **88.5** |
| **Toluene-D8** | 2037-26-5 | 0.2 | % | | **81.4** | **77.5** | **100** | **106** | **88.7** |
| **4-Bromofluorobenzene** | 460-00-4 | 0.2 | % | | **83.2** | **80.4** | **105** | **119** | **93.1** |

## Analytical Results

| Sub-Matrix: WATER (Matrix: WATER) | | | | Sample ID | Rinse 01 | ---- | ---- | ---- | ---- |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | ---- | ---- | ---- | ---- |
| Compound | CAS Number | LOR | Unit | | ES2525360-093 | -------- | -------- | -------- | -------- |
| | | | | | Result | ---- | ---- | ---- | ---- |
| **EG020T: Total Metals by ICP-MS** | | | | | | | | | |
| **Arsenic** | 7440-38-2 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Cadmium** | 7440-43-9 | 0.0001 | mg/L | | <0.0001 | ---- | ---- | ---- | ---- |
| **Chromium** | 7440-47-3 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Copper** | 7440-50-8 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Nickel** | 7440-02-0 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Lead** | 7439-92-1 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Zinc** | 7440-66-6 | 0.005 | mg/L | | **0.012** | ---- | ---- | ---- | ---- |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | | |
| **Mercury** | 7439-97-6 | 0.0001 | mg/L | | <0.0001 | ---- | ---- | ---- | ---- |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 20 | µg/L | | <20 | ---- | ---- | ---- | ---- |
| **C10 - C14 Fraction** | ---- | 50 | µg/L | | <50 | ---- | ---- | ---- | ---- |
| **C15 - C28 Fraction** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| **C29 - C36 Fraction** | ---- | 50 | µg/L | | <50 | ---- | ---- | ---- | ---- |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | µg/L | | <50 | ---- | ---- | ---- | ---- |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 20 | µg/L | | <20 | ---- | ---- | ---- | ---- |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 20 | µg/L | | <20 | ---- | ---- | ---- | ---- |
| **>C10 - C16 Fraction** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| **>C16 - C34 Fraction** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| **>C34 - C40 Fraction** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| ^ **>C10 - C16 Fraction minus Naphthalene (F2)** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| **EP080: BTEXN** | | | | | | | | | |
| **Benzene** | 71-43-2 | 1 | µg/L | | <1 | ---- | ---- | ---- | ---- |
| **Toluene** | 108-88-3 | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: WATER (Matrix: WATER) | | | | Sample ID | Rinse 01 | ---- | ---- | ---- | ---- |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 14-Aug-2025 00:00 | ---- | ---- | ---- | ---- |
| Compound | CAS Number | LOR | Unit | | ES2525360-093 | -------- | -------- | -------- | -------- |
| | | | | | Result | ---- | ---- | ---- | ---- |
| **EP080: BTEXN - Continued** | | | | | | | | | |
| **Ethylbenzene** | 100-41-4 | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| **meta- & para-Xylene** | 108-38-3 106-42-3 | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| **ortho-Xylene** | 95-47-6 | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| ^ **Total Xylenes** | ---- | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| ^ **Sum of BTEX** | ---- | 1 | µg/L | | <1 | ---- | ---- | ---- | ---- |
| **Naphthalene** | 91-20-3 | 5 | µg/L | | <5 | ---- | ---- | ---- | ---- |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| **1.2-Dichloroethane-D4** | 17060-07-0 | 2 | % | | **88.9** | ---- | ---- | ---- | ---- |
| **Toluene-D8** | 2037-26-5 | 2 | % | | **80.4** | ---- | ---- | ---- | ---- |
| **4-Bromofluorobenzene** | 460-00-4 | 2 | % | | **80.3** | ---- | ---- | ---- | ---- |

## Surrogate Control Limits

| Sub-Matrix: SOIL | | Recovery Limits (%) | |
|---|---|---|---|
| Compound | CAS Number | Low | High |
| **EP066S: PCB Surrogate** | | | |
| Decachlorobiphenyl | 2051-24-3 | 39 | 149 |
| **EP068S: Organochlorine Pesticide Surrogate** | | | |
| Dibromo-DDE | 21655-73-2 | 49 | 147 |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | |
| DEF | 78-48-8 | 35 | 143 |
| **EP074S: VOC Surrogates** | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 64 | 130 |
| Toluene-D8 | 2037-26-5 | 66 | 136 |
| 4-Bromofluorobenzene | 460-00-4 | 60 | 122 |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | |
| Phenol-d6 | 13127-88-3 | 63 | 123 |
| 2-Chlorophenol-D4 | 93951-73-6 | 66 | 122 |
| 2.4.6-Tribromophenol | 118-79-6 | 40 | 138 |
| **EP075(SIM)T: PAH Surrogates** | | | |
| 2-Fluorobiphenyl | 321-60-8 | 70 | 122 |
| Anthracene-d10 | 1719-06-8 | 66 | 128 |
| 4-Terphenyl-d14 | 1718-51-0 | 65 | 129 |
| **EP075S: Acid Extractable Surrogates** | | | |
| 2-Fluorophenol | 367-12-4 | 29 | 149 |
| Phenol-d6 | 13127-88-3 | 32 | 128 |
| 2-Chlorophenol-D4 | 93951-73-6 | 32 | 128 |
| 2.4.6-Tribromophenol | 118-79-6 | 13 | 121 |
| **EP075T: Base/Neutral Extractable Surrogates** | | | |
| Nitrobenzene-D5 | 4165-60-0 | 33 | 125 |
| 1.2-Dichlorobenzene-D4 | 2199-69-1 | 34 | 108 |
| 2-Fluorobiphenyl | 321-60-8 | 35 | 121 |
| Anthracene-d10 | 1719-06-8 | 35 | 123 |
| 4-Terphenyl-d14 | 1718-51-0 | 33 | 125 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 63 | 125 |
| Toluene-D8 | 2037-26-5 | 67 | 124 |
| 4-Bromofluorobenzene | 460-00-4 | 66 | 131 |

| Sub-Matrix: WATER | | Recovery Limits (%) | |
|---|---|---|---|
| Compound | CAS Number | Low | High |
| **EP080S: TPH(V)/BTEX Surrogates** | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 72 | 143 |
| Toluene-D8 | 2037-26-5 | 75 | 131 |

| Sub-Matrix: **WATER** | | Recovery Limits (%) | |
|---|---|---|---|
| *Compound* | *CAS Number* | *Low* | *High* |
| **EP080S: TPH(V)/BTEX Surrogates - Continued** | | | |
| **4-Bromofluorobenzene** | 460-00-4 | 73 | 137 |

# Mandatory Fields

# CHAIN OF CUSTODY

Page 5 of 5

| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | BIOSECURITY |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | Country of Origin: (if not Australia) | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | ☐ CC Invoice to PM | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

WO Sticker to go here. (ALS use only)

*** STORAGE REQUIREMENTS** — Please check box → Standard Storage ☐ / Extended Storage ☐
Standard Storage time from receipt of samples: Waters - 3 weeks; Soils - 2 months
Speedy Disposal Date:
Note: Extended storage incurs a fee and requires a signed agreement.

*** TURNAROUND** — Please check box → (Not all tests can be expedited, contact Client Services for more information)
☐ 4+ days (no surcharge)
☐ 3 day (+15%)
☐ X 2 day (+30%)
☐ 1 day (+50%)

***ANALYSIS REQUIRED** — Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs / SVOCs | PH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Envirolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | DUP 3 | - | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 1 | TRIP 1 | - | 13/08/2025 | 1 | Soil | | | | | | | | | | 1 | | | ☐ | ☐ | Please send to Envirolab |
| 2 | TRIP 2 | - | 13/08/2025 | 1 | Soil | | | | | | | | | | 1 | | | ☐ | ☐ | Please send to Envirolab |
| 3 | TRIP 3 | - | 14/08/2025 | 1 | Soil | | | | | | | | | | 1 | | | ☐ | ☐ | Please send to Envirolab |
| | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| 90 | Soil Blank | - | 14/08/2025 | 1 | Soil | | | | | | | 1 | | | | | | ☐ | ☐ | |
| 91 | Soil Spike | - | 14/08/2025 | 1 | Soil | | | | | | | 1 | | | | | | ☐ | ☐ | |
| 92 | Soil Control | - | 14/08/2025 | 1 | Soil | | | | | | | 1 | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| 93 | Rinse 01 | - | 14/08/2025 | 4 | Water | | | | | | | | 1 | | | | | ☐ | ☐ | |

ENVIROLAB GROUP
12 Ashley St
Chatswood NSW 2067
PH: (02) 9910 6200

Job No: 388718

Date Received: 18/8/25
Time Received: 1300
Received By: SY
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Receipt Detail (Lab Use ONLY) | Chilling Method: | Ice: Frozen / Melted | Ice Bricks: Frozen / Thawed | None | Sample Temp at Receipt | °C °C °C | Security Seal Intact (circle) Yes / No / NA(None) |

Carrier Details: ☐ Courier/Post ☐ Client
Con Note #

Packaging: (Circle) Hard Esky / Foam Esky / Box/Bag/Other
Count # # #

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 15/08/2025 | Received by: NWS Signature | Date/Time: 15/8/25 1857 |
| Relinquished by: | | Signature: | | Date/Time: | | Received by: Signature | Date/Time: |

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# CHAIN OF CUSTODY

Page 1 of 5

Environmental Division Sydney
Work Order Reference
ES2525360

Telephone : +61-2-8784 8555

| Mandatory Fields | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | BIOSECURITY |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | Country of Origin: (if not Australia) | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | ☐ CC Invoice to PM | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

*** STORAGE REQUIREMENTS** — Please check box → Standard Storage ☐ / Extended Storage ☐. Standard Storage time from receipt of samples: Waters - 3 weeks, Soils - 2 months. Specify Disposal Date: Note: Extended storage incurs a fee and requires a signed agreement.

*** TURNAROUND** — Please check box → (Not all tests can be expedited, contact Client Services for more information)

- ☐ 4+ days (no surcharge)
- ☐ 3 day (+15%)
- ☒ 2 day (+30%)
- ☐ 1 day (+50%)

***ANALYSIS REQUIRED** — Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs/SVOCs | pH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Envirolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A1/TP1-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 2 | A1/TP1-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 3 | A1/TP2-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 4 | A1/TP2-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 5 | A1/TP3-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 6 | A1/TP3-0.5 | 0.5 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 7 | A1/TP4-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 8 | A1/TP4-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 9 | A1/TP4-0.7 | 0.7 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 10 | A1/TP5-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 11 | A1/TP5-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 12 | A1/TP5-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 13 | A1/TP6-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 14 | A1/TP6-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 15 | A1/TP7-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 16 | A1/TP7-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 17 | A1/TP8-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 18 | A1/TP8-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 19 | A1/TP9-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 20 | A1/TP9-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 21 | A1/TP9-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 22 | A1/TP10-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |

Subcon / Forward To / Split WO: Envirolab - Tue1, Tue2, Tue3
Lab / Analysis:
Relinquished Date:
WO No: ES2525360

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Receipt Detail (Lab Use ONLY) | Chilling Method: Ice: Frozen / Melted; Ice Bricks: Frozen / Thawed; None | Sample Temp at Receipt °C °C °C | Security Seal Intact (circle) Yes / No / NA(None) | Carrier Details / Con Note # | ☐ Courier/Post ☐ Client | Packaging: (Circle) Hard Esky, Foam Esky, Box/Bag/Other; Count # # # | |
| Relinquished by: | Chris Allen | Signature: C. Allen | Date/Time: 15/08/2025 | Received by: WWS | Signature | Date/Time: 15/8/25 1857. | |
| Relinquished by: | | Signature: | Date/Time: | Received by: | Signature | Date/Time: | |

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**Mandatory Fields**

# CHAIN OF CUSTODY



| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | | |
| *INVOICE TO: (Client default if nil) | accounts@enrs.com.au | | | | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

BIOSECURITY

Country of Origin: (if not Australia)

☐ CC Invoice to PM

*WO Sticker to go here.*
*(ALS use only)*

***ANALYSIS REQUIRED**
Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

*** STORAGE REQUIREMENTS**
Please check box → Standard Storage Standard Storage time from receipt of samples: Waters - 3 weeks Soils - 2 months
☐ Standard Storage
☐ Extended Storage
Specify Disposal Date:
Note: Extended storage incurs a fee and requires a signed agreement.

*** TURNAROUND**
Please check box →
(Not all tests can be expedited, contact Client Services for more information)
☐ 4+ days (no surcharge)
☐ 3 day (+15%)
☐ 2 day (+30%)
☐ 1 day (+50%)

| ALS Use Only / Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs / SVOCs | pH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | EnviroLab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | A1/TP10-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 24 | A1/TP10-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 25 | A1/TP11-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 26 | A1/TP11-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 27 | A1/TP12-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 28 | A1/TP12-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 29 | A1/TP13-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 30 | A1/TP13-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 31 | A1/TP14-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 32 | A1/TP14-0.4 | 0.4 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 33 | A1/TP14-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 34 | A1/TP15-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 35 | A1/TP15-0.4 | 0.4 | 13/08/2025 | 1 | Soil | | | 1 | | 1 | | | | | | | | ☐ | ☐ | |
| 36 | A1/TP15-0.5 | 0.5 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 37 | A1/TP15-0.8 | 0.8 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 38 | A1/TP16-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 39 | A1/TP16-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 40 | A1/TP17-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 41 | A1/TP17-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 42 | A1/TP18-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 43 | A1/TP18-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 44 | A1/TP19-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | 1 | | 1 | | | | | | | | ☐ | ☐ | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Receipt Detail (Lab Use ONLY) | Chilling Method: | Ice: Frozen / Melted | Ice Bricks: Frozen / Thawed | None | Sample Temp at Receipt | °C °C °C | Security Seal Intact (circle) Yes / No / NA(None) |

Carrier Details: ☐ Courier/Post ☐ Client
Con Note #

Packaging: (Circle) Hard Esky Foam Esky Box/Bag/Other
Count # # #

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/ Time: | 15/08/2025 | Received by: | NW3 |
| Relinquished by: | | Signature: | | Date/ Time: | | Received by: | |

Signature: Date/ Time: 15/8/25 1857

Signature: Date/ Time:

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18/8/25

# Mandatory Fields

# CHAIN OF CUSTODY



| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | *SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| *OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | BIOSECURITY |
| PROJECT NO/PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | Country of Origin (if not Australia) | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | ☐ CC Invoice to PM | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

*WO Sticker to go here.*
*(ALS use only)*

*** STORAGE REQUIREMENTS** — Please check box →
Standard Storage time from receipt of samples: Waters - 3 weeks; Soils - 2 months

☐ Standard Storage
☐ Extended Storage
Specify Disposal Date:
Note: Extended storage incurs a fee and requires a signed agreement.

*** TURNAROUND** — Please check box →
(Not all tests can be expedited, contact Client Services for more information)

☐ 4+ days (no surcharge)
☐ 3 day (+15%)
☒ 2 day (+30%)
☐ 1 day (+50%)

***ANALYSIS REQUIRED**
Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs / SVOCs | pH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Envirolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | A1/TP19-0.5 | 0.5 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 46 | A1/TP19-0.7 | 0.7 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 47 | A1/TP20-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 48 | A1/TP20-0.4 | 0.4 | 13/08/2025 | 1 | Soil | | | 1 | | 1 | | | | | | | | ☐ | ☐ | |
| 49 | A1/TP20-0.9 | 0.9 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 50 | A1/TP21-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 51 | A1/TP21-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 52 | A1/TP22-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 53 | A1/TP22-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 54 | A1/TP23-0.2 | 0.2 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 55 | A1/TP23-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 56 | A1/TP24-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 57 | A1/TP24-0.3 | 0.3 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 58 | A1/TP24-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 59 | A1/TP25-0.1 | 0.1 | 13/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 60 | A1/TP25-0.4 | 0.4 | 13/08/2025 | 1 | Soil | | | 1 | | 1 | | | | | | | | ☐ | ☐ | |
| 61 | A1/TP25-0.6 | 0.6 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 62 | A1/TP25-0.9 | 0.9 | 13/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 63 | A2/TP1-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 64 | A2/TP1-0.6 | 0.6 | 14/08/2025 | 1 | Soil | | | 1 | | | 1 | | | | | | | ☐ | ☐ | |
| 65 | A2/TP2-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 66 | A2/TP2-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Receipt Detail** (Lab Use ONLY) | Chilling Method: | Ice: Frozen / Melted | Ice Bricks: Frozen / Thawed | None | Sample Temp at Receipt °C °C °C | Security Seal Intact (circle) Yes / No / NA(None) | Carrier Details / Con Note # ☐ Courier/Post ☐ Client |

Packaging: (Circle) Hard Esky Foam Esky Box/Bag/Other
Count # # #

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 15/08/2025 | Received by: WCS Signature | Date/Time: 15/8/25 1857 |
| Relinquished by: | | Signature: | | Date/Time: | | Received by: Signature | Date/Time: |

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1818125

**Mandatory Fields** | **CHAIN OF CUSTODY** | **Page 4 of 5**

| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW2023ENVNAT0003 | PURCHASE ORDER NO.: | BIOSECURITY |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Air Liquide CO2 Plant DSI | Country of Origin: (if not Australia) | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | ☐ CC Invoice to PM | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

*WO Sticker to go here.*
*(ALS use only)*

***ANALYSIS REQUIRED**
Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

*** STORAGE REQUIREMENTS** *Please check box →*
☐ Standard Storage
☐ Extended Storage
*Standard Storage time from receipt of samples: Waters - 3 weeks, Soils - 2 months*
*Specify Disposal Date:*
*Note: Extended storage incurs a fee and requires a signed agreement.*

*** TURNAROUND** *Please check box →*
*(Not all tests can be expedited, contact Client Services for more information)*
☐ 4+ days (no surcharge)
☐ 3 day (+15%)
☐ X 2 day (+30%)
☐ 1 day (+50%)

| ALS Use Only Lab ID | Sample ID | Depth | Date/Time | No. Bottles | MATRIX | HOLD | | S-26 | S-19 | VOCs / SVOCs | PH, EC, CEC | S-18 | Water (TRH, 8 Heavy Metals) | | Enviolab Combo #3 | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | A2/TP3-0.1 | 0.1 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 68 | A2/TP3-0.3 | 0.3 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 69 | A2/TP3-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 70 | A2/TP4-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 71 | A2/TP4-0.6 | 0.6 | 14/08/2025 | 1 | Soil | | | 1 | | | 1 | | | | | | | ☐ | ☐ | |
| 72 | A2/TP5-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 73 | A2/TP5-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 74 | A2/TP6-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 75 | A2/TP6-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 76 | A2/TP7-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 77 | A2/TP7-0.5 | 0.5 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 78 | A2/TP8-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 79 | A2/TP8-0.5 | 0.5 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 80 | A2/TP9-0.1 | 0.1 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 81 | A2/TP9-0.3 | 0.3 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 82 | A2/TP9-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 83 | A2/TP10-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 84 | A2/TP10-0.6 | 0.6 | 14/08/2025 | 1 | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 85 | A2/TP11-0.2 | 0.2 | 14/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 86 | A2/TP11-0.6 | 0.6 | 14/08/2025 | 1 | Soil | | | 1 | | | 1 | | | | | | | ☐ | ☐ | |
| 87 | DUP 1 | - | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 88 | DUP 2 | - | 13/08/2025 | 1 | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |

| | | | | | |
|---|---|---|---|---|---|
| Receipt Detail (Lab Use ONLY) | Chilling Method: Ice: Frozen / Melted; Ice Bricks: Frozen / Thawed; None | Sample Temp at Receipt °C °C °C | Security Seal Intact (circle) Yes / No / NA(None) | Carrier Details ☐ Courier/Post ☐ Client; Con Note # | Packaging: (Circle) Hard Esky, Foam Esky, Box/Bag/Other; Count # # # |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 15/08/2025 | Received by: WCMS Signature | Date/Time: 15/8/25 1857 |
| Relinquished by: | | Signature: | | Date/Time: | | Received by: Signature | Date/Time: |

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**Envirolab Services Pty Ltd**
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# CERTIFICATE OF ANALYSIS 388718

## Client Details

| | |
|---|---|
| **Client** | ENRS |
| **Attention** | Lab Results |
| **Address** | 108 Jerry Bailey Rd, Shoalhaven Heads, NSW, 2535 |

## Sample Details

| | |
|---|---|
| **Your Reference** | **ENRS3413** |
| **Number of Samples** | 3 Soil |
| **Date samples received** | 18/08/2025 |
| **Date completed instructions received** | 18/08/2025 |

## Analysis Details

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

Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.

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

**Please refer to the last page of this report for any comments relating to the results.**

## Report Details

| | |
|---|---|
| **Date results requested by** | 20/08/2025 |
| **Date of Issue** | 20/08/2025 |

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

**Results Approved By**
Dragana Tomas, Senior Chemist
Tabitha Roberts, Senior Chemist
Timothy Toll, Senior Chemist

**Authorised By**
Nancy Zhang, Laboratory Manager

| vTRH(C6-C10)/BTEXN in Soil | | | | |
|---|---|---|---|---|
| Our Reference | | 388718-1 | 388718-2 | 388718-3 |
| Your Reference | UNITS | TRIP 1 | TRIP 2 | TRIP 3 |
| Date Sampled | | 13/08/2025 | 13/08/2025 | 14/08/2025 |
| Type of sample | | Soil | Soil | Soil |
| Date extracted | - | 18/08/2025 | 18/08/2025 | 18/08/2025 |
| Date analysed | - | 19/08/2025 | 19/08/2025 | 19/08/2025 |
| TRH $C_6$ - $C_9$ | mg/kg | <25 | <25 | <25 |
| TRH $C_6$ - $C_{10}$ | mg/kg | <25 | <25 | <25 |
| vTRH $C_6$ - $C_{10}$ less BTEX (F1) | mg/kg | <25 | <25 | <25 |
| Benzene | mg/kg | <0.2 | <0.2 | <0.2 |
| Toluene | mg/kg | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | mg/kg | <1 | <1 | <1 |
| m+p-xylene | mg/kg | <2 | <2 | <2 |
| o-Xylene | mg/kg | <1 | <1 | <1 |
| Naphthalene | mg/kg | <1 | <1 | <1 |
| Total +ve Xylenes | mg/kg | <1 | <1 | <1 |
| *Surrogate* aaa-Trifluorotoluene | % | 60 | 73 | 68 |

| svTRH (C10-C40) in Soil | | | | |
|---|---|---|---|---|
| Our Reference | | 388718-1 | 388718-2 | 388718-3 |
| Your Reference | UNITS | TRIP 1 | TRIP 2 | TRIP 3 |
| Date Sampled | | 13/08/2025 | 13/08/2025 | 14/08/2025 |
| Type of sample | | Soil | Soil | Soil |
| Date extracted | - | 18/08/2025 | 18/08/2025 | 18/08/2025 |
| Date analysed | - | 18/08/2025 | 18/08/2025 | 18/08/2025 |
| TRH $C_{10}$ - $C_{14}$ | mg/kg | <50 | <50 | <50 |
| TRH $C_{15}$ - $C_{28}$ | mg/kg | <100 | <100 | <100 |
| TRH $C_{29}$ - $C_{36}$ | mg/kg | <100 | <100 | <100 |
| Total +ve TRH (C10-C36) | mg/kg | <50 | <50 | <50 |
| TRH >$C_{10}$ -$C_{16}$ | mg/kg | <50 | <50 | <50 |
| TRH >$C_{10}$ -$C_{16}$ less Naphthalene (F2) | mg/kg | <50 | <50 | <50 |
| TRH >$C_{16}$ -$C_{34}$ | mg/kg | <100 | <100 | <100 |
| TRH >$C_{34}$ -$C_{40}$ | mg/kg | <100 | <100 | <100 |
| Total +ve TRH (>C10-C40) | mg/kg | <50 | <50 | <50 |
| *Surrogate* o-Terphenyl | % | 91 | 92 | 90 |

| PAHs in Soil | | | | |
|---|---|---|---|---|
| Our Reference | UNITS | 388718-1 | 388718-2 | 388718-3 |
| Your Reference | | TRIP 1 | TRIP 2 | TRIP 3 |
| Date Sampled | | 13/08/2025 | 13/08/2025 | 14/08/2025 |
| Type of sample | | Soil | Soil | Soil |
| Date extracted | - | 18/08/2025 | 18/08/2025 | 18/08/2025 |
| Date analysed | - | 20/08/2025 | 20/08/2025 | 20/08/2025 |
| Naphthalene | mg/kg | <0.1 | <0.1 | <0.1 |
| Acenaphthylene | mg/kg | <0.1 | <0.1 | <0.1 |
| Acenaphthene | mg/kg | <0.1 | <0.1 | <0.1 |
| Fluorene | mg/kg | <0.1 | <0.1 | <0.1 |
| Phenanthrene | mg/kg | <0.1 | <0.1 | <0.1 |
| Anthracene | mg/kg | <0.1 | <0.1 | <0.1 |
| Fluoranthene | mg/kg | <0.1 | <0.1 | <0.1 |
| Pyrene | mg/kg | <0.1 | <0.1 | <0.1 |
| Benzo(a)anthracene | mg/kg | <0.1 | <0.1 | <0.1 |
| Chrysene | mg/kg | <0.1 | <0.1 | <0.1 |
| Benzo(b,j+k)fluoranthene | mg/kg | <0.2 | <0.2 | <0.2 |
| Benzo(a)pyrene | mg/kg | <0.05 | <0.05 | <0.05 |
| Indeno(1,2,3-c,d)pyrene | mg/kg | <0.1 | <0.1 | <0.1 |
| Dibenzo(a,h)anthracene | mg/kg | <0.1 | <0.1 | <0.1 |
| Benzo(g,h,i)perylene | mg/kg | <0.1 | <0.1 | <0.1 |
| Total +ve PAH's | mg/kg | <0.05 | <0.05 | <0.05 |
| Benzo(a)pyrene TEQ calc (zero) | mg/kg | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene TEQ calc(half) | mg/kg | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene TEQ calc(PQL) | mg/kg | <0.5 | <0.5 | <0.5 |
| *Surrogate p*-Terphenyl-d14 | % | 109 | 105 | 104 |

| Acid Extractable metals in soil | | | | | |
|---|---|---|---|---|---|
| Our Reference | | 388718-1 | 388718-2 | 388718-3 | 388718-4 |
| Your Reference | UNITS | TRIP 1 | TRIP 2 | TRIP 3 | TRIP 1 - [TRIPLICATE] |
| Date Sampled | | 13/08/2025 | 13/08/2025 | 14/08/2025 | 13/08/2025 |
| Type of sample | | Soil | Soil | Soil | Soil |
| Date prepared | - | 19/08/2025 | 19/08/2025 | 19/08/2025 | 19/08/2025 |
| Date analysed | - | 19/08/2025 | 19/08/2025 | 19/08/2025 | 19/08/2025 |
| Arsenic | mg/kg | 4 | <4 | 13 | 5 |
| Cadmium | mg/kg | <0.4 | <0.4 | <0.4 | <0.4 |
| Chromium | mg/kg | 7 | 2 | 18 | 9 |
| Copper | mg/kg | 17 | 6 | 20 | 18 |
| Lead | mg/kg | 16 | 7 | 22 | 26 |
| Mercury | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel | mg/kg | 9 | 4 | 19 | 13 |
| Zinc | mg/kg | 40 | 8 | 94 | 57 |

| Moisture | | | | |
|---|---|---|---|---|
| Our Reference | | 388718-1 | 388718-2 | 388718-3 |
| Your Reference | UNITS | TRIP 1 | TRIP 2 | TRIP 3 |
| Date Sampled | | 13/08/2025 | 13/08/2025 | 14/08/2025 |
| Type of sample | | Soil | Soil | Soil |
| Date prepared | - | 18/08/2025 | 18/08/2025 | 18/08/2025 |
| Date analysed | - | 19/08/2025 | 19/08/2025 | 19/08/2025 |
| Moisture | % | 35 | 41 | 35 |

| Method ID | Methodology Summary |
|---|---|
| **Inorg-008** | Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours. |
| **Metals-020** | Determination of various metals/elements by ICP-AES.<br><br>Total Phosphate determined stochiometrically from Phosphorus (assumed to be present as Phosphate).<br><br>Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.<br><br>Submission of low masses of sample e.g. for dust samples, may result in raised PQLs.<br><br>Where molecular anion forms are calculated from an element (e.g. SO4 from S or PO4 from P stoichiometrically), the assumption is that the element is only present in that molecular anion form. |
| **Metals-021** | Determination of Mercury by Cold Vapour AAS. |
| **Org-020** | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br>F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. |
| **Org-020** | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br><br>F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.<br><br>Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40). |

| Method ID | Methodology Summary |
|---|---|
| **Org-022/025** | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.<br>For soil results:-<br>1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present.<br>2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL.<br>3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.<br>Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs. |
| **Org-023** | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. |
| **Org-023** | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. |
| **Org-023** | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.<br>Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes. |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-11 | 388718-2 |
| Date extracted | - | | | 18/08/2025 | 1 | 18/08/2025 | 18/08/2025 | | 18/08/2025 | 18/08/2025 |
| Date analysed | - | | | 19/08/2025 | 1 | 19/08/2025 | 19/08/2025 | | 19/08/2025 | 19/08/2025 |
| TRH $C_6$ - $C_9$ | mg/kg | 25 | Org-023 | <25 | 1 | <25 | <25 | 0 | 121 | 72 |
| TRH $C_6$ - $C_{10}$ | mg/kg | 25 | Org-023 | <25 | 1 | <25 | <25 | 0 | 121 | 72 |
| Benzene | mg/kg | 0.2 | Org-023 | <0.2 | 1 | <0.2 | <0.2 | 0 | 125 | 77 |
| Toluene | mg/kg | 0.5 | Org-023 | <0.5 | 1 | <0.5 | <0.5 | 0 | 120 | 73 |
| Ethylbenzene | mg/kg | 1 | Org-023 | <1 | 1 | <1 | <1 | 0 | 118 | 70 |
| m+p-xylene | mg/kg | 2 | Org-023 | <2 | 1 | <2 | <2 | 0 | 120 | 71 |
| o-Xylene | mg/kg | 1 | Org-023 | <1 | 1 | <1 | <1 | 0 | 111 | 67 |
| Naphthalene | mg/kg | 1 | Org-023 | <1 | 1 | <1 | <1 | 0 | [NT] | [NT] |
| *Surrogate* aaa-Trifluorotoluene | % | | Org-023 | 77 | 1 | 60 | 66 | 10 | 105 | 69 |

| QUALITY CONTROL: svTRH (C10-C40) in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-11 | 388718-2 |
| Date extracted | - | | | 18/08/2025 | 1 | 18/08/2025 | 18/08/2025 | | 18/08/2025 | 18/08/2025 |
| Date analysed | - | | | 18/08/2025 | 1 | 18/08/2025 | 18/08/2025 | | 18/08/2025 | 18/08/2025 |
| TRH $C_{10}$ - $C_{14}$ | mg/kg | 50 | Org-020 | <50 | 1 | <50 | <50 | 0 | 113 | 110 |
| TRH $C_{15}$ - $C_{28}$ | mg/kg | 100 | Org-020 | <100 | 1 | <100 | <100 | 0 | 105 | 104 |
| TRH $C_{29}$ - $C_{36}$ | mg/kg | 100 | Org-020 | <100 | 1 | <100 | <100 | 0 | 129 | 100 |
| TRH >$C_{10}$ -$C_{16}$ | mg/kg | 50 | Org-020 | <50 | 1 | <50 | <50 | 0 | 113 | 110 |
| TRH >$C_{16}$ -$C_{34}$ | mg/kg | 100 | Org-020 | <100 | 1 | <100 | <100 | 0 | 105 | 104 |
| TRH >$C_{34}$ -$C_{40}$ | mg/kg | 100 | Org-020 | <100 | 1 | <100 | <100 | 0 | 129 | 100 |
| *Surrogate* o-Terphenyl | % | | Org-020 | 89 | 1 | 91 | 91 | 0 | 103 | 92 |

| QUALITY CONTROL: PAHs in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-11 | 388718-2 |
| Date extracted | - | | | 18/08/2025 | 1 | 18/08/2025 | 18/08/2025 | | 18/08/2025 | 18/08/2025 |
| Date analysed | - | | | 20/08/2025 | 1 | 20/08/2025 | 20/08/2025 | | 20/08/2025 | 20/08/2025 |
| Naphthalene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 98 | 100 |
| Acenaphthylene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Acenaphthene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 96 | 100 |
| Fluorene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 100 | 102 |
| Phenanthrene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 100 | 100 |
| Anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Fluoranthene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 96 | 96 |
| Pyrene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 96 | 94 |
| Benzo(a)anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Chrysene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 92 | 82 |
| Benzo(b,j+k)fluoranthene | mg/kg | 0.2 | Org-022/025 | <0.2 | 1 | <0.2 | <0.2 | 0 | [NT] | [NT] |
| Benzo(a)pyrene | mg/kg | 0.05 | Org-022/025 | <0.05 | 1 | <0.05 | <0.05 | 0 | 96 | 62 |
| Indeno(1,2,3-c,d)pyrene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Dibenzo(a,h)anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Benzo(g,h,i)perylene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| *Surrogate p*-Terphenyl-d14 | % | | Org-022/025 | 106 | 1 | 109 | 105 | 4 | 99 | 103 |

| QUALITY CONTROL: Acid Extractable metals in soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-11 | 388718-2 |
| Date prepared | - | | | 19/08/2025 | 1 | 19/08/2025 | 19/08/2025 | | 19/08/2025 | 19/08/2025 |
| Date analysed | - | | | 19/08/2025 | 1 | 19/08/2025 | 19/08/2025 | | 19/08/2025 | 19/08/2025 |
| Arsenic | mg/kg | 4 | Metals-020 | <4 | 1 | 4 | 5 | 22 | 117 | 112 |
| Cadmium | mg/kg | 0.4 | Metals-020 | <0.4 | 1 | <0.4 | <0.4 | 0 | 105 | 103 |
| Chromium | mg/kg | 1 | Metals-020 | <1 | 1 | 7 | 11 | 44 | 109 | 106 |
| Copper | mg/kg | 1 | Metals-020 | <1 | 1 | 17 | 18 | 6 | 114 | 114 |
| Lead | mg/kg | 1 | Metals-020 | <1 | 1 | 16 | 24 | 40 | 109 | 110 |
| Mercury | mg/kg | 0.1 | Metals-021 | <0.1 | 1 | <0.1 | <0.1 | 0 | 111 | 103 |
| Nickel | mg/kg | 1 | Metals-020 | <1 | 1 | 9 | 15 | 50 | 112 | 110 |
| Zinc | mg/kg | 1 | Metals-020 | <1 | 1 | 40 | 57 | 35 | 115 | 114 |

## Result Definitions

| | |
|---|---|
| **NT** | Not tested |
| **NA** | Test not required |
| **INS** | Insufficient sample for this test |
| **PQL** | Practical Quantitation Limit |
| **<** | Less than |
| **>** | Greater than |
| **RPD** | Relative Percent Difference |
| **LCS** | Laboratory Control Sample |
| **NS** | Not specified |
| **NEPM** | National Environmental Protection Measure |
| **NR** | Not Reported |

## Quality Control Definitions

| | |
|---|---|
| **Blank** | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples. |
| **Duplicate** | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable. |
| **Matrix Spike** | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| **LCS (Laboratory Control Sample)** | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample. |
| **Surrogate Spike** | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples. |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

## Report Comments

Acid Extractable Metals in Soil: The laboratory RPD acceptance criteria has been exceeded for 388718-1 for Pb and Ni. Therefore a triplicate result has been issued as laboratory sample number 388718-4.

# CHAIN OF CUSTODY

Page 1 of 2

**Mandatory Fields**

| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE (Invoicing Office) | Shoalhaven Heads | ALS QUOTE # (Client PO if blank) | EW23ENVNAT0003 V2 | PURCHASE ORDER NO.: | |
| PROJECT NO./PROJECT | ENRS3413 | SITE: | Pipeline Rev2 DSI | | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | | |
| *EMAIL REPORTS TO (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

BIOSECURITY

Country of Origin: (if not Australia)

☐ CC Invoice to PM

Environmental Division Wollongong
Work Order Reference
EW2600934

Telephone : 02 42253125

*** STORAGE REQUIREMENTS** (Please check box →)
Standard Storage time from receipt of samples: Waters - 3 weeks, Soils - 2 months

☐ Standard Storage
☐ Extended Storage

Specify Disposal Date:

***Note: Extended storage incurs a fee and requires a signed agreement.***

*** TURNAROUND** (Please check box →) (Not all tests can be expedited, contact Client Services for more information)

☒ 4+ days (no surcharge)
☐ 3 day (+15%)
☐ 2 day (+30%)
☐ 1 day (+50%)

***ANALYSIS REQUIRED**
Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only / Lab ID | Sample ID | Depth | Date/Time | No. Bottles | No. Bags | Matrix | HOLD | | S-26 | S-19 | | S-18 | W-26 | | Envirolab Combo #3 | | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | EA2/TP1-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 2 | EA2/TP1-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 3 | EA2/TP1-1.5 | 1.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 4 | EA2/TP2-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 5 | EA2/TP2-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 6 | EA2/TP3-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 7 | EA2/TP3-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 8 | EA2/TP4-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 9 | EA2/TP4-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 10 | EA2/TP5-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 11 | EA2/TP5-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 12 | EA2/TP6-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 13 | EA2/TP6-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 14 | EA2/TP6-1.5 | 1.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | | | ☐ | ☐ | |
| 15 | EA2/TP7-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 16 | EA2/TP7-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| 17 | EA2/TP8-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | | 1 | | | | | | | | | ☐ | ☐ | |
| 18 | EA2/TP8-0.6 | 0.6 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| 19 | EA2/DUP 4 | | 18/02/2026 | 1 | | Soil | 2 | | 1 | | | | | | | | | | ☐ | ☐ | |
| 20 | EA2/TRIP 4 | | 18/02/2026 | 1 | | Soil | | | | | | | | | 1 | | | | ☐ | ☐ | **Please send to Envirolab** |
| | | | | | | Qty | 7 | | 8 | 4 | | | | | 1 | | | | ☐ | ☐ | |

**Receipt Detail** (Lab Use ONLY)
Chilling Method: Ice: Frozen / Melted — Ice Bricks: Frozen / Thawed — None
Sample(s) Temp at Receipt: 7.6 °C 9.8 °C 5.3 °C
Security Seal Intact (circle): Yes / No / N/A(None)
Carrier Details: ☐ Courier/Post ☑ Client
Con Note #:
Packaging: (circle) Hard Esky, Foam Esky, Box/Bag/Other
Count: # 1 # #

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 19/02/2026 |
| Relinquished by: | | Signature: | | Date/Time: | |
| Received by: | | Signature | | Date/Time: | |
| Received by: | | Signature | | Date/Time: | 19/2/26 |

# CHAIN OF CUSTODY

Page 2 of 2

**Mandatory Fields**

| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE: (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW23ENVNAT0003 V2 | PURCHASE ORDER NO.: | |
| PROJECT NO./PROJECT: | ENRS3413 | SITE: | Pipeline Rev2 DSI | | |
| *INVOICE TO: (client default if nil) | accounts@enrs.com.au | | | | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

BIOSECURITY

Country of Origin: (if not Australia)

☐ CC Invoice to PM

WO Sticker to go here. (ALS use only)

*** STORAGE REQUIREMENTS**

Please check box →

Standard Storage time from receipt of samples: Waters - 3 weeks; Soils - 2 months

☐ Standard Storage

☐ Extended Storage

Specify Disposal Date:

Note: Extended storage incurs a fee and requires a signed agreement.

*** TURNAROUND**

Please check box → (Not all tests can be expedited, contact Client Services for more information)

☒ 4+ days (no surcharge)

☐ 3 day (+15%)

☐ 2 day (+30%)

☐ 1 day (+50%)

***ANALYSIS REQUIRED**

Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

| ALS Use Only / Lab ID | Sample ID | Depth | Date/Time | No. Bottles | No. Bags | Matrix | HOLD | | S-26 | S-19 | | S-18 | W-26 | | Envirolab Combo #3 | | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Trip Blank | - | 18/02/2026 | 1 | | Soil | | | | | | 1 | | | | | | | ☐ | ☐ | |
| 22 | Trip Spike | - | 18/02/2026 | 1 | | Soil | | | | | | 1 | | | | | | | ☐ | ☐ | |
| 23 | Control | - | 18/02/2026 | 1 | | Soil | | | | | | 1 | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| 24 | Rinse 02 | - | 18/02/2026 | | | W | | | | | | | 1 | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| | | | | | | Qty | | | | | | 3 | 1 | | | | | | ☐ | ☐ | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Receipt Detail (Lab Use ONLY) | Chilling Method: | Ice: Frozen / Melted | Ice Bricks: Frozen / Thawed | None | Sample Temp at Receipt: °C °C °C | Security Seal Intact (circle): Yes / No / NA(None) |

Carrier Details: ☐ Courier/Post ☐ Client

Con Note #

Packaging: (Circle) Hard Esky Foam Esky Box/Bag/Other

Count # # #

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 19/02/2026 | Received by: | Signature: Date/Time: |
| Relinquished by: | | Signature: | | Date/Time: | | Received by: | Signature: Date/Time: |

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| **Work Order** | : **EW2600934** | Page | : 1 of 26 |
| Client | : **ENVIRONMENT & NATURAL RESOURCE SOLUTIONS** | Laboratory | : Environmental Division NSW South Coast |
| Contact | : LAB ENRS | Contact | : Aneta Prosaroski |
| Address | : 108 Jerry Bailey Road<br>Shoalhaven Heads 2535 | Address | : 1/19 Ralph Black Dr, North Wollongong 2500 NSW Australia |
| Telephone | : 02 9037 4708 | Telephone | : 02 42253125 |
| Project | : ENRS3413 | Date Samples Received | : 19-Feb-2026 15:24 |
| Order number | : ENRS3413 | Date Analysis Commenced | : 20-Feb-2026 |
| C-O-C number | : ---- | Issue Date | : 25-Feb-2026 16:54 |
| Sampler | : Client- CA | | |
| Site | : Pipeline Rev2 DSI | | |
| Quote number | : EW23ENVNAT0003 V2 | | |
| No. of samples received | : 23 | | |
| No. of samples analysed | : 17 | | |

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

**Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.**

## *Signatories*

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

| *Signatories* | *Position* | *Accreditation Category* |
|---|---|---|
| Ankit Joshi | Senior Chemist - Inorganics | Sydney Inorganics, Smithfield, NSW |
| Edwandy Fadjar | Organic Coordinator | Sydney Organics, Smithfield, NSW |

## General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP075 (SIM): Where reported, Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero.
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP068: Where reported, Total OCP is the sum of the reported concentrations of all Organochlorine Pesticides at or above LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EG005: Poor spike recovery was obtained for Zinc on sample ES2605493 - #003. Results have been confirmed by redigestion and reanalysis.
- EP080: The trip spike and its control have been analysed for volatile TPH and BTEXN only. The trip spike and control were prepared in the lab using reagent grade sand spiked with petrol. The spike was dispatched from the lab and the control retained.

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP1-0.1 | EA2/TP1-0.5 | EA2/TP2-0.1 | EA2/TP3-0.1 | EA2/TP4-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-001 | EW2600934-002 | EW2600934-004 | EW2600934-006 | EW2600934-008 |
| | | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | | 28.0 | 24.3 | 10.0 | 22.1 | 22.5 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | | 13 | 15 | 9 | 11 | 12 |
| Cadmium | 7440-43-9 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | | 22 | 22 | 16 | 22 | 20 |
| Copper | 7440-50-8 | 5 | mg/kg | | 20 | 21 | 23 | 18 | 18 |
| Lead | 7439-92-1 | 5 | mg/kg | | 27 | 24 | 17 | 22 | 24 |
| Nickel | 7440-02-0 | 2 | mg/kg | | 23 | 19 | 15 | 18 | 17 |
| Zinc | 7440-66-6 | 5 | mg/kg | | 61 | 57 | 61 | 63 | 59 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | | <0.1 | ---- | ---- | ---- | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Aldrin | 309-00-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP1-0.1 | EA2/TP1-0.5 | EA2/TP2-0.1 | EA2/TP3-0.1 | EA2/TP4-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-001 | EW2600934-002 | EW2600934-004 | EW2600934-006 | EW2600934-008 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP1-0.1 | EA2/TP1-0.5 | EA2/TP2-0.1 | EA2/TP3-0.1 | EA2/TP4-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-001 | EW2600934-002 | EW2600934-004 | EW2600934-006 | EW2600934-008 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **3- & 4-Methylphenol** | 1319-77-3 | 1 | mg/kg | | <1 | ---- | ---- | ---- | ---- |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.4.6-Trichlorophenol** | 88-06-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.4.5-Trichlorophenol** | 95-95-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **Pentachlorophenol** | 87-86-5 | 2 | mg/kg | | <2 | ---- | ---- | ---- | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP1-0.1 | EA2/TP1-0.5 | EA2/TP2-0.1 | EA2/TP3-0.1 | EA2/TP4-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-001 | EW2600934-002 | EW2600934-004 | EW2600934-006 | EW2600934-008 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(k)fluoranthene** | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **C10 - C14 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **C15 - C28 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **C29 - C36 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| **>C10 - C16 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **>C16 - C34 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| **>C34 - C40 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP1-0.1 | EA2/TP1-0.5 | EA2/TP2-0.1 | EA2/TP3-0.1 | EA2/TP4-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-001 | EW2600934-002 | EW2600934-004 | EW2600934-006 | EW2600934-008 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | 102 | ---- | ---- | ---- | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | 70.6 | ---- | ---- | ---- | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | 92.4 | ---- | ---- | ---- | ---- |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 74.0 | 80.7 | 79.2 | 82.3 | 76.3 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 75.2 | 78.4 | 83.5 | 89.9 | 85.7 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 93.3 | 97.0 | 95.5 | 96.9 | 96.4 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 85.8 | 87.2 | 89.5 | 93.4 | 90.3 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 90.3 | 91.1 | 88.4 | 92.9 | 90.4 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 76.6 | 80.3 | 79.4 | 82.1 | 78.4 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 95.0 | 102 | 105 | 104 | 96.4 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 75.0 | 74.4 | 78.2 | 80.3 | 76.6 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP1-0.1 | EA2/TP1-0.5 | EA2/TP2-0.1 | EA2/TP3-0.1 | EA2/TP4-0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-001 | EW2600934-002 | EW2600934-004 | EW2600934-006 | EW2600934-008 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080S: TPH(V)/BTEX Surrogates - Continued** | | | | | | | | | |
| **4-Bromofluorobenzene** | 460-00-4 | 0.2 | % | | **97.0** | **97.2** | **104** | **107** | **98.7** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP4-0.5 | EA2/TP5-0.1 | EA2/TP6-0.1 | EA2/TP7-0.1 | EA2/TP7-0.5 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-009 | EW2600934-010 | EW2600934-012 | EW2600934-015 | EW2600934-016 |
| | | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | | 14.3 | 29.1 | 19.1 | 18.7 | 9.9 |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | | 14 | 16 | 12 | 10 | 17 |
| Cadmium | 7440-43-9 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | | 20 | 27 | 22 | 18 | 25 |
| Copper | 7440-50-8 | 5 | mg/kg | | 17 | 26 | 22 | 25 | 15 |
| Lead | 7439-92-1 | 5 | mg/kg | | 18 | 26 | 20 | 33 | 57 |
| Nickel | 7440-02-0 | 2 | mg/kg | | 20 | 26 | 22 | 15 | 11 |
| Zinc | 7440-66-6 | 5 | mg/kg | | 43 | 180 | 155 | 117 | 49 |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | | ---- | <0.1 | ---- | ---- | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| Aldrin | 309-00-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP4-0.5 | EA2/TP5-0.1 | EA2/TP6-0.1 | EA2/TP7-0.1 | EA2/TP7-0.5 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-009 | EW2600934-010 | EW2600934-012 | EW2600934-015 | EW2600934-016 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| **4.4`-DDE** | 72-55-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Endrin** | 72-20-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **beta-Endosulfan** | 33213-65-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| ^ **Endosulfan (sum)** | 115-29-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **4.4`-DDD** | 72-54-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Endrin aldehyde** | 7421-93-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Endosulfan sulfate** | 1031-07-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **4.4`-DDT** | 50-29-3 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | ---- |
| **Endrin ketone** | 53494-70-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Methoxychlor** | 72-43-5 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | ---- |
| ^ **Sum of Aldrin + Dieldrin** | 309-00-2/60-57-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| ^ **Sum of DDD + DDE + DDT** | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| **Dichlorvos** | 62-73-7 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Demeton-S-methyl** | 919-86-8 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Monocrotophos** | 6923-22-4 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | ---- |
| **Dimethoate** | 60-51-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Diazinon** | 333-41-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Chlorpyrifos-methyl** | 5598-13-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Parathion-methyl** | 298-00-0 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | ---- |
| **Malathion** | 121-75-5 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Fenthion** | 55-38-9 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Chlorpyrifos** | 2921-88-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Parathion** | 56-38-2 | 0.2 | mg/kg | | ---- | <0.2 | ---- | ---- | ---- |
| **Pirimphos-ethyl** | 23505-41-1 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Chlorfenvinphos** | 470-90-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP4-0.5 | EA2/TP5-0.1 | EA2/TP6-0.1 | EA2/TP7-0.1 | EA2/TP7-0.5 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-009 | EW2600934-010 | EW2600934-012 | EW2600934-015 | EW2600934-016 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | ---- | <0.05 | ---- | ---- | ---- |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **3- & 4-Methylphenol** | 1319-77-3 | 1 | mg/kg | | ---- | <1 | ---- | ---- | ---- |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2.4.6-Trichlorophenol** | 88-06-2 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **2.4.5-Trichlorophenol** | 95-95-4 | 0.5 | mg/kg | | ---- | <0.5 | ---- | ---- | ---- |
| **Pentachlorophenol** | 87-86-5 | 2 | mg/kg | | ---- | <2 | ---- | ---- | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP4-0.5 | EA2/TP5-0.1 | EA2/TP6-0.1 | EA2/TP7-0.1 | EA2/TP7-0.5 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-009 | EW2600934-010 | EW2600934-012 | EW2600934-015 | EW2600934-016 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| Pyrene | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (half LOR) | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | **0.6** | **0.6** |
| ^ Benzo(a)pyrene TEQ (LOR) | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | **1.2** | **1.2** |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| C6 - C9 Fraction | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| C10 - C14 Fraction | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| C15 - C28 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| C29 - C36 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ C10 - C36 Fraction (sum) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| ^ C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | <10 |
| >C10 - C16 Fraction | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| >C16 - C34 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| >C34 - C40 Fraction | ---- | 100 | mg/kg | | <100 | <100 | <100 | <100 | <100 |
| ^ >C10 - C40 Fraction (sum) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP4-0.5 | EA2/TP5-0.1 | EA2/TP6-0.1 | EA2/TP7-0.1 | EA2/TP7-0.5 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-009 | EW2600934-010 | EW2600934-012 | EW2600934-015 | EW2600934-016 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | <50 | <50 |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | ---- | 109 | ---- | ---- | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | ---- | 74.8 | ---- | ---- | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | ---- | 101 | ---- | ---- | ---- |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | 112 | 74.7 | 88.3 | 86.5 | 88.7 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | 105 | 81.8 | 88.1 | 80.2 | 80.4 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | 128 | 92.8 | 90.8 | 95.4 | 87.9 |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | 118 | 91.4 | 91.6 | 89.2 | 88.1 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | 93.4 | 90.7 | 91.6 | 90.4 | 85.5 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | 101 | 78.3 | 78.9 | 79.4 | 77.7 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | 108 | 102 | 101 | 106 | 112 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | 82.8 | 72.0 | 77.3 | 83.7 | 92.1 |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP4-0.5 | EA2/TP5-0.1 | EA2/TP6-0.1 | EA2/TP7-0.1 | EA2/TP7-0.5 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-009 | EW2600934-010 | EW2600934-012 | EW2600934-015 | EW2600934-016 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080S: TPH(V)/BTEX Surrogates - Continued** | | | | | | | | | |
| **4-Bromofluorobenzene** | 460-00-4 | 0.2 | % | | **108** | **97.0** | **104** | **102** | **115** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP8-0.1 | EA2/TP8-0.6 | EA2/DUP 4 | Trip Blank | Trip Spike |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-017 | EW2600934-018 | EW2600934-019 | EW2600934-020 | EW2600934-021 |
| | | | | | Result | Result | Result | Result | Result |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | | |
| Moisture Content | ---- | 1.0 | % | | 16.9 | 8.9 | 8.1 | ---- | ---- |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | | 8 | 9 | 10 | ---- | ---- |
| Cadmium | 7440-43-9 | 1 | mg/kg | | <1 | <1 | <1 | ---- | ---- |
| Chromium | 7440-47-3 | 2 | mg/kg | | 17 | 17 | 28 | ---- | ---- |
| Copper | 7440-50-8 | 5 | mg/kg | | 18 | 16 | 11 | ---- | ---- |
| Lead | 7439-92-1 | 5 | mg/kg | | 47 | 15 | 13 | ---- | ---- |
| Nickel | 7440-02-0 | 2 | mg/kg | | 10 | 14 | 11 | ---- | ---- |
| Zinc | 7440-66-6 | 5 | mg/kg | | 85 | 47 | 33 | ---- | ---- |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | | <0.1 | <0.1 | <0.1 | ---- | ---- |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | | |
| Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | | <0.1 | ---- | ---- | ---- | ---- |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Aldrin | 309-00-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| ^ Total Chlordane (sum) | ---- | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP8-0.1 | EA2/TP8-0.6 | EA2/DUP 4 | Trip Blank | Trip Spike |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-017 | EW2600934-018 | EW2600934-019 | EW2600934-020 | EW2600934-021 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068A: Organochlorine Pesticides (OC) - Continued** | | | | | | | | | |
| 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Endrin | 72-20-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| ^ Endosulfan (sum) | 115-29-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| Endrin ketone | 53494-70-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Methoxychlor | 72-43-5 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| ^ Sum of Aldrin + Dieldrin | 309-00-2/60-57-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| ^ Sum of DDD + DDE + DDT | 72-54-8/72-55-9/50-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | | | |
| Dichlorvos | 62-73-7 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Monocrotophos | 6923-22-4 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| Dimethoate | 60-51-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Diazinon | 333-41-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Parathion-methyl | 298-00-0 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| Malathion | 121-75-5 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Fenthion | 55-38-9 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Parathion | 56-38-2 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP8-0.1 | EA2/TP8-0.6 | EA2/DUP 4 | Trip Blank | Trip Spike |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-017 | EW2600934-018 | EW2600934-019 | EW2600934-020 | EW2600934-021 |
| | | | | | Result | Result | Result | Result | Result |
| **EP068B: Organophosphorus Pesticides (OP) - Continued** | | | | | | | | | |
| **Bromophos-ethyl** | 4824-78-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Fenamiphos** | 22224-92-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Prothiofos** | 34643-46-4 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Ethion** | 563-12-2 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Carbophenothion** | 786-19-6 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **Azinphos Methyl** | 86-50-0 | 0.05 | mg/kg | | <0.05 | ---- | ---- | ---- | ---- |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | | | |
| **Phenol** | 108-95-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2-Chlorophenol** | 95-57-8 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2-Methylphenol** | 95-48-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **3- & 4-Methylphenol** | 1319-77-3 | 1 | mg/kg | | <1 | ---- | ---- | ---- | ---- |
| **2-Nitrophenol** | 88-75-5 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.4-Dimethylphenol** | 105-67-9 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.4-Dichlorophenol** | 120-83-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.6-Dichlorophenol** | 87-65-0 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **4-Chloro-3-methylphenol** | 59-50-7 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.4.6-Trichlorophenol** | 88-06-2 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **2.4.5-Trichlorophenol** | 95-95-4 | 0.5 | mg/kg | | <0.5 | ---- | ---- | ---- | ---- |
| **Pentachlorophenol** | 87-86-5 | 2 | mg/kg | | <2 | ---- | ---- | ---- | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Acenaphthylene** | 208-96-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Acenaphthene** | 83-32-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Fluorene** | 86-73-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Phenanthrene** | 85-01-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Anthracene** | 120-12-7 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Fluoranthene** | 206-44-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP8-0.1 | EA2/TP8-0.6 | EA2/DUP 4 | Trip Blank | Trip Spike |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-017 | EW2600934-018 | EW2600934-019 | EW2600934-020 | EW2600934-021 |
| | | | | | Result | Result | Result | Result | Result |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| **Pyrene** | 129-00-0 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Benz(a)anthracene** | 56-55-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Chrysene** | 218-01-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Benzo(k)fluoranthene** | 207-08-9 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Dibenz(a.h)anthracene** | 53-70-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| **Benzo(g.h.i)perylene** | 191-24-2 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (half LOR)** | ---- | 0.5 | mg/kg | | **0.6** | **0.6** | **0.6** | ---- | ---- |
| ^ **Benzo(a)pyrene TEQ (LOR)** | ---- | 0.5 | mg/kg | | **1.2** | **1.2** | **1.2** | ---- | ---- |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 10 | mg/kg | | <10 | <10 | <10 | <10 | **47** |
| **C10 - C14 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | ---- | ---- |
| **C15 - C28 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | ---- | ---- |
| **C29 - C36 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | ---- | ---- |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | ---- | ---- |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 10 | mg/kg | | <10 | <10 | <10 | <10 | **60** |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 10 | mg/kg | | <10 | <10 | <10 | <10 | **37** |
| **>C10 - C16 Fraction** | ---- | 50 | mg/kg | | <50 | <50 | <50 | ---- | ---- |
| **>C16 - C34 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | ---- | ---- |
| **>C34 - C40 Fraction** | ---- | 100 | mg/kg | | <100 | <100 | <100 | ---- | ---- |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 50 | mg/kg | | <50 | <50 | <50 | ---- | ---- |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP8-0.1 | EA2/TP8-0.6 | EA2/DUP 4 | Trip Blank | Trip Spike |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-017 | EW2600934-018 | EW2600934-019 | EW2600934-020 | EW2600934-021 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | | | |
| ^ >C10 - C16 Fraction minus Naphthalene (F2) | ---- | 50 | mg/kg | | <50 | <50 | <50 | ---- | ---- |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | **5.6** |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | **6.8** |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | **7.1** |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | **3.1** |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | <0.2 | <0.2 | <0.2 | <0.2 | **22.6** |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | <0.5 | <0.5 | <0.5 | <0.5 | **10.2** |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | <1 | <1 | <1 | <1 |
| **EP066S: PCB Surrogate** | | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | **114** | ---- | ---- | ---- | ---- |
| **EP068S: Organochlorine Pesticide Surrogate** | | | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | **127** | ---- | ---- | ---- | ---- |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | **79.0** | ---- | ---- | ---- | ---- |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | **120** | **82.0** | **91.0** | ---- | ---- |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | **122** | **78.7** | **91.2** | ---- | ---- |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | **89.9** | **84.2** | **76.9** | ---- | ---- |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | **92.4** | **87.4** | **89.1** | ---- | ---- |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | **127** | **89.4** | **93.5** | ---- | ---- |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | **111** | **77.3** | **102** | ---- | ---- |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | **96.1** | **108** | **106** | **113** | **85.7** |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | **75.1** | **86.2** | **81.4** | **92.2** | **94.9** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | EA2/TP8-0.1 | EA2/TP8-0.6 | EA2/DUP 4 | Trip Blank | Trip Spike |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 | 18-Feb-2026 00:00 |
| Compound | CAS Number | LOR | Unit | | EW2600934-017 | EW2600934-018 | EW2600934-019 | EW2600934-020 | EW2600934-021 |
| | | | | | Result | Result | Result | Result | Result |
| **EP080S: TPH(V)/BTEX Surrogates - Continued** | | | | | | | | | |
| **4-Bromofluorobenzene** | 460-00-4 | 0.2 | % | | **93.9** | **105** | **101** | **112** | **93.3** |

## Analytical Results

| Sub-Matrix: SOIL (Matrix: SOIL) | | | | Sample ID | Control | ---- | ---- | ---- | ---- |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | ---- | ---- | ---- | ---- |
| Compound | CAS Number | LOR | Unit | | EW2600934-022 | -------- | -------- | -------- | -------- |
| | | | | | Result | ---- | ---- | ---- | ---- |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| C6 - C9 Fraction | ---- | 10 | mg/kg | | **70** | ---- | ---- | ---- | ---- |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | | **87** | ---- | ---- | ---- | ---- |
| ^ C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | | **56** | ---- | ---- | ---- | ---- |
| **EP080: BTEXN** | | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | <0.2 | ---- | ---- | ---- | ---- |
| Toluene | 108-88-3 | 0.5 | mg/kg | | **8.2** | ---- | ---- | ---- | ---- |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | **9.3** | ---- | ---- | ---- | ---- |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | **9.7** | ---- | ---- | ---- | ---- |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | **4.1** | ---- | ---- | ---- | ---- |
| ^ Sum of BTEX | ---- | 0.2 | mg/kg | | **31.3** | ---- | ---- | ---- | ---- |
| ^ Total Xylenes | ---- | 0.5 | mg/kg | | **13.8** | ---- | ---- | ---- | ---- |
| Naphthalene | 91-20-3 | 1 | mg/kg | | <1 | ---- | ---- | ---- | ---- |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | **80.6** | ---- | ---- | ---- | ---- |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | **106** | ---- | ---- | ---- | ---- |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | | **98.5** | ---- | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: WATER (Matrix: WATER) | | | | Sample ID | Rinse | ---- | ---- | ---- | ---- |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | ---- | ---- | ---- | ---- |
| Compound | CAS Number | LOR | Unit | | EW2600934-023 | -------- | -------- | -------- | -------- |
| | | | | | Result | ---- | ---- | ---- | ---- |
| **EG020T: Total Metals by ICP-MS** | | | | | | | | | |
| **Arsenic** | 7440-38-2 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Cadmium** | 7440-43-9 | 0.0001 | mg/L | | <0.0001 | ---- | ---- | ---- | ---- |
| **Chromium** | 7440-47-3 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Copper** | 7440-50-8 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Lead** | 7439-92-1 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Nickel** | 7440-02-0 | 0.001 | mg/L | | <0.001 | ---- | ---- | ---- | ---- |
| **Zinc** | 7440-66-6 | 0.005 | mg/L | | <0.005 | ---- | ---- | ---- | ---- |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | | |
| **Mercury** | 7439-97-6 | 0.0001 | mg/L | | <0.0001 | ---- | ---- | ---- | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | | | |
| **Naphthalene** | 91-20-3 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Acenaphthylene** | 208-96-8 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Acenaphthene** | 83-32-9 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Fluorene** | 86-73-7 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Phenanthrene** | 85-01-8 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Anthracene** | 120-12-7 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Fluoranthene** | 206-44-0 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Pyrene** | 129-00-0 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Benz(a)anthracene** | 56-55-3 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Chrysene** | 218-01-9 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Benzo(b+j)fluoranthene** | 205-99-2 205-82-3 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Benzo(k)fluoranthene** | 207-08-9 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Benzo(a)pyrene** | 50-32-8 | 0.5 | µg/L | | <0.5 | ---- | ---- | ---- | ---- |
| **Indeno(1.2.3.cd)pyrene** | 193-39-5 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Dibenz(a.h)anthracene** | 53-70-3 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| **Benzo(g.h.i)perylene** | 191-24-2 | 1.0 | µg/L | | <1.0 | ---- | ---- | ---- | ---- |
| ^ **Sum of polycyclic aromatic hydrocarbons** | ---- | 0.5 | µg/L | | <0.5 | ---- | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: WATER (Matrix: WATER) | | | | Sample ID | Rinse | ---- | ---- | ---- | ---- |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | ---- | ---- | ---- | ---- |
| Compound | CAS Number | LOR | Unit | | EW2600934-023 | -------- | -------- | -------- | -------- |
| | | | | | Result | ---- | ---- | ---- | ---- |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued** | | | | | | | | | |
| ^ **Benzo(a)pyrene TEQ (zero)** | ---- | 0.5 | µg/L | | <0.5 | ---- | ---- | ---- | ---- |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C6 - C9 Fraction** | ---- | 20 | µg/L | | <20 | ---- | ---- | ---- | ---- |
| **C10 - C14 Fraction** | ---- | 50 | µg/L | | <50 | ---- | ---- | ---- | ---- |
| **C15 - C28 Fraction** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| **C29 - C36 Fraction** | ---- | 50 | µg/L | | <50 | ---- | ---- | ---- | ---- |
| ^ **C10 - C36 Fraction (sum)** | ---- | 50 | µg/L | | <50 | ---- | ---- | ---- | ---- |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | | | |
| **C6 - C10 Fraction** | C6_C10 | 20 | µg/L | | <20 | ---- | ---- | ---- | ---- |
| ^ **C6 - C10 Fraction minus BTEX (F1)** | C6_C10-BTEX | 20 | µg/L | | <20 | ---- | ---- | ---- | ---- |
| **>C10 - C16 Fraction** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| **>C16 - C34 Fraction** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| **>C34 - C40 Fraction** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| ^ **>C10 - C40 Fraction (sum)** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| ^ **>C10 - C16 Fraction minus Naphthalene (F2)** | ---- | 100 | µg/L | | <100 | ---- | ---- | ---- | ---- |
| **EP080: BTEXN** | | | | | | | | | |
| **Benzene** | 71-43-2 | 1 | µg/L | | <1 | ---- | ---- | ---- | ---- |
| **Toluene** | 108-88-3 | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| **Ethylbenzene** | 100-41-4 | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| **meta- & para-Xylene** | 108-38-3 106-42-3 | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| **ortho-Xylene** | 95-47-6 | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| ^ **Total Xylenes** | ---- | 2 | µg/L | | <2 | ---- | ---- | ---- | ---- |
| ^ **Sum of BTEX** | ---- | 1 | µg/L | | <1 | ---- | ---- | ---- | ---- |
| **Naphthalene** | 91-20-3 | 5 | µg/L | | <5 | ---- | ---- | ---- | ---- |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | | | | | | | |
| **Phenol-d6** | 13127-88-3 | 1.0 | % | | **29.9** | ---- | ---- | ---- | ---- |

## Analytical Results

| Sub-Matrix: WATER (Matrix: WATER) | | | | Sample ID | Rinse | ---- | ---- | ---- | ---- |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sampling date / time | 18-Feb-2026 00:00 | ---- | ---- | ---- | ---- |
| Compound | CAS Number | LOR | Unit | | EW2600934-023 | -------- | -------- | -------- | -------- |
| | | | | | Result | ---- | ---- | ---- | ---- |
| **EP075(SIM)S: Phenolic Compound Surrogates - Continued** | | | | | | | | | |
| **2-Chlorophenol-D4** | 93951-73-6 | 1.0 | % | | **69.1** | ---- | ---- | ---- | ---- |
| **2.4.6-Tribromophenol** | 118-79-6 | 1.0 | % | | **68.8** | ---- | ---- | ---- | ---- |
| **EP075(SIM)T: PAH Surrogates** | | | | | | | | | |
| **2-Fluorobiphenyl** | 321-60-8 | 1.0 | % | | **74.7** | ---- | ---- | ---- | ---- |
| **Anthracene-d10** | 1719-06-8 | 1.0 | % | | **84.4** | ---- | ---- | ---- | ---- |
| **4-Terphenyl-d14** | 1718-51-0 | 1.0 | % | | **91.2** | ---- | ---- | ---- | ---- |
| **EP080S: TPH(V)/BTEX Surrogates** | | | | | | | | | |
| **1.2-Dichloroethane-D4** | 17060-07-0 | 2 | % | | **89.9** | ---- | ---- | ---- | ---- |
| **Toluene-D8** | 2037-26-5 | 2 | % | | **99.4** | ---- | ---- | ---- | ---- |
| **4-Bromofluorobenzene** | 460-00-4 | 2 | % | | **110** | ---- | ---- | ---- | ---- |

## Surrogate Control Limits

| Sub-Matrix: SOIL | | Recovery Limits (%) | |
|---|---|---|---|
| *Compound* | *CAS Number* | *Low* | *High* |
| **EP066S: PCB Surrogate** | | | |
| **Decachlorobiphenyl** | 2051-24-3 | 39 | 149 |
| **EP068S: Organochlorine Pesticide Surrogate** | | | |
| **Dibromo-DDE** | 21655-73-2 | 49 | 147 |
| **EP068T: Organophosphorus Pesticide Surrogate** | | | |
| **DEF** | 78-48-8 | 35 | 143 |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | |
| **Phenol-d6** | 13127-88-3 | 63 | 123 |
| **2-Chlorophenol-D4** | 93951-73-6 | 66 | 122 |
| **2.4.6-Tribromophenol** | 118-79-6 | 40 | 138 |
| **EP075(SIM)T: PAH Surrogates** | | | |
| **2-Fluorobiphenyl** | 321-60-8 | 70 | 122 |
| **Anthracene-d10** | 1719-06-8 | 66 | 128 |
| **4-Terphenyl-d14** | 1718-51-0 | 65 | 129 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | |
| **1.2-Dichloroethane-D4** | 17060-07-0 | 63 | 125 |
| **Toluene-D8** | 2037-26-5 | 67 | 124 |
| **4-Bromofluorobenzene** | 460-00-4 | 66 | 131 |

| Sub-Matrix: WATER | | Recovery Limits (%) | |
|---|---|---|---|
| *Compound* | *CAS Number* | *Low* | *High* |
| **EP075(SIM)S: Phenolic Compound Surrogates** | | | |
| **Phenol-d6** | 13127-88-3 | 10 | 44 |
| **2-Chlorophenol-D4** | 93951-73-6 | 14 | 94 |
| **2.4.6-Tribromophenol** | 118-79-6 | 17 | 125 |
| **EP075(SIM)T: PAH Surrogates** | | | |
| **2-Fluorobiphenyl** | 321-60-8 | 20 | 104 |
| **Anthracene-d10** | 1719-06-8 | 27 | 113 |
| **4-Terphenyl-d14** | 1718-51-0 | 32 | 112 |
| **EP080S: TPH(V)/BTEX Surrogates** | | | |
| **1.2-Dichloroethane-D4** | 17060-07-0 | 72 | 143 |
| **Toluene-D8** | 2037-26-5 | 75 | 131 |
| **4-Bromofluorobenzene** | 460-00-4 | 73 | 137 |

## Inter-Laboratory Testing

Analysis conducted by ALS Sydney, NATA accreditation no. 825, site no. 10911 (Chemistry / Biology).

(SOIL) EA055: Moisture Content (Dried @ 105-110°C)
(SOIL) EP066: Polychlorinated Biphenyls (PCB)
(SOIL) EP066S: PCB Surrogate
(SOIL) EG035T: Total Recoverable Mercury by FIMS
(SOIL) EP080/071: Total Petroleum Hydrocarbons
(SOIL) EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions
(SOIL) EP080: BTEXN
(SOIL) EP080S: TPH(V)/BTEX Surrogates
(SOIL) EP075(SIM)B: Polynuclear Aromatic Hydrocarbons
(SOIL) EP075(SIM)A: Phenolic Compounds
(SOIL) EP075(SIM)S: Phenolic Compound Surrogates
(SOIL) EP075(SIM)T: PAH Surrogates
(SOIL) EP068A: Organochlorine Pesticides (OC)
(SOIL) EP068B: Organophosphorus Pesticides (OP)
(SOIL) EP068T: Organophosphorus Pesticide Surrogate
(SOIL) EP068S: Organochlorine Pesticide Surrogate
(SOIL) EG005(ED093)T: Total Metals by ICP-AES
(WATER) EG020T: Total Metals by ICP-MS
(WATER) EG035T: Total Recoverable Mercury by FIMS
(WATER) EP080/071: Total Petroleum Hydrocarbons
(WATER) EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions
(WATER) EP080: BTEXN
(WATER) EP080S: TPH(V)/BTEX Surrogates
(WATER) EP075(SIM)B: Polynuclear Aromatic Hydrocarbons
(WATER) EP075(SIM)T: PAH Surrogates
(WATER) EP075(SIM)S: Phenolic Compound Surrogates

# CHAIN OF CUSTODY

Page 1 of 2

**Mandatory Fields**

| | | | | | |
|---|---|---|---|---|---|
| CLIENT CODE: | ENVNAT | *PROJECT MANAGER: | ENRSLAB | SAMPLER: | CA |
| *CLIENT: | ENRS Pty Ltd | *PM MOBILE: | (02) 4448 5490 | SAMPLER MOBILE: | 0478 725 692 |
| OFFICE (Invoiced Office) | Shoalhaven Heads | ALS QUOTE # (Client PL if blank) | EW23ENVNAT0003 V2 | PURCHASE ORDER NO.: | |
| PROJECT NO / PROJECT: | ENRS3413 | SITE: | Pipeline Rev2 DSI | | |
| *INVOICE TO: (default if nil) | accounts@enrs.com.au | | | | |
| *EMAIL REPORTS TO: (default to PM if blank) | lab@enrs.com.au | | | | |

CoC #: (if applicable)

**BIOSECURITY**

Country of Origin: (if not Australia)

☐ CC Invoice to PM

***ANALYSIS REQUIRED**

Mark an X in the boxes below analysis to indicate the parameter listed above to be tested.

*** STORAGE REQUIREMENTS** (Please check box →)

- ☐ Standard Storage
- ☐ Extended Storage

Standard Storage time from receipt of samples: Waters - 3 weeks; Soils - 2 months

Specify Disposal Date:

Note: Extended storage incurs a fee and requires a signed agreement.

*** TURNAROUND** (Please check box → (Not all tests can be expedited, contact Client Services for more information))

- ☒ 4+ days (no surcharge)
- ☐ 3 day (+15%)
- ☐ 2 day (+30%)
- ☐ 1 day (+50%)

| ALS Use Only Lab ID | Sample ID | Depth | Date/Time | No. Bottles | No. Bags | Matrix | HOLD | | S-26 | S-19 | S-18 | W-26 | Envirolab Combo #3 | | | | Lab QC Dup | Lab QC MS | Additional Information (Comment on hazards - e.g., asbestos, known high contamination) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | EA2/TP1-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | | 1 | | | | | | | ☐ | ☐ | |
| 2 | EA2/TP1-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | ☐ | ☐ | |
| 3 | EA2/TP1-1.5 | 1.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | ☐ | ☐ | |
| 4 | EA2/TP2-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | ☐ | ☐ | |
| 5 | EA2/TP2-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | ☐ | ☐ | |
| 6 | EA2/TP3-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | | 1 | | | | | | | ☐ | ☐ | |
| 7 | EA2/TP3-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | ☐ | ☐ | |
| 8 | EA2/TP4-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | ☐ | ☐ | |
| 9 | EA2/TP4-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | ☐ | ☐ | |
| 10 | EA2/TP5-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | | 1 | | | | | | | ☐ | ☐ | |
| 11 | EA2/TP5-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | ☐ | ☐ | |
| 12 | EA2/TP6-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | ☐ | ☐ | |
| 13 | EA2/TP6-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | ☐ | ☐ | |
| 14 | EA2/TP6-1.5 | 1.5 | 18/02/2026 | 1 | | Soil | 1 | | | | | | | | | | ☐ | ☐ | |
| 15 | EA2/TP7-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | ☐ | ☐ | |
| 16 | EA2/TP7-0.5 | 0.5 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | ☐ | ☐ | |
| 17 | EA2/TP8-0.1 | 0.1 | 18/02/2026 | 1 | | Soil | | | | 1 | | | | | | | ☐ | ☐ | |
| 18 | EA2/TP8-0.6 | 0.6 | 18/02/2026 | 1 | | Soil | | | 1 | | | | | | | | ☐ | ☐ | |
| | | | | | | | | | | | | | | | | | ☐ | ☐ | |
| 19 | EA2/DUP 4 | | 18/02/2026 | 1 | | Soil | 1 | | 1 | | | | | | | | ☐ | ☐ | |
| 20 | EA2/TRIP 4 | | 18/02/2026 | 1 | | Soil | | | | | | | | | | | ☐ | ☐ | Please send to Envirolab |
| | | | | | | Qty | 7 | | 8 | 4 | | | 1 | | | | ☐ | ☐ | |

**Receipt Detail** (Lab Use ONLY)

Chilling Method: Ice: Frozen / Melted — Ice Bricks: Frozen / Thawed — None

Sample Temp at Receipt: 2.6 °C 9.8 °C 5.3 °C

Security Seal Intact (circle): Yes / No / NA(None)

Carrier Details: ☐ Courier/Post ☑ Client

Con Note #

Packaging: (circle) Hard Esky / Foam Esky / Box/Bag/Other

Count: # 1 # #

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Chris Allen | Signature: | C. Allen | Date/Time: | 19/02/2026 |
| Relinquished by: | | Signature: | | Date/Time: | |
| Received by: | | Signature | | Date/Time: | 19/2/26 |
| Received by: | | Signature | | Date/Time: | 20/2/26. |

Environmental Division
Wollongong
Work Order Reference
EW2600934

Telephone : 02 42253125

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 407641

Date Received: 20/2/26
Time Received: 1130
Received By: dw
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

**Envirolab Services Pty Ltd**
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

# CERTIFICATE OF ANALYSIS 402541

## Client Details

| | |
|---|---|
| **Client** | ENRS |
| **Attention** | Lab Results |
| **Address** | 108 Jerry Bailey Rd, Shoalhaven Heads, NSW, 2535 |

## Sample Details

| | |
|---|---|
| **Your Reference** | **ENRS3413, Pipeline Rev2 DSI** |
| **Number of Samples** | 1 Soil |
| **Date samples received** | 20/02/2026 |
| **Date completed instructions received** | 20/02/2026 |

## Analysis Details

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

Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.

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

## Report Details

| | |
|---|---|
| **Date results requested by** | 27/02/2026 |
| **Date of Issue** | 26/02/2026 |

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

**Results Approved By**
Dragana Tomas, Senior Chemist
Giovanni Agosti, Group Technical Manager
Steven Luong, Senior Chemist

**Authorised By**
Nancy Zhang, Laboratory Manager

| vTRH(C6-C10)/BTEXN in Soil | | |
|---|---|---|
| Our Reference | | 402541-1 |
| Your Reference | UNITS | EA2/TRIP 4 |
| Date Sampled | | 18/02/2026 |
| Type of sample | | Soil |
| Date extracted | - | 23/02/2026 |
| Date analysed | - | 24/02/2026 |
| TRH $C_6$ - $C_9$ | mg/kg | <25 |
| TRH $C_6$ - $C_{10}$ | mg/kg | <25 |
| vTRH $C_6$ - $C_{10}$ less BTEX (F1) | mg/kg | <25 |
| Benzene | mg/kg | <0.2 |
| Toluene | mg/kg | <0.5 |
| Ethylbenzene | mg/kg | <1 |
| m+p-xylene | mg/kg | <2 |
| o-Xylene | mg/kg | <1 |
| Naphthalene | mg/kg | <1 |
| Total +ve Xylenes | mg/kg | <1 |
| *Surrogate* aaa-Trifluorotoluene | % | 105 |

| svTRH (C10-C40) in Soil | | |
|---|---|---|
| Our Reference | UNITS | 402541-1 |
| Your Reference | | EA2/TRIP 4 |
| Date Sampled | | 18/02/2026 |
| Type of sample | | Soil |
| Date extracted | - | 23/02/2026 |
| Date analysed | - | 26/02/2026 |
| TRH $C_{10}$ - $C_{14}$ | mg/kg | <50 |
| TRH $C_{15}$ - $C_{28}$ | mg/kg | <100 |
| TRH $C_{29}$ - $C_{36}$ | mg/kg | <100 |
| Total +ve TRH (C10-C36) | mg/kg | <50 |
| TRH >$C_{10}$ -$C_{16}$ | mg/kg | <50 |
| TRH >$C_{10}$ -$C_{16}$ less Naphthalene (F2) | mg/kg | <50 |
| TRH >$C_{16}$ -$C_{34}$ | mg/kg | <100 |
| TRH >$C_{34}$ -$C_{40}$ | mg/kg | <100 |
| Total +ve TRH (>C10-C40) | mg/kg | <50 |
| *Surrogate* o-Terphenyl | % | 80 |

| PAHs in Soil | | |
|---|---|---|
| Our Reference | | 402541-1 |
| Your Reference | UNITS | EA2/TRIP 4 |
| Date Sampled | | 18/02/2026 |
| Type of sample | | Soil |
| Date extracted | - | 23/02/2026 |
| Date analysed | - | 24/02/2026 |
| Naphthalene | mg/kg | <0.1 |
| Acenaphthylene | mg/kg | <0.1 |
| Acenaphthene | mg/kg | <0.1 |
| Fluorene | mg/kg | <0.1 |
| Phenanthrene | mg/kg | <0.1 |
| Anthracene | mg/kg | <0.1 |
| Fluoranthene | mg/kg | <0.1 |
| Pyrene | mg/kg | <0.1 |
| Benzo(a)anthracene | mg/kg | <0.1 |
| Chrysene | mg/kg | <0.1 |
| Benzo(b,j+k)fluoranthene | mg/kg | <0.2 |
| Benzo(a)pyrene | mg/kg | <0.05 |
| Indeno(1,2,3-c,d)pyrene | mg/kg | <0.1 |
| Dibenzo(a,h)anthracene | mg/kg | <0.1 |
| Benzo(g,h,i)perylene | mg/kg | <0.1 |
| Total +ve PAH's | mg/kg | <0.05 |
| Benzo(a)pyrene TEQ calc (zero) | mg/kg | <0.5 |
| Benzo(a)pyrene TEQ calc(half) | mg/kg | <0.5 |
| Benzo(a)pyrene TEQ calc(PQL) | mg/kg | <0.5 |
| *Surrogate p*-Terphenyl-d14 | % | 88 |

| Acid Extractable metals in soil | | |
|---|---|---|
| Our Reference | | 402541-1 |
| Your Reference | UNITS | EA2/TRIP 4 |
| Date Sampled | | 18/02/2026 |
| Type of sample | | Soil |
| Date prepared | - | 23/02/2026 |
| Date analysed | - | 24/02/2026 |
| Arsenic | mg/kg | 9 |
| Cadmium | mg/kg | <0.4 |
| Chromium | mg/kg | 17 |
| Copper | mg/kg | 19 |
| Lead | mg/kg | 15 |
| Mercury | mg/kg | <0.1 |
| Nickel | mg/kg | 12 |
| Zinc | mg/kg | 44 |

| Moisture | | |
|---|---|---|
| Our Reference | | 402541-1 |
| Your Reference | UNITS | EA2/TRIP 4 |
| Date Sampled | | 18/02/2026 |
| Type of sample | | Soil |
| Date prepared | - | 23/02/2026 |
| Date analysed | - | 24/02/2026 |
| Moisture | % | 10 |

| Method ID | Methodology Summary |
|---|---|
| **Inorg-008** | Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours. |
| **Metals-020** | Determination of various metals/elements by ICP-AES.<br><br>Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.<br><br>Where molecular anion forms are calculated from an element (e.g. SO4 from S or PO4 from P stoichiometrically), the assumption is that the element is only present in that molecular anion form.<br><br>Submission of low masses of sample e.g. for dust samples, may result in raised PQLs. |
| **Metals-021** | Determination of Mercury by Cold Vapour AAS. |
| **Org-020** | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br>F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. |
| **Org-020** | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br><br>F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.<br><br>Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40). |

| Method ID | Methodology Summary |
|---|---|
| **Org-022/025** | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.<br>For soil results:-<br>1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present.<br>2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL.<br>3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.<br>Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs. |
| **Org-023** | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. |
| **Org-023** | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. |
| **Org-023** | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.<br>Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes. |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-2 | [NT] |
| Date extracted | - | | | 23/02/2026 | [NT] | [NT] | [NT] | [NT] | 23/02/2026 | [NT] |
| Date analysed | - | | | 24/02/2026 | [NT] | [NT] | [NT] | [NT] | 24/02/2026 | [NT] |
| TRH $C_6$ - $C_9$ | mg/kg | 25 | Org-023 | <25 | [NT] | [NT] | [NT] | [NT] | 110 | [NT] |
| TRH $C_6$ - $C_{10}$ | mg/kg | 25 | Org-023 | <25 | [NT] | [NT] | [NT] | [NT] | 110 | [NT] |
| Benzene | mg/kg | 0.2 | Org-023 | <0.2 | [NT] | [NT] | [NT] | [NT] | 120 | [NT] |
| Toluene | mg/kg | 0.5 | Org-023 | <0.5 | [NT] | [NT] | [NT] | [NT] | 110 | [NT] |
| Ethylbenzene | mg/kg | 1 | Org-023 | <1 | [NT] | [NT] | [NT] | [NT] | 111 | [NT] |
| m+p-xylene | mg/kg | 2 | Org-023 | <2 | [NT] | [NT] | [NT] | [NT] | 104 | [NT] |
| o-Xylene | mg/kg | 1 | Org-023 | <1 | [NT] | [NT] | [NT] | [NT] | 109 | [NT] |
| Naphthalene | mg/kg | 1 | Org-023 | <1 | [NT] | [NT] | [NT] | [NT] | [NT] | [NT] |
| *Surrogate* aaa-Trifluorotoluene | % | | Org-023 | 115 | [NT] | [NT] | [NT] | [NT] | 108 | [NT] |

| QUALITY CONTROL: svTRH (C10-C40) in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-2 | [NT] |
| Date extracted | - | | | 23/02/2026 | [NT] | [NT] | [NT] | [NT] | 23/02/2026 | [NT] |
| Date analysed | - | | | 25/02/2026 | [NT] | [NT] | [NT] | [NT] | 25/02/2026 | [NT] |
| TRH $C_{10}$ - $C_{14}$ | mg/kg | 50 | Org-020 | <50 | [NT] | [NT] | [NT] | [NT] | 83 | [NT] |
| TRH $C_{15}$ - $C_{28}$ | mg/kg | 100 | Org-020 | <100 | [NT] | [NT] | [NT] | [NT] | 72 | [NT] |
| TRH $C_{29}$ - $C_{36}$ | mg/kg | 100 | Org-020 | <100 | [NT] | [NT] | [NT] | [NT] | 86 | [NT] |
| TRH >$C_{10}$ -$C_{16}$ | mg/kg | 50 | Org-020 | <50 | [NT] | [NT] | [NT] | [NT] | 83 | [NT] |
| TRH >$C_{16}$ -$C_{34}$ | mg/kg | 100 | Org-020 | <100 | [NT] | [NT] | [NT] | [NT] | 72 | [NT] |
| TRH >$C_{34}$ -$C_{40}$ | mg/kg | 100 | Org-020 | <100 | [NT] | [NT] | [NT] | [NT] | 86 | [NT] |
| *Surrogate* o-Terphenyl | % | | Org-020 | 96 | [NT] | [NT] | [NT] | [NT] | 85 | [NT] |

| QUALITY CONTROL: PAHs in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-2 | [NT] |
| Date extracted | - | | | 23/02/2026 | [NT] | [NT] | [NT] | [NT] | 23/02/2026 | [NT] |
| Date analysed | - | | | 24/02/2026 | [NT] | [NT] | [NT] | [NT] | 24/02/2026 | [NT] |
| Naphthalene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | 80 | [NT] |
| Acenaphthylene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | [NT] | [NT] |
| Acenaphthene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | 82 | [NT] |
| Fluorene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | 80 | [NT] |
| Phenanthrene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | 82 | [NT] |
| Anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | [NT] | [NT] |
| Fluoranthene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | 84 | [NT] |
| Pyrene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | 80 | [NT] |
| Benzo(a)anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | [NT] | [NT] |
| Chrysene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | 88 | [NT] |
| Benzo(b,j+k)fluoranthene | mg/kg | 0.2 | Org-022/025 | <0.2 | [NT] | [NT] | [NT] | [NT] | [NT] | [NT] |
| Benzo(a)pyrene | mg/kg | 0.05 | Org-022/025 | <0.05 | [NT] | [NT] | [NT] | [NT] | 76 | [NT] |
| Indeno(1,2,3-c,d)pyrene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | [NT] | [NT] |
| Dibenzo(a,h)anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | [NT] | [NT] |
| Benzo(g,h,i)perylene | mg/kg | 0.1 | Org-022/025 | <0.1 | [NT] | [NT] | [NT] | [NT] | [NT] | [NT] |
| *Surrogate p*-Terphenyl-d14 | % | | Org-022/025 | 94 | [NT] | [NT] | [NT] | [NT] | 86 | [NT] |

| QUALITY CONTROL: Acid Extractable metals in soil | | | | | Duplicate | | | | Spike Recovery % | |
|---|---|---|---|---|---|---|---|---|---|---|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-2 | [NT] |
| Date prepared | - | | | 23/02/2026 | [NT] | [NT] | [NT] | [NT] | 23/02/2026 | [NT] |
| Date analysed | - | | | 24/02/2026 | [NT] | [NT] | [NT] | [NT] | 24/02/2026 | [NT] |
| Arsenic | mg/kg | 4 | Metals-020 | <4 | [NT] | [NT] | [NT] | [NT] | 104 | [NT] |
| Cadmium | mg/kg | 0.4 | Metals-020 | <0.4 | [NT] | [NT] | [NT] | [NT] | 100 | [NT] |
| Chromium | mg/kg | 1 | Metals-020 | <1 | [NT] | [NT] | [NT] | [NT] | 98 | [NT] |
| Copper | mg/kg | 1 | Metals-020 | <1 | [NT] | [NT] | [NT] | [NT] | 102 | [NT] |
| Lead | mg/kg | 1 | Metals-020 | <1 | [NT] | [NT] | [NT] | [NT] | 99 | [NT] |
| Mercury | mg/kg | 0.1 | Metals-021 | <0.1 | [NT] | [NT] | [NT] | [NT] | 96 | [NT] |
| Nickel | mg/kg | 1 | Metals-020 | <1 | [NT] | [NT] | [NT] | [NT] | 97 | [NT] |
| Zinc | mg/kg | 1 | Metals-020 | <1 | [NT] | [NT] | [NT] | [NT] | 106 | [NT] |

## Result Definitions

| | |
|---|---|
| **NT** | Not tested |
| **NA** | Test not required |
| **INS** | Insufficient sample for this test |
| **PQL** | Practical Quantitation Limit |
| **<** | Less than |
| **>** | Greater than |
| **RPD** | Relative Percent Difference |
| **LCS** | Laboratory Control Sample |
| **NS** | Not specified |
| **NEPM** | National Environmental Protection Measure |
| **NR** | Not Reported |

## Quality Control Definitions

| | |
|---|---|
| **Blank** | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples. |
| **Duplicate** | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable. |
| **Matrix Spike** | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| **LCS (Laboratory Control Sample)** | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample. |
| **Surrogate Spike** | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples. |

## Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates can be downloaded from the Envirolab Resources website or obtained directly by contacting the laboratory.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

# Appendix B:

# Laboratory Certificates of Analysis and Chain of Custody (Asbestos)

*(COA's & COC's)*

ENRS
Environment & Natural Resource Solutions

# CHAIN OF CUSTODY - ENRS

ASET129676/132856/1-28

| | | | |
|---|---|---|---|
| Consultant: | ENRS | ENRS Project Name/Number: | ENRS3413 |
| Project Mgr: | Rohan Last (0401 518 443) | Site Location/Address: | pAEC01 ASBINS |
| Sampler: | CA | PO No.: | |
| Address: | 108 Jerry Bailey Rd, Shoalhaven Heads, NSW, 2535 | Lab Services Quote No. : | - |
| Delivery: | o'night express | Date results required: | ASAP |
| Email: | lab@enrs.com.au | Or choose: standard / 1 day / 2 day / 3 day | |
| Phone: | 02 4448 5490 | *Note: inform lab in advance if urgent turnaround is required - surcharge applies* | |

Lab: ASET
(Aust. Safer Env. & Technology)
PO Box 1644
Hornsby Westfield NSW 1635
Phone: 02 9987 2183
E-mail: INFO@AUSSET.COM.AU
Contact: Mahen & Amalka

| Sample Information | | | | Tests Required | | | | | | | | | | | | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | ENRS Sample ID | Date sampled | Type of sample | HOLD | Asbestos in Soil/Dust (NEPM W/W%) | Asbestos in Material | Asbestos Fibre Count | Asbestos in Water | Asbestos (weight) | SMF | No Analysis required - dispose of sample | | | START | FINISH | MINUTES | Flow Rate | Volume | Sample description |
| 1 | A1/TP1-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 2 | A1/TP2-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 3 | A1/TP3-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 4 | A1/TP4-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 5 | A1/TP5-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 6 | A1/TP6-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 7 | A1/TP7-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 8 | A1/TP8-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 9 | A1/TP9-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 10 | A1/TP10-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 11 | A1/TP11-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 12 | A1/TP12-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 13 | A1/TP13-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 14 | A1/TP14-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 15 | A1/TP15-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 16 | A1/TP15-0.4 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 17 | A1/TP18-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 18 | A1/TP17-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 19 | A1/TP18-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 20 | A1/TP19-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 21 | A1/TP20-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 22 | A1/TP20-0.4 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 23 | A1/TP21-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 24 | A1/TP22-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 25 | A1/TP23-0.2 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 26 | A1/TP24-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 27 | A1/TP25-0.1 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| 28 | A1/TP25-0.4 | 13/08/2025 | Soil | | 1 | | | | | | | | | | | | | | |
| Dup | | | | | | | | | | | | | | | | | | | |
| | | | Total | | 28 | | | | | | | | | | | | | | |

19 AUG 2025

BY: SD

URGENT

| | | | |
|---|---|---|---|
| Relinquished by (company): | ENRS | Received by (company): | |
| Print Name: | Chris Allen | Print Name: | SD |
| Date & Time: | 18/08/2025 | Date & Time: | 9.30AM |
| Signature: | C. Allen | Signature: | |

Samples Received: Cool or Ambient (circle one)
Temperature Recieved at: (if applicable)
Transported by: Hand delivered / courier

# AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112


Our ref : ASET129676 / 132856 / 1 - 28
Your ref : ENRS3413 - pAEC01 ASBINS
**NATA Accreditation No: 14484**

20 August 2025

**Accredited for compliance with ISO/IEC 17025 - Testing.**

Environment & Natural Resource Solutions
108 Jerry Bailey Road
Shoalhaven Heads NSW 2535

**Attn: Mr Rohan Last**

Dear Rohan

**Asbestos Identification**
This report presents the results of twenty eight samples, forwarded by Environment & Natural Resource Solutions on 19 August 2025, for analysis for asbestos.

**1.Introduction:** Twenty eight samples forwarded were examined and analysed for the presence of asbestos on 19 August 2025 and 20 August 2025.

**2. Methods :** The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method **(Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction) (Qualitative Analysis only).**

The report also provides approximate weights and percentages, categories of asbestos forms appearing in the sample, such as **AF**(Asbestos Fines), **FA**(Friable Asbestos) and **ACM** (Asbestos Containing Material), also satisfying the requirements of the NEPM Guidelines).

**3. Results :**

**Ω Sample No. 1. ASET129676 / 132856 / 1. ENRS3413 - A1/TP1-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 4.6 cm
Approximate total dry weight of soil = 456.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones, wood chips and plant matter.
**No asbestos detected.**

**Ω Sample No. 2. ASET129676 / 132856 / 2. ENRS3413 - A1/TP2-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 4.2 cm
Approximate total dry weight of soil = 421.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 3. ASET129676 / 132856 / 3. ENRS3413 - A1/TP3-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 3.6 cm
Approximate total dry weight of soil = 358.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 4. ASET129676 / 132856 / 4. ENRS3413 - A1/TP4-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 2.8 cm
Approximate total dry weight of soil = 276.0g.
The sample consisted of a mixture of sandy soil, organic fibres, stones, fragments of slag and plant matter.
**No asbestos detected.**

**Ω Sample No. 5. ASET129676 / 132856 / 5. ENRS3413 - A1/TP5-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 2.8 cm
Approximate total dry weight of soil = 284.0g.
The sample consisted of a mixture of sandy soil, organic fibres, stones, fragments of plaster containing organic fibres, slag and plant matter.
**No asbestos detected.**

**Sample No. 6. ASET129676 / 132856 / 6. ENRS3413 - A1/TP6-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 5.1 cm
Approximate total dry weight of soil = 509.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 7. ASET129676 / 132856 / 7. ENRS3413 - A1/TP7-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 3.8 cm
Approximate total dry weight of soil = 378.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 8. ASET129676 / 132856 / 8. ENRS3413 -A1/TP8-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 3.4 cm
Approximate total dry weight of soil = 342.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones, wood chips and plant matter.
**No asbestos detected.**

**Ω Sample No. 9. ASET129676 / 132856 / 9. ENRS3413 - A1/TP9-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 3.2 cm
Approximate total dry weight of soil = 321.0g.
The sample consisted of a mixture of sandy soil, organic fibres, stones, fragments of cement, slag and plant matter.
**No asbestos detected.**

**Ω Sample No. 10. ASET129676 / 132856 / 10. ENRS3413 - A1/TP10-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 3.3 cm
Approximate total dry weight of soil = 330.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones, fragments of cement like material, slag, wood chips and plant matter.
**No asbestos detected.**

**Ω Sample No. 11. ASET129676 / 132856 / 11. ENRS3413 - A1/TP11-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 3.9 cm
Approximate total dry weight of soil = 387.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 12. ASET129676 / 132856 / 12. ENRS3413 - A1/TP12-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 4.3 cm
Approximate total dry weight of soil = 434.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 13. ASET129676 / 132856 / 13. ENRS3413 - A1/TP13-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 3.9 cm
Approximate total dry weight of soil = 394.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones, wood chips and plant matter.
**No asbestos detected.**

**Ω Sample No. 14. ASET129676 / 132856 / 14. ENRS3413 - A1/TP14-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 2.5 cm
Approximate total dry weight of soil = 246.0g.
The sample consisted of a mixture of sandy soil, stones, fragments of slag, wood chips and plant matter.
**No asbestos detected.**

**Ω Sample No. 15. ASET129676 / 132856 / 15. ENRS3413 - A1/TP15-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 3.0 cm
Approximate total dry weight of soil = 301.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones, slag and plant matter.
**No asbestos detected.**

**Ω Sample No. 16. ASET129676 / 132856 / 16. ENRS3413 - A1/TP15-0.4.**
Approx dimensions 10.0 cm x 10.0 cm x 3.1 cm
Approximate total dry weight of soil = 306.0g.
The sample consisted of a mixture of sand, organic fibres, stones, fragments of cement like material, slag and plant matter.
**No asbestos detected.**

**Ω Sample No. 17. ASET129676 / 132856 / 17. ENRS3413 - A1/TP16-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 3.2 cm
Approximate total dry weight of soil = 319.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 18. ASET129676 / 132856 / 18. ENRS3413 - A1/TP17-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 3.5 cm
Approximate total dry weight of soil = 353.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 19. ASET129676 / 132856 / 19. ENRS3413 - A1/TP18-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 3.8 cm
Approximate total dry weight of soil = 384.0g.
The sample consisted of a mixture of clayish sandy soil, stones, wood chips and plant matter.
**No asbestos detected.**

**Ω Sample No. 20. ASET129676 / 132856 / 20. ENRS3413 - A1/TP19-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 3.2 cm
Approximate total dry weight of soil = 315.0g.
The sample consisted of a mixture of sandy soil, organic fibres, stones, fragments of cement like material, slag, and plant matter.
**No asbestos detected.**

**Ω Sample No. 21. ASET129676 / 132856 / 21. ENRS3413 - A1/TP20-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 3.5 cm
Approximate total dry weight of soil = 345.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones, slag and plant matter.
**No asbestos detected.**

**Ω Sample No. 22. ASET129676 / 132856 / 22. ENRS3413 - A1/TP20-0.4.**
Approx dimensions 10.0 cm x 10.0 cm x 4.4 cm
Approximate total dry weight of soil = 413.0g.
The sample consisted of a mixture of sand, organic fibres, stones, fragments of cement like material, slag and plant matter.
**No asbestos detected.**

**Ω Sample No. 23. ASET129676 / 132856 / 23. ENRS3413 - A1/TP21-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 4.2 cm
Approximate total dry weight of soil = 417.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 24. ASET129676 / 132856 / 24. ENRS3413 - A1/TP22-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 4.3 cm
Approximate total dry weight of soil = 430.0g.
The sample consisted of a mixture of clayish sandy soil, stones and plant matter.
**No asbestos detected.**

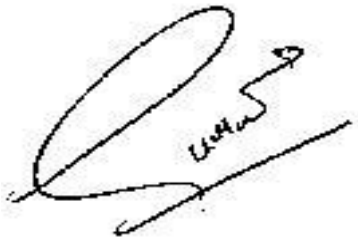
**Ω Sample No. 25. ASET129676 / 132856 / 25. ENRS3413 - A1/TP23-0.2.**
Approx dimensions 10.0 cm x 10.0 cm x 4.3 cm
Approximate total dry weight of soil = 427.0g.
The sample consisted of a mixture of clayish sandy soil, stones and plant matter.
**No asbestos detected.**

**Ω Sample No. 26. ASET129676 / 132856 / 26. ENRS3413 - A1/TP24-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 2.9 cm
Approximate total dry weight of soil = 291.0g.
The sample consisted of a mixture of sandy soil, stones, slag and plant matter.
**No asbestos detected.**

**Ω Sample No. 27. ASET129676 / 132856 / 27. ENRS3413 - A1/TP25-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 3.7 cm
Approximate total dry weight of soil = 369.0g.
The sample consisted of a mixture of clayish sandy soil, organic fibres, stones, slag, wood chips and plant matter.
**No asbestos detected.**

**Ω Sample No. 28. ASET129676 / 132856 / 28. ENRS3413 - A1/TP25-0.4.**
Approx dimensions 10.0 cm x 10.0 cm x 3.5 cm
Approximate total dry weight of soil = 333.0g.
The sample consisted of a mixture of sand, organic fibres, stones, fragments of slag and plant matter.
**No asbestos detected.**

Reported by,



**Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)**
**Occupational Hygienist / Approved Identifier.**
**Approved Signatory**

**Accredited for compliance with ISO/IEC 17025 - Testing.**

***This report is consistent with the analytical procedures and reporting recommendations in the Western Australia Guidelines for the Assessment Remediation and Management of Asbestos contaminated sites in Western Australia and it also satisfies the requirements of the current NEPM Guidelines. NATA Accreditation does not cover the performance of this service.***

***Disclaimers***;

***The approx; weights given above can be used only as a guide. They do not represent absolute weights of each kind of asbestos, as it is impossible to extract all loose fibres from soil and other asbestos containing building material samples using this method. However above figures may be used as closest approximations to the exact values in each case. Estimation and/ or reporting of asbestos fibre weights in asbestos containing materials and soil is out of the Scope of the NATA Accreditation. NATA Accreditation only covers the qualitative part of the results reported. This weight disclaimer also covers weight / weight percentages if given.***

**ACM - Asbestos Containing Material - Products or materials that contain asbestos in an inert bound matrix such as cement or resin. Here taken to be sound material, even as fragments and not fitting through a 7mm X 7 mm sieve.**

**AF -Includes asbestos free fibres, small fibre bundles and also ACM fragments that pass through a 7mm X 7 mm sieve.**

**FA -Friable asbestos material such as severely weathered ACM, and asbestos in the form of loose fibrous material such as insulation products.**

**^ denotes loose fibres of relevant asbestos types detected in soil/dust.**
*** denotes asbestos detected in ACM in bonded form.**
**# denotes friable asbestos as soft fibro plaster, fragments of ACM smaller than 7mm which are considered as friable and / or highly weathered ACM that will easily crumble.**
**λ denotes samples that have been analysed only in accordance to AS 4964 – 2004.**
**Ω Sample volume criteria of 500mL have not been satisfied.**

*The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative. Results indicating "No asbestos detected" indicates a reporting limit specified in AS4964 -2004 which is 0.1g/ Kg (0.01%). Any amounts detected at assumed lower level than that would be reported, however those assumed lower levels may be treated as "No asbestos detected" as specified and recommended by A4964-2004. Trace / respirable level asbestos will be reported only when detected and trace analysis have been performed on each sample as required by AS4964-2004. When loose asbestos fibres/ fibre bundles are detected and reported that means they are larger handpicked fibres/ fibre bundles, and they do not represent respirable fibres. Dust/soil samples are always subjected to trace analysis except where the amounts involved are extremely minute and trace analysis is not possible to be carried out. When trace analysis is not performed on dust samples it will be indicated in the report that trace analysis has not been carried out due to the volume of the sample being extremely minute.*

*Estimation of asbestos weights involves the use of following assumptions;*
*Volume of each kind of Asbestos present in broken edges have been visually estimated and its been assumed that volumes remain similar throughout the binding matrix and those volumes are only approximate and not exact. Material densities have been assumed to be similar to commonly found similar materials and may not be exact.*

**All samples indicating "No asbestos detected" are assumed to be less than 0.001% for friable AF and FA portions detected and 0.01 % for ACM detected unless the approximate weight is given.**

# CHAIN OF CUSTODY - ENRS

ENRS
Environment & Natural Resource Solutions

ASET133963 / 137143/1-8

| | | | |
|---|---|---|---|
| **Consultant:** | ENRS | **ENRS Project No:** | ENRS3413 |
| **Project Mgr:** | Rohan Last (0401 518 443) | **Site Location/Address:** | Pipeline Rev2 DSI ASBINS |
| **Sampler:** | CA | **PO No.:** | |
| **Address:** | 108 Jerry Bailey Rd, Shoalhaven Heads, NSW, 2535 | **Lab Services Quote No. :** | - |
| **Delivery:** | o'night express | **Date results required:** | ASAP |
| **Email:** | lab@enrs.com.au | **Or choose:** | standard / 1 day / 2 day / 3 day |
| **Phone:** | 02 4448 5490 | *Note: Inform lab in advance if urgent turnaround is required - surcharge applies* | |

**Lab:** ASET
(Aust. Safer Env. & Technology)
PO Box 1644
Hornsby Westfield NSW 1635
**Phone:** 02 9987 2183
**E-mail:** INFO@AUSSET.COM.AU
**Contact:** Mahen & Amalka

| Sample information | | | | Tests Required | | | | | | | | | | | | | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | ENRS Sample ID | Date sampled | Type of sample | HOLD | Asbestos in Soil/Dust (NEPM W/W%) | Asbestos in Material | Asbestos Fibre Count | Asbestos in Water | asbestos (weight) | SMF | No Analysis required - dispose of sample | | | START | FINISH | MINUTES | Flow Rate | Volume | Sample description |
| (1) | EA2/TP1-0.1 | 18/02/2026 | Soil | | 1 | | | | | | | | | | | | | | |
| (2) | EA2/TP2-0.1 | 18/02/2026 | Soil | | 1 | | | | | | | | | | | | | | |
| (3) | EA2/TP3-0.1 | 18/02/2026 | Soil | | 1 | | | | | | | | | | | | | | |
| (4) | EA2/TP4-0.1 | 18/02/2026 | Soil | | 1 | | | | | | | | | | | | | | |
| (5) | EA2/TP5-0.1 | 18/02/2026 | Soil | | 1 | | | | | | | | | | | | | | |
| (6) | EA2/TP6-0.1 | 18/02/2026 | Soil | | 1 | | | | | | | | | | | | | | |
| (7) | EA2/TP7-0.1 | 18/02/2026 | Soil | | 1 | | | | | | | | | | | | | | |
| (8) | EA2/TP8-0.1 | 18/02/2026 | Soil | | 1 | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | Total | | 7 | | | | | | | | | | | | | | |

RECEIVED
20 FEB 2026
BY. UW

URGENT

| | | | |
|---|---|---|---|
| **Relinquished by (company):** | ENRS | **Received by (company):** | |
| **Print Name:** | Chris Allen | **Print Name:** | UW |
| **Date & Time:** | 19/02/2026 | **Date & Time:** | 20/02/26 9.00 am |
| **Signature:** | C. Allen | **Signature:** | |

**Samples Received:** Cool or Ambient (circle one)
**Temperature Recieved at:** (if applicable)
**Transported by:** Hand delivered / courier

# AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112


Our ref : ASET133963 / 137143 / 1 – 8
Your ref : ENRS3413 – Pipeline Rev2 DSI ASBINS
**NATA Accreditation No: 14484**

**Accredited for compliance with ISO/IEC 17025 - Testing.**

20 February 2026

Environment & Natural Resource Solutions
108 Jerry Bailey Road
Shoalhaven Heads NSW 2535

**Attn: Mr Rohan Last**

Dear Rohan

**Asbestos Identification**
This report presents the results of eight samples, forwarded by Environment & Natural Resource Solutions on 20 February 2026, for analysis for asbestos.

**1.Introduction:** Eight samples forwarded were examined and analysed for the presence of asbestos.

**2. Methods:** The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method **(Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction) (Qualitative Analysis only).**

The report also provides approximate weights and percentages, categories of asbestos forms appearing in the sample, such as **AF** (Asbestos Fines), **FA** (Friable Asbestos) and **ACM** (Asbestos Containing Material), also satisfying the requirements of the NEPM Guidelines.

**3. Results :**

**Ω Sample No. 1. ASET133963 / 137143 / 1. EA2/TP1-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 4.4 cm
Approximate total dry weight of soil = 485.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

**Sample No. 2. ASET133963 / 137143 / 2. EA2/TP2-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 5.1 cm
Approximate total dry weight of soil = 529.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
**No asbestos detected.**

**Ω Sample No. 3. ASET133963 / 137143 / 3. EA2/TP3-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 4.5 cm
Approximate total dry weight of soil = 490.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
**No asbestos detected.**

**Ω Sample No. 4. ASET133963 / 137143 / 4. EA2/TP4-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 4.0 cm
Approximate total dry weight of soil = 442.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
**No asbestos detected.**

**Sample No. 5. ASET133963 / 137143 / 5. EA2/TP5-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 5.0 cm
Approximate total dry weight of soil = 518.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
**No asbestos detected.**

**Ω Sample No. 6. ASET133963 / 137143 / 6. EA2/TP6-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 4.6 cm
Approximate total dry weight of soil = 496.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
**No asbestos detected.**

**Sample No. 7. ASET133963 / 137143 / 7. EA2/TP7-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 5.2 cm
Approximate total dry weight of soil = 566.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
**No asbestos detected.**

**Sample No. 8. ASET133963 / 137143 / 8. EA2/TP8-0.1.**
Approx dimensions 10.0 cm x 10.0 cm x 5.3 cm
Approximate total dry weight of soil = 580.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
**No asbestos detected.**

Reported by,

**Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)**
**Occupational Hygienist / Approved Identifier.**
**Approved Signatory**

WORLD RECOGNISED ACCREDITATION

**Accredited for compliance with ISO/IEC 17025 - Testing.**

***This report is consistent with the analytical procedures and reporting recommendations in the Western Australia Guidelines for the Assessment Remediation and Management of Asbestos contaminated sites in Western Australia and it also satisfies the requirements of the current NEPM Guidelines. NATA Accreditation does not cover the performance of this service.***

***Disclaimers***;

***The approx; weights given above can be used only as a guide. They do not represent absolute weights of each kind of asbestos, as it is impossible to extract all loose fibres from soil and other asbestos containing building material samples using this method. However above figures may be used as closest approximations to the exact values in each case. Estimation and/ or reporting of asbestos fibre weights in asbestos containing materials and soil is out of the Scope of the NATA Accreditation. NATA Accreditation only covers the qualitative part of the results reported. This weight disclaimer also covers weight / weight percentages if given.***

**ACM - Asbestos Containing Material - Products or materials that contain asbestos in an inert bound matrix such as cement or resin. Here taken to be sound material, even as fragments and not fitting through a 7mm X 7 mm sieve.**

**AF -Includes asbestos free fibres, small fibre bundles and also ACM fragments that pass through a 7mm X 7 mm sieve.**

**FA -Friable asbestos material such as severely weathered ACM, and asbestos in the form of loose fibrous material such as insulation products.**

**^ denotes loose fibres of relevant asbestos types detected in soil/dust.**
*** denotes asbestos detected in ACM in bonded form.**
**# denotes friable asbestos as soft fibro plaster, fragments of ACM smaller than 7mm which are considered as friable and / or highly weathered ACM that will easily crumble.**
**λ denotes samples that have been analysed only in accordance to AS 4964 – 2004.**
**Ω Sample volume criteria of 500mL have not been satisfied.**

*The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative. Results indicating "No asbestos detected" indicates a reporting limit specified in AS4964 -2004 which is 0.1g/ Kg (0.01%). Any amounts detected at assumed lower level than that would be reported, however those assumed lower levels may be treated as "No asbestos detected" as specified and recommended by A4964-2004. Trace / respirable level asbestos will be reported only when detected and trace analysis have been performed on each sample as required by AS4964-2004. When loose asbestos fibres/ fibre bundles are detected and reported that means they are larger handpicked fibres/ fibre bundles, and they do not represent respirable fibres. Dust/soil samples are always subjected to trace analysis except where the amounts involved are extremely minute and trace analysis is not possible to be carried out. When trace analysis is not performed on dust samples it will be indicated in the report that trace analysis has not been carried out due to the volume of the sample being extremely minute.*

*Estimation of asbestos weights involves the use of following assumptions;*
*Volume of each kind of Asbestos present in broken edges have been visually estimated and its been assumed that volumes remain similar throughout the binding matrix and those volumes are only approximate and not exact. Material densities have been assumed to be similar to commonly found similar materials and may not be exact.*

**All samples indicating "No asbestos detected" are assumed to be less than 0.001% for friable AF and FA portions detected and 0.01 % for ACM detected unless the approximate weight is given.**

# Appendix C:

# NATA Laboratory SRN & QA/QC

*(Sample Receipt Notification & Quality Assurance/Quality Control)*

# SAMPLE RECEIPT NOTIFICATION (SRN)

| | | | |
|---|---|---|---|
| **Work Order** | : **ES2525360** | | |
| Client | : **ENVIRONMENT & NATURAL RESOURCE SOLUTIONS** | Laboratory | : Environmental Division Sydney |
| Contact | : LAB ENRS | Contact | : Customer Services ES |
| Address | : 108 Jerry Bailey Road Shoalhaven Heads 2535 | Address | : 277-289 Woodpark Road Smithfield NSW Australia 2164 |
| E-mail | : lab@enrs.com.au | E-mail | : ALSEnviro.Sydney@ALSGlobal.com |
| Telephone | : 02 9037 4708 | Telephone | : +61-2-8784 8555 |
| Facsimile | : 02 9037 4708 | Facsimile | : +61-2-8784 8500 |
| Project | : ENRS3413 | Page | : 1 of 5 |
| Order number | : ---- | Quote number | : EW2023ENVNAT0003 (EW23ENVNAT0003) |
| C-O-C number | : ---- | QC Level | : NEPM 2013 B3 & ALS QC Standard |
| Site | : Air Liquide CO2 Plant DSI | | |
| Sampler | : CA | | |

## Dates

| | | | |
|---|---|---|---|
| Date Samples Received | : 15-Aug-2025 18:57 | Issue Date | : 18-Aug-2025 |
| Client Requested Due Date | : 22-Aug-2025 | Scheduled Reporting Date | : **22-Aug-2025** |

## Delivery Details

| | | | |
|---|---|---|---|
| Mode of Delivery | : Carrier | Security Seal | : Not Available |
| No. of coolers/boxes | : 4 | Temperature | : 12.8°C, 4.4°C, 4.0°C - Ice present |
| Receipt Detail | : Hard Esky | No. of samples received / analysed | : 93 / 51 |

## General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- TRIP 1, TRIP 2 and TRIP 3 have been forwarded to Envirolab for analysis.
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **The final report will be completed by the scheduled reporting date listed in this SRN. A Preliminary report will be available on 20/8/25 with the exception of Exchangable Cations (CEC) analysis.**
- **Sample(s) requiring volatile organic compound analysis received in airtight containers (ZHE).**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

## Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

## Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

| Laboratory sample ID | Sampling date / time | Sample ID | (On Hold) SOIL No analysis requested | SOIL - EA055-103 Moisture Content | SOIL - ED008 Def Exchangeable Cations with pre-treatment - | SOIL - IN-4S pH plus EC (1:5) | SOIL - S-19 TRH/BTEXN/PAH/Phi/OC/OP/PCB/8 metals | SOIL - S-23 minus BTEXN SVOC/VOC minus BTEXN | SOIL - S-26 8 metals/TRH/BTEXN/PAH |
|---|---|---|---|---|---|---|---|---|---|
| ES2525360-001 | 13-Aug-2025 00:00 | A1/TP1-0.2 | | ✓ | | | | | ✓ |
| ES2525360-002 | 13-Aug-2025 00:00 | A1/TP1-0.6 | ✓ | | | | | | |
| ES2525360-003 | 13-Aug-2025 00:00 | A1/TP2-0.2 | | ✓ | | | ✓ | | |
| ES2525360-004 | 13-Aug-2025 00:00 | A1/TP2-0.6 | ✓ | | | | | | |
| ES2525360-005 | 13-Aug-2025 00:00 | A1/TP3-0.2 | | ✓ | | | | | ✓ |
| ES2525360-006 | 13-Aug-2025 00:00 | A1/TP3-0.5 | ✓ | | | | | | |
| ES2525360-007 | 13-Aug-2025 00:00 | A1/TP4-0.1 | | ✓ | | | ✓ | | |
| ES2525360-008 | 13-Aug-2025 00:00 | A1/TP4-0.3 | ✓ | | | | | | |
| ES2525360-009 | 13-Aug-2025 00:00 | A1/TP4-0.7 | ✓ | | | | | | |
| ES2525360-010 | 13-Aug-2025 00:00 | A1/TP5-0.1 | | ✓ | | | ✓ | | |
| ES2525360-011 | 13-Aug-2025 00:00 | A1/TP5-0.3 | ✓ | | | | | | |
| ES2525360-012 | 13-Aug-2025 00:00 | A1/TP5-0.6 | ✓ | | | | | | |
| ES2525360-013 | 13-Aug-2025 00:00 | A1/TP6-0.2 | | ✓ | | | ✓ | | |
| ES2525360-014 | 13-Aug-2025 00:00 | A1/TP6-0.6 | ✓ | | | | | | |
| ES2525360-015 | 13-Aug-2025 00:00 | A1/TP7-0.2 | | ✓ | | | | | ✓ |
| ES2525360-016 | 13-Aug-2025 00:00 | A1/TP7-0.6 | ✓ | | | | | | |
| ES2525360-017 | 13-Aug-2025 00:00 | A1/TP8-0.2 | | ✓ | | | ✓ | | |
| ES2525360-018 | 13-Aug-2025 00:00 | A1/TP8-0.6 | ✓ | | | | | | |
| ES2525360-019 | 13-Aug-2025 00:00 | A1/TP9-0.1 | | ✓ | | | ✓ | | |
| ES2525360-020 | 13-Aug-2025 00:00 | A1/TP9-0.3 | ✓ | | | | | | |
| ES2525360-021 | 13-Aug-2025 00:00 | A1/TP9-0.6 | ✓ | | | | | | |
| ES2525360-022 | 13-Aug-2025 00:00 | A1/TP10-0.1 | | ✓ | | | | | ✓ |
| ES2525360-023 | 13-Aug-2025 00:00 | A1/TP10-0.3 | ✓ | | | | | | |
| ES2525360-024 | 13-Aug-2025 00:00 | A1/TP10-0.6 | ✓ | | | | | | |
| ES2525360-025 | 13-Aug-2025 00:00 | A1/TP11-0.2 | | ✓ | | | | | ✓ |
| ES2525360-026 | 13-Aug-2025 00:00 | A1/TP11-0.6 | ✓ | | | | | | |
| ES2525360-027 | 13-Aug-2025 00:00 | A1/TP12-0.2 | | ✓ | | | ✓ | | |
| ES2525360-028 | 13-Aug-2025 00:00 | A1/TP12-0.6 | ✓ | | | | | | |
| ES2525360-029 | 13-Aug-2025 00:00 | A1/TP13-0.2 | | ✓ | | | | | ✓ |
| ES2525360-030 | 13-Aug-2025 00:00 | A1/TP13-0.6 | ✓ | | | | | | |
| ES2525360-031 | 13-Aug-2025 00:00 | A1/TP14-0.1 | | ✓ | | | | | ✓ |
| ES2525360-032 | 13-Aug-2025 00:00 | A1/TP14-0.4 | ✓ | | | | | | |
| ES2525360-033 | 13-Aug-2025 00:00 | A1/TP14-0.6 | ✓ | | | | | | |
| ES2525360-034 | 13-Aug-2025 00:00 | A1/TP15-0.1 | | ✓ | | | ✓ | | |
| ES2525360-035 | 13-Aug-2025 00:00 | A1/TP15-0.4 | | ✓ | | | | ✓ | ✓ |

| | | | (On Hold) SOIL<br>No analysis requested | SOIL - EA055-103<br>Moisture Content | SOIL - ED008 Def<br>Exchangeable Cations with pre-treatment - | SOIL - IN4S<br>pH plus EC (1:5) | SOIL - S-19<br>TRH/BTEXN/PAH/Ph/OC/OP/PCB/8 metals | SOIL - S-23 minus BTEXN<br>SVOC/VOC minus BTEXN | SOIL - S-26<br>8 metals/TRH/BTEXN/PAH |
|---|---|---|---|---|---|---|---|---|---|
| ES2525360-036 | 13-Aug-2025 00:00 | A1/TP15-0.5 | ✓ | | | | | | |
| ES2525360-037 | 13-Aug-2025 00:00 | A1/TP15-0.8 | ✓ | | | | | | |
| ES2525360-038 | 13-Aug-2025 00:00 | A1/TP16-0.2 | | ✓ | | | ✓ | | |
| ES2525360-039 | 13-Aug-2025 00:00 | A1/TP16-0.6 | ✓ | | | | | | |
| ES2525360-040 | 13-Aug-2025 00:00 | A1/TP17-0.2 | | ✓ | | | | | ✓ |
| ES2525360-041 | 13-Aug-2025 00:00 | A1/TP17-0.6 | ✓ | | | | | | |
| ES2525360-042 | 13-Aug-2025 00:00 | A1/TP18-0.2 | | ✓ | | | ✓ | | |
| ES2525360-043 | 13-Aug-2025 00:00 | A1/TP18-0.6 | ✓ | | | | | | |
| ES2525360-044 | 13-Aug-2025 00:00 | A1/TP19-0.1 | | ✓ | | | | ✓ | ✓ |
| ES2525360-045 | 13-Aug-2025 00:00 | A1/TP19-0.5 | ✓ | | | | | | |
| ES2525360-046 | 13-Aug-2025 00:00 | A1/TP19-0.7 | ✓ | | | | | | |
| ES2525360-047 | 13-Aug-2025 00:00 | A1/TP20-0.1 | | ✓ | | | ✓ | | |
| ES2525360-048 | 13-Aug-2025 00:00 | A1/TP20-0.4 | | ✓ | | | | ✓ | ✓ |
| ES2525360-049 | 13-Aug-2025 00:00 | A1/TP20-0.9 | ✓ | | | | | | |
| ES2525360-050 | 13-Aug-2025 00:00 | A1/TP21-0.2 | | ✓ | | | | | ✓ |
| ES2525360-051 | 13-Aug-2025 00:00 | A1/TP21-0.6 | ✓ | | | | | | |
| ES2525360-052 | 13-Aug-2025 00:00 | A1/TP22-0.2 | | ✓ | | | ✓ | | |
| ES2525360-053 | 13-Aug-2025 00:00 | A1/TP22-0.6 | ✓ | | | | | | |
| ES2525360-054 | 13-Aug-2025 00:00 | A1/TP23-0.2 | | ✓ | | | | | ✓ |
| ES2525360-055 | 13-Aug-2025 00:00 | A1/TP23-0.6 | ✓ | | | | | | |
| ES2525360-056 | 13-Aug-2025 00:00 | A1/TP24-0.1 | | ✓ | | | | | ✓ |
| ES2525360-057 | 13-Aug-2025 00:00 | A1/TP24-0.3 | ✓ | | | | | | |
| ES2525360-058 | 13-Aug-2025 00:00 | A1/TP24-0.6 | ✓ | | | | | | |
| ES2525360-059 | 13-Aug-2025 00:00 | A1/TP25-0.1 | | ✓ | | | ✓ | | |
| ES2525360-060 | 13-Aug-2025 00:00 | A1/TP25-0.4 | | ✓ | | | | ✓ | ✓ |
| ES2525360-061 | 13-Aug-2025 00:00 | A1/TP25-0.6 | ✓ | | | | | | |
| ES2525360-062 | 13-Aug-2025 00:00 | A1/TP25-0.9 | ✓ | | | | | | |
| ES2525360-063 | 14-Aug-2025 00:00 | A2/TP1-0.2 | | ✓ | | | ✓ | | |
| ES2525360-064 | 14-Aug-2025 00:00 | A2/TP1-0.6 | | ✓ | ✓ | ✓ | | | ✓ |
| ES2525360-065 | 14-Aug-2025 00:00 | A2/TP2-0.2 | | ✓ | | | | | ✓ |
| ES2525360-066 | 14-Aug-2025 00:00 | A2/TP2-0.6 | ✓ | | | | | | |
| ES2525360-067 | 14-Aug-2025 00:00 | A2/TP3-0.1 | | ✓ | | | ✓ | | |
| ES2525360-068 | 14-Aug-2025 00:00 | A2/TP3-0.3 | | ✓ | | | | | ✓ |
| ES2525360-069 | 14-Aug-2025 00:00 | A2/TP3-0.6 | ✓ | | | | | | |
| ES2525360-070 | 14-Aug-2025 00:00 | A2/TP4-0.2 | | ✓ | | | ✓ | | |
| ES2525360-071 | 14-Aug-2025 00:00 | A2/TP4-0.6 | | ✓ | ✓ | ✓ | | | ✓ |
| ES2525360-072 | 14-Aug-2025 00:00 | A2/TP5-0.2 | | ✓ | | | | | ✓ |
| ES2525360-073 | 14-Aug-2025 00:00 | A2/TP5-0.6 | ✓ | | | | | | |
| ES2525360-074 | 14-Aug-2025 00:00 | A2/TP6-0.2 | | ✓ | | | ✓ | | |
| ES2525360-075 | 14-Aug-2025 00:00 | A2/TP6-0.6 | ✓ | | | | | | |
| ES2525360-076 | 14-Aug-2025 00:00 | A2/TP7-0.2 | | ✓ | | | | | ✓ |

| | | | (On Hold) SOIL No analysis requested | SOIL - EA055-103 Moisture Content | SOIL - ED008 Def Exchangeable Cations with pre-treatment - | SOIL - IN4S pH plus EC (1:5) | SOIL - S-19 TRH/BTEXN/PAH/Ph/OC/OP/PCB/8 metals | SOIL - S-23 minus BTEXN SVOC/VOC minus BTEXN | SOIL - S-26 8 metals/TRH/BTEXN/PAH |
|---|---|---|---|---|---|---|---|---|---|
| ES2525360-077 | 14-Aug-2025 00:00 | A2/TP7-0.5 | ✓ | | | | | | |
| ES2525360-078 | 14-Aug-2025 00:00 | A2/TP8-0.2 | | ✓ | | | ✓ | | |
| ES2525360-079 | 14-Aug-2025 00:00 | A2/TP8-0.5 | ✓ | | | | | | |
| ES2525360-080 | 14-Aug-2025 00:00 | A2/TP9-0.1 | | ✓ | | | ✓ | | |
| ES2525360-081 | 14-Aug-2025 00:00 | A2/TP9-0.3 | | ✓ | | | | | ✓ |
| ES2525360-082 | 14-Aug-2025 00:00 | A2/TP9-0.6 | ✓ | | | | | | |
| ES2525360-083 | 14-Aug-2025 00:00 | A2/TP10-0.2 | | ✓ | | | ✓ | | |
| ES2525360-084 | 14-Aug-2025 00:00 | A2/TP10-0.6 | ✓ | | | | | | |
| ES2525360-085 | 14-Aug-2025 00:00 | A2/TP11-0.2 | | ✓ | | | | | ✓ |
| ES2525360-086 | 14-Aug-2025 00:00 | A2/TP11-0.6 | | ✓ | ✓ | ✓ | | | ✓ |
| ES2525360-087 | 13-Aug-2025 00:00 | DUP 1 | | ✓ | | | | | ✓ |
| ES2525360-088 | 13-Aug-2025 00:00 | DUP 2 | | ✓ | | | | | ✓ |
| ES2525360-089 | 14-Aug-2025 00:00 | DUP 3 | | ✓ | | | | | ✓ |

Matrix: **SOIL**

| *Laboratory sample ID* | *Sampling date / time* | *Sample ID* | SOIL - EP080 BTEXN | SOIL - S-18 (NO MOIST) TRH(C6-C9)/BTEXN with No Moisture for TBs |
|---|---|---|---|---|
| ES2525360-090 | 11-Aug-2025 00:00 | Soil Blank | | ✓ |
| ES2525360-091 | 11-Aug-2025 00:00 | Soil Spike | ✓ | |
| ES2525360-092 | 11-Aug-2025 00:00 | Soil Control | ✓ | |

Matrix: **WATER**

| Laboratory sample ID | Sampling date / time | Sample ID | WATER - W-05T TRH/BTEXN/8 Metals (Total) |
|---|---|---|---|
| ES2525360-093 | 14-Aug-2025 00:00 | Rinse 01 | ✓ |

## Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

## Requested Deliverables

**Accounts**

| | | |
|---|---|---|
| - A4 - AU Tax Invoice (INV) | Email | accounts@enrs.com.au |

**LAB ENRS**

| | | |
|---|---|---|
| - *AU Certificate of Analysis - NATA (COA) | Email | lab@enrs.com.au |
| - *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) | Email | lab@enrs.com.au |
| - *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) | Email | lab@enrs.com.au |
| - A4 - AU Sample Receipt Notification - Environmental HT (SRN) | Email | lab@enrs.com.au |
| - Chain of Custody (CoC) (COC) | Email | lab@enrs.com.au |
| - EDI Format - ENMRG (ENMRG) | Email | lab@enrs.com.au |
| - EDI Format - ESDAT (ESDAT) | Email | lab@enrs.com.au |

# QUALITY CONTROL REPORT

| | | | |
|---|---|---|---|
| **Work Order** | : **ES2525360** | Page | : 1 of 43 |
| Client | : **ENVIRONMENT & NATURAL RESOURCE SOLUTIONS** | Laboratory | : Environmental Division Sydney |
| Contact | : LAB ENRS | Contact | : Customer Services ES |
| Address | : 108 Jerry Bailey Road<br>Shoalhaven Heads 2535 | Address | : 277-289 Woodpark Road Smithfield NSW Australia 2164 |
| Telephone | : 02 9037 4708 | Telephone | : +61-2-8784 8555 |
| Project | : ENRS3413 | Date Samples Received | : 15-Aug-2025 |
| Order number | : ---- | Date Analysis Commenced | : 18-Aug-2025 |
| C-O-C number | : ---- | Issue Date | : 21-Aug-2025 |
| Sampler | : CA | | |
| Site | : Air Liquide CO2 Plant DSI | | |
| Quote number | : EW23ENVNAT0003 | | |
| No. of samples received | : 93 | | |
| No. of samples analysed | : 51 | | |

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

## *Signatories*

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

| *Signatories* | *Position* | *Accreditation Category* |
|---|---|---|
| Ankit Joshi | Senior Chemist - Inorganics | Sydney Inorganics, Smithfield, NSW |
| Edwandy Fadjar | Organic Coordinator | Sydney Inorganics, Smithfield, NSW |
| Edwandy Fadjar | Organic Coordinator | Sydney Organics, Smithfield, NSW |
| Wisam Marassa | Inorganics Coordinator | Sydney Inorganics, Smithfield, NSW |

## General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

## Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 6794871)** | | | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 26 | 24 | 7.9 | 0% - 50% |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 28 | 27 | 5.4 | 0% - 50% |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | 14 | 13 | 8.6 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | 23 | 22 | 5.0 | No Limit |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 28 | 26 | 11.2 | No Limit |
| | | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 84 | 79 | 6.6 | 0% - 50% |
| ES2525360-025 | A1/TP11-0.2 | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 23 | 22 | 0.0 | 0% - 50% |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 26 | 24 | 4.8 | 0% - 50% |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | 11 | 11 | 0.0 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | 21 | 21 | 0.0 | No Limit |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 24 | 23 | 4.4 | No Limit |
| | | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 115 | 113 | 2.1 | 0% - 20% |
| **EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 6794873)** | | | | | | | | | |
| ES2525360-047 | A1/TP20-0.1 | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 17 | 17 | 0.0 | No Limit |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 16 | 16 | 0.0 | No Limit |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | 11 | 11 | 0.0 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | 16 | 15 | 0.0 | No Limit |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 19 | 19 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 6794873) - continued** | | | | | | | | | |
| ES2525360-047 | A1/TP20-0.1 | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 52 | 51 | 0.0 | 0% - 50% |
| ES2525360-065 | A2/TP2-0.2 | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 17 | 19 | 15.4 | No Limit |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 12 | 13 | 0.0 | No Limit |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | 12 | 14 | 17.3 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | 14 | 18 | 20.9 | No Limit |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 18 | 20 | 14.3 | No Limit |
| | | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 55 | 57 | 3.6 | 0% - 50% |
| **EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 6794944)** | | | | | | | | | |
| ES2525207-005 | Anonymous | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 10 | 9 | 0.0 | No Limit |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 3 | 2 | 0.0 | No Limit |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 7 | 6 | 16.2 | No Limit |
| | | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 15 | 14 | 10.5 | No Limit |
| ES2525340-005 | Anonymous | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 25 | 30 | 17.1 | 0% - 50% |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 8 | 7 | 0.0 | No Limit |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | 7 | 7 | 0.0 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | 19 | 18 | 0.0 | No Limit |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 21 | 24 | 13.2 | No Limit |
| | | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 33 | 36 | 9.0 | No Limit |
| **EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 6794946)** | | | | | | | | | |
| ES2525360-086 | A2/TP11-0.6 | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 19 | 20 | 0.0 | No Limit |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 19 | 20 | 0.0 | No Limit |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | 12 | 13 | 0.0 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | 18 | 17 | 0.0 | No Limit |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 16 | 16 | 0.0 | No Limit |
| | | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 56 | 55 | 2.2 | 0% - 50% |
| **EA002: pH 1:5 (Soils) (QC Lot: 6794875)** | | | | | | | | | |
| ES2525360-064 | A2/TP1-0.6 | EA002: pH Value | ---- | 0.1 | pH Unit | 7.0 | 6.8 | 3.0 | 0% - 20% |
| **EA002: pH 1:5 (Soils) (QC Lot: 6794947)** | | | | | | | | | |
| ES2525360-086 | A2/TP11-0.6 | EA002: pH Value | ---- | 0.1 | pH Unit | 7.0 | 7.1 | 0.0 | 0% - 20% |
| **EA010: Conductivity (1:5) (QC Lot: 6794876)** | | | | | | | | | |
| ES2525360-064 | A2/TP1-0.6 | EA010: Electrical Conductivity @ 25°C | ---- | 1 | µS/cm | 18 | 16 | 13.7 | 0% - 50% |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EA010: Conductivity (1:5) (QC Lot: 6794948)** | | | | | | | | | |
| ES2525360-086 | A2/TP11-0.6 | EA010: Electrical Conductivity @ 25°C | ---- | 1 | µS/cm | 22 | 23 | 0.0 | 0% - 20% |
| **EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6794877)** | | | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 30.7 | 30.3 | 1.3 | 0% - 20% |
| ES2525360-019 | A1/TP9-0.1 | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 45.3 | 48.1 | 6.0 | 0% - 20% |
| **EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6794878)** | | | | | | | | | |
| ES2525360-047 | A1/TP20-0.1 | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 27.0 | 26.0 | 4.1 | 0% - 20% |
| ES2525360-063 | A2/TP1-0.2 | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 43.3 | 42.1 | 2.9 | 0% - 20% |
| **EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6794950)** | | | | | | | | | |
| ES2525207-005 | Anonymous | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 14.0 | 11.5 | 19.2 | 0% - 50% |
| ES2525340-003 | Anonymous | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 19.0 | 18.8 | 0.9 | 0% - 50% |
| **EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6794951)** | | | | | | | | | |
| ES2525360-086 | A2/TP11-0.6 | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 21.0 | 21.1 | 0.0 | 0% - 20% |
| **ED007: Exchangeable Cations (QC Lot: 6803447)** | | | | | | | | | |
| ES2525360-064 | A2/TP1-0.6 | ED007: Exchangeable Sodium Percent | ---- | 0.1 | % | 3.1 | 3.1 | 0.0 | 0% - 20% |
| | | ED007: Exchangeable Calcium | ---- | 0.1 | meq/100g | 3.5 | 3.6 | 0.0 | 0% - 20% |
| | | ED007: Exchangeable Magnesium | ---- | 0.1 | meq/100g | 4.7 | 4.7 | 0.0 | 0% - 20% |
| | | ED007: Exchangeable Potassium | ---- | 0.1 | meq/100g | 0.1 | 0.1 | 0.0 | No Limit |
| | | ED007: Exchangeable Sodium | ---- | 0.1 | meq/100g | 0.3 | 0.3 | 0.0 | No Limit |
| | | ED007: Cation Exchange Capacity | ---- | 0.1 | meq/100g | 8.6 | 8.7 | 1.4 | 0% - 20% |
| **EG035T: Total Recoverable Mercury by FIMS (QC Lot: 6794872)** | | | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| ES2525360-025 | A1/TP11-0.2 | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| **EG035T: Total Recoverable Mercury by FIMS (QC Lot: 6794874)** | | | | | | | | | |
| ES2525360-047 | A1/TP20-0.1 | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| ES2525360-065 | A2/TP2-0.2 | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| **EG035T: Total Recoverable Mercury by FIMS (QC Lot: 6794943)** | | | | | | | | | |
| ES2525207-005 | Anonymous | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| ES2525340-005 | Anonymous | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| **EG035T: Total Recoverable Mercury by FIMS (QC Lot: 6794945)** | | | | | | | | | |
| ES2525360-086 | A2/TP11-0.6 | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| **EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 6794259)** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP066: Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| ES2525360-003 | A1/TP2-0.2 | EP066: Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| **EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 6794271)** | | | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP066: Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| **EP068A: Organochlorine Pesticides (OC) (QC Lot: 6794258)** | | | | | | | | | |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP068A: Organochlorine Pesticides (OC) (QC Lot: 6794258) - continued** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP068: alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| ES2525360-003 | A1/TP2-0.2 | EP068: alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP068A: Organochlorine Pesticides (OC) (QC Lot: 6794258) - continued** | | | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP068: Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| **EP068A: Organochlorine Pesticides (OC) (QC Lot: 6794268)** | | | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP068: alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| **EP068B: Organophosphorus Pesticides (OP) (QC Lot: 6794258)** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP068: Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP068B: Organophosphorus Pesticides (OP) (QC Lot: 6794258) - continued** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP068: Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| ES2525360-003 | A1/TP2-0.2 | EP068: Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| **EP068B: Organophosphorus Pesticides (OP) (QC Lot: 6794268)** | | | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP068: Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP068B: Organophosphorus Pesticides (OP) (QC Lot: 6794268) - continued** | | | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP068: Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| **EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 6794211)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: Styrene | 100-42-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Isopropylbenzene | 98-82-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: n-Propylbenzene | 103-65-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.3.5-Trimethylbenzene | 108-67-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: sec-Butylbenzene | 135-98-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.2.4-Trimethylbenzene | 95-63-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: tert-Butylbenzene | 98-06-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: p-Isopropyltoluene | 99-87-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: n-Butylbenzene | 104-51-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP074B: Oxygenated Compounds (QC Lot: 6794211)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: Vinyl Acetate | 108-05-4 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EP074: 2-Butanone (MEK) | 78-93-3 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EP074: 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EP074: 2-Hexanone (MBK) | 591-78-6 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| **EP074C: Sulfonated Compounds (QC Lot: 6794211)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: Carbon disulfide | 75-15-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP074D: Fumigants (QC Lot: 6794211)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: 2.2-Dichloropropane | 594-20-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.2-Dichloropropane | 78-87-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: cis-1.3-Dichloropropylene | 10061-01-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: trans-1.3-Dichloropropylene | 10061-02-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.2-Dibromoethane (EDB) | 106-93-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP074E: Halogenated Aliphatic Compounds (QC Lot: 6794211)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: 1.1-Dichloroethene | 75-35-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Iodomethane | 74-88-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: trans-1.2-Dichloroethene | 156-60-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP074E: Halogenated Aliphatic Compounds (QC Lot: 6794211) - continued** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: 1.1-Dichloroethane | 75-34-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: cis-1.2-Dichloroethene | 156-59-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.1.1-Trichloroethane | 71-55-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.1-Dichloropropylene | 563-58-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Carbon Tetrachloride | 56-23-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.2-Dichloroethane | 107-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Trichloroethene | 79-01-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Dibromomethane | 74-95-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.1.2-Trichloroethane | 79-00-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.3-Dichloropropane | 142-28-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Tetrachloroethene | 127-18-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.1.1.2-Tetrachloroethane | 630-20-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: trans-1.4-Dichloro-2-butene | 110-57-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: cis-1.4-Dichloro-2-butene | 1476-11-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.1.2.2-Tetrachloroethane | 79-34-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.2.3-Trichloropropane | 96-18-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Pentachloroethane | 76-01-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.2-Dibromo-3-chloropropane | 96-12-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Dichlorodifluoromethane | 75-71-8 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EP074: Chloromethane | 74-87-3 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EP074: Vinyl chloride | 75-01-4 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EP074: Bromomethane | 74-83-9 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EP074: Chloroethane | 75-00-3 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| | | EP074: Trichlorofluoromethane | 75-69-4 | 5 | mg/kg | <5 | <5 | 0.0 | No Limit |
| **EP074F: Halogenated Aromatic Compounds (QC Lot: 6794211)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: Chlorobenzene | 108-90-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Bromobenzene | 108-86-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 2-Chlorotoluene | 95-49-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 4-Chlorotoluene | 106-43-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: 1.2.3-Trichlorobenzene | 87-61-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP074G: Trihalomethanes (QC Lot: 6794211)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: Chloroform | 67-66-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Bromodichloromethane | 75-27-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Dibromochloromethane | 124-48-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP074: Bromoform | 75-25-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP075(SIM)A: Phenolic Compounds (QC Lot: 6794253)** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP075(SIM)A: Phenolic Compounds (QC Lot: 6794253) - continued** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | <2 | 0.0 | No Limit |
| ES2525360-003 | A1/TP2-0.2 | EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | <2 | 0.0 | No Limit |
| **EP075(SIM)A: Phenolic Compounds (QC Lot: 6794269)** | | | | | | | | | |
| ES2525360-078 | A2/TP8-0.2 | EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | <2 | 0.0 | No Limit |
| ES2525360-063 | A2/TP1-0.2 | EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP075(SIM)A: Phenolic Compounds (QC Lot: 6794269) - continued** | | | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | <2 | 0.0 | No Limit |
| **EP075(SIM)A: Phenolic Compounds (QC Lot: 6794274)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | <2 | 0.0 | No Limit |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6794253)** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6794253) - continued** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| ES2525360-003 | A1/TP2-0.2 | EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6794269)** | | | | | | | | | |
| ES2525360-078 | A2/TP8-0.2 | EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6794269) - continued** | | | | | | | | | |
| ES2525360-078 | A2/TP8-0.2 | EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| ES2525360-063 | A2/TP1-0.2 | EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6794274)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6794274) - continued** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP075A: Phenolic Compounds (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 3- & 4-Methylphenol | 1319-77-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Pentachlorophenol | 87-86-5 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| **EP075B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2-Methylnaphthalene | 91-57-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2-Chloronaphthalene | 91-58-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: N-2-Fluorenyl Acetamide | 53-96-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EP075B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6794276) - continued** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 7.12-Dimethylbenz(a)anthracene | 57-97-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 3-Methylcholanthrene | 56-49-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Benzo(b+j) & Benzo(k)fluoranthene | 205-99-2<br>207-08-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| **EP075C: Phthalate Esters (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Dimethyl phthalate | 131-11-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Diethyl phthalate | 84-66-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Di-n-butyl phthalate | 84-74-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Butyl benzyl phthalate | 85-68-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Di-n-octylphthalate | 117-84-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP075D: Nitrosamines (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: N-Nitrosomethylethylamine | 10595-95-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: N-Nitrosodiethylamine | 55-18-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: N-Nitrosopyrrolidine | 930-55-2 | 0.5 (1.0)* | mg/kg | <1.0 | <1.0 | 0.0 | No Limit |
| | | EP075: N-Nitrosomorpholine | 59-89-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: N-Nitrosodi-n-propylamine | 621-64-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: N-Nitrosopiperidine | 100-75-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: N-Nitrosodibutylamine | 924-16-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: N-Nitrosodiphenyl & Diphenylamine | 86-30-6<br>122-39-4 | 0.5 (1.0)* | mg/kg | <1.0 | <1.0 | 0.0 | No Limit |
| | | EP075: Methapyrilene | 91-80-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP075E: Nitroaromatics and Ketones (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: 2-Picoline | 109-06-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Acetophenone | 98-86-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Nitrobenzene | 98-95-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Isophorone | 78-59-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2.6-Dinitrotoluene | 606-20-2 | 0.5 (1.0)* | mg/kg | <1.0 | <1.0 | 0.0 | No Limit |
| | | EP075: 2.4-Dinitrotoluene | 121-14-2 | 0.5 (1.0)* | mg/kg | <1.0 | <1.0 | 0.0 | No Limit |
| | | EP075: 1-Naphthylamine | 134-32-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4-Nitroquinoline-N-oxide | 56-57-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 5-Nitro-o-toluidine | 99-55-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 1.3.5-Trinitrobenzene | 99-35-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EP075E: Nitroaromatics and Ketones (QC Lot: 6794276) - continued** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Phenacetin | 62-44-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4-Aminobiphenyl | 92-67-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Pentachloronitrobenzene | 82-68-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Pronamide | 23950-58-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Dimethylaminoazobenzene | 60-11-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Chlorobenzilate | 510-15-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Azobenzene | 103-33-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| **EP075F: Haloethers (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Bis(2-chloroethyl) ether | 111-44-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Bis(2-chloroethoxy) methane | 111-91-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4-Chlorophenyl phenyl ether | 7005-72-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4-Bromophenyl phenyl ether | 101-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP075G: Chlorinated Hydrocarbons (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: 1.3-Dichlorobenzene | 541-73-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 1.4-Dichlorobenzene | 106-46-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 1.2-Dichlorobenzene | 95-50-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Hexachloroethane | 67-72-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 1.2.4-Trichlorobenzene | 120-82-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Hexachloropropylene | 1888-71-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Hexachlorobutadiene | 87-68-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Pentachlorobenzene | 608-93-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Hexachlorobenzene (HCB) | 118-74-1 | 0.5 (1.0)* | mg/kg | <1.0 | <1.0 | 0.0 | No Limit |
| | | EP075: Hexachlorocyclopentadiene | 77-47-4 | 2.5 | mg/kg | <2.5 | <2.5 | 0.0 | No Limit |
| **EP075H: Anilines and Benzidines (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Aniline | 62-53-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4-Chloroaniline | 106-47-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 2-Nitroaniline | 88-74-4 | 0.5 (1.0)* | mg/kg | <1.0 | <1.0 | 0.0 | No Limit |
| | | EP075: 3-Nitroaniline | 99-09-2 | 0.5 (1.0)* | mg/kg | <1.0 | <1.0 | 0.0 | No Limit |
| | | EP075: Dibenzofuran | 132-64-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4-Nitroaniline | 100-01-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Carbazole | 86-74-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 3.3`-Dichlorobenzidine | 91-94-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP075I: Organochlorine Pesticides (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: alpha-BHC | 319-84-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: beta-BHC | 319-85-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: gamma-BHC - (Lindane) | 58-89-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: delta-BHC | 319-86-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EP075I: Organochlorine Pesticides (QC Lot: 6794276) - continued** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Heptachlor | 76-44-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Aldrin | 309-00-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Heptachlor epoxide | 1024-57-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: alpha-Endosulfan | 959-98-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4.4`-DDE | 72-55-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Dieldrin | 60-57-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Endrin | 72-20-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: beta-Endosulfan | 33213-65-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4.4`-DDD | 72-54-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Endosulfan sulfate | 1031-07-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: 4.4`-DDT | 50-29-3 | 0.5 (1.0)* | mg/kg | <1.0 | <1.0 | 0.0 | No Limit |
| **EP075J: Organophosphorus Pesticides (QC Lot: 6794276)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Dichlorvos | 62-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Dimethoate | 60-51-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Diazinon | 333-41-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Chlorpyrifos-methyl | 5598-13-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Malathion | 121-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Fenthion | 55-38-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Chlorpyrifos | 2921-88-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Pirimphos-ethyl | 23505-41-1 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Chlorfenvinphos | 470-90-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Prothiofos | 34643-46-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075: Ethion | 563-12-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794210)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794212)** | | | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| ES2525360-025 | A1/TP11-0.2 | EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794223)** | | | | | | | | | |
| ES2525360-052 | A1/TP22-0.2 | EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| ES2525360-071 | A2/TP4-0.6 | EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794255)** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| ES2525360-003 | A1/TP2-0.2 | EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794255) - continued** | | | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794270)** | | | | | | | | | |
| ES2525360-078 | A2/TP8-0.2 | EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| ES2525360-063 | A2/TP1-0.2 | EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794275)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794557)** | | | | | | | | | |
| ES2525401-001 | Anonymous | EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794210)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794212)** | | | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| ES2525360-025 | A1/TP11-0.2 | EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794223)** | | | | | | | | | |
| ES2525360-052 | A1/TP22-0.2 | EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| ES2525360-071 | A2/TP4-0.6 | EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794255)** | | | | | | | | | |
| ES2525360-027 | A1/TP12-0.2 | EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| ES2525360-003 | A1/TP2-0.2 | EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794270)** | | | | | | | | | |
| ES2525360-078 | A2/TP8-0.2 | EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| ES2525360-063 | A2/TP1-0.2 | EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794275)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794557)** | | | | | | | | | |
| ES2525401-001 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080: BTEXN (QC Lot: 6794210)** | | | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| **EP080: BTEXN (QC Lot: 6794212)** | | | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| ES2525360-025 | A1/TP11-0.2 | EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| **EP080: BTEXN (QC Lot: 6794223)** | | | | | | | | | |
| ES2525360-052 | A1/TP22-0.2 | EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| ES2525360-071 | A2/TP4-0.6 | EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EP080: BTEXN (QC Lot: 6794223) - continued** | | | | | | | | | |
| ES2525360-071 | A2/TP4-0.6 | EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| **EP080: BTEXN (QC Lot: 6794557)** | | | | | | | | | |
| ES2525401-001 | Anonymous | EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |

Sub-Matrix: **WATER**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EG020T: Total Metals by ICP-MS (QC Lot: 6795900)** | | | | | | | | | |
| ES2525356-003 | Anonymous | EG020A-T: Cadmium | 7440-43-9 | 0.0001 | mg/L | <0.0001 | <0.0001 | 0.0 | No Limit |
| | | EG020A-T: Arsenic | 7440-38-2 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Chromium | 7440-47-3 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Copper | 7440-50-8 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Lead | 7439-92-1 | 0.001 | mg/L | 0.002 | 0.002 | 0.0 | No Limit |
| | | EG020A-T: Nickel | 7440-02-0 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Zinc | 7440-66-6 | 0.005 | mg/L | 0.016 | 0.018 | 16.5 | No Limit |
| ES2525475-003 | Anonymous | EG020A-T: Cadmium | 7440-43-9 | 0.0001 | mg/L | <0.0001 | <0.0001 | 0.0 | No Limit |
| | | EG020A-T: Arsenic | 7440-38-2 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Chromium | 7440-47-3 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Copper | 7440-50-8 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Lead | 7439-92-1 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Nickel | 7440-02-0 | 0.001 | mg/L | 0.002 | 0.002 | 0.0 | No Limit |
| | | EG020A-T: Zinc | 7440-66-6 | 0.005 | mg/L | 0.015 | 0.007 | 71.0 | No Limit |
| **EG035T: Total Recoverable Mercury by FIMS (QC Lot: 6795873)** | | | | | | | | | |
| ES2525356-008 | Anonymous | EG035T: Mercury | 7439-97-6 | 0.0001 | mg/L | <0.0001 | <0.0001 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6794021)** | | | | | | | | | |
| ES2525217-001 | Anonymous | EP080: C6 - C9 Fraction | ---- | 20 | µg/L | <20 | <20 | 0.0 | No Limit |
| ES2525274-010 | Anonymous | EP080: C6 - C9 Fraction | ---- | 20 | µg/L | <20 | <20 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794021)** | | | | | | | | | |
| ES2525217-001 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 20 | µg/L | <20 | <20 | 0.0 | No Limit |

Sub-Matrix: **WATER**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6794021) - continued** | | | | | | | | | |
| ES2525274-010 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 20 | µg/L | <20 | <20 | 0.0 | No Limit |
| **EP080: BTEXN (QC Lot: 6794021)** | | | | | | | | | |
| ES2525217-001 | Anonymous | EP080: Benzene | 71-43-2 | 1 | µg/L | <1 | <1 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 5 | µg/L | <5 | <5 | 0.0 | No Limit |
| ES2525274-010 | Anonymous | EP080: Benzene | 71-43-2 | 1 | µg/L | <1 | <1 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 5 | µg/L | <5 | <5 | 0.0 | No Limit |

## Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

| | | | | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| Method: Compound | CAS Number | LOR | Unit | Result | Concentration | LCS | Low | High |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794871)** | | | | | | | | |
| EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | <5 | 121.1 mg/kg | 95.6 | 88.0 | 113 |
| EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | 0.74 mg/kg | 94.1 | 70.0 | 130 |
| EG005T: Chromium | 7440-47-3 | 2 | mg/kg | <2 | 19.6 mg/kg | 107 | 68.0 | 132 |
| EG005T: Copper | 7440-50-8 | 5 | mg/kg | <5 | 52.9 mg/kg | 99.3 | 89.0 | 111 |
| EG005T: Lead | 7439-92-1 | 5 | mg/kg | <5 | 60.8 mg/kg | 97.6 | 82.0 | 119 |
| EG005T: Nickel | 7440-02-0 | 2 | mg/kg | <2 | 15.3 mg/kg | 95.2 | 80.0 | 120 |
| EG005T: Zinc | 7440-66-6 | 5 | mg/kg | <5 | 139.3 mg/kg | 90.8 | 66.0 | 133 |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794873)** | | | | | | | | |
| EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | <5 | 121.1 mg/kg | 96.6 | 88.0 | 113 |
| EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | 0.74 mg/kg | 88.8 | 70.0 | 130 |
| EG005T: Chromium | 7440-47-3 | 2 | mg/kg | <2 | 19.6 mg/kg | 111 | 68.0 | 132 |
| EG005T: Copper | 7440-50-8 | 5 | mg/kg | <5 | 52.9 mg/kg | 102 | 89.0 | 111 |
| EG005T: Lead | 7439-92-1 | 5 | mg/kg | <5 | 60.8 mg/kg | 98.7 | 82.0 | 119 |
| EG005T: Nickel | 7440-02-0 | 2 | mg/kg | <2 | 15.3 mg/kg | 98.2 | 80.0 | 120 |
| EG005T: Zinc | 7440-66-6 | 5 | mg/kg | <5 | 139.3 mg/kg | 91.5 | 66.0 | 133 |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794944)** | | | | | | | | |
| EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | <5 | 121.1 mg/kg | 95.5 | 88.0 | 113 |
| EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | 0.74 mg/kg | 86.8 | 70.0 | 130 |
| EG005T: Chromium | 7440-47-3 | 2 | mg/kg | <2 | 19.6 mg/kg | 108 | 68.0 | 132 |
| EG005T: Copper | 7440-50-8 | 5 | mg/kg | <5 | 52.9 mg/kg | 100 | 89.0 | 111 |
| EG005T: Lead | 7439-92-1 | 5 | mg/kg | <5 | 60.8 mg/kg | 96.2 | 82.0 | 119 |
| EG005T: Nickel | 7440-02-0 | 2 | mg/kg | <2 | 15.3 mg/kg | 101 | 80.0 | 120 |
| EG005T: Zinc | 7440-66-6 | 5 | mg/kg | <5 | 139.3 mg/kg | 92.6 | 66.0 | 133 |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794946)** | | | | | | | | |
| EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | <5 | 121.1 mg/kg | 98.2 | 88.0 | 113 |
| EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | 0.74 mg/kg | 84.2 | 70.0 | 130 |
| EG005T: Chromium | 7440-47-3 | 2 | mg/kg | <2 | 19.6 mg/kg | 109 | 68.0 | 132 |
| EG005T: Copper | 7440-50-8 | 5 | mg/kg | <5 | 52.9 mg/kg | 102 | 89.0 | 111 |
| EG005T: Lead | 7439-92-1 | 5 | mg/kg | <5 | 60.8 mg/kg | 97.4 | 82.0 | 119 |
| EG005T: Nickel | 7440-02-0 | 2 | mg/kg | <2 | 15.3 mg/kg | 96.4 | 80.0 | 120 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report: Result | Laboratory Control Spike (LCS) Report: Spike Concentration | Spike Recovery (%): LCS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|---|
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794946) - continued** | | | | | | | | |
| EG005T: Zinc | 7440-66-6 | 5 | mg/kg | <5 | 139.3 mg/kg | 88.8 | 66.0 | 133 |
| **EA002: pH 1:5 (Soils) (QCLot: 6794875)** | | | | | | | | |
| EA002: pH Value | ---- | ---- | pH Unit | ---- | 4 pH Unit | 99.5 | 98.8 | 101 |
| | | | | ---- | 7 pH Unit | 100 | 98.8 | 101 |
| **EA002: pH 1:5 (Soils) (QCLot: 6794947)** | | | | | | | | |
| EA002: pH Value | ---- | ---- | pH Unit | ---- | 4 pH Unit | 99.8 | 98.8 | 101 |
| | | | | ---- | 7 pH Unit | 100 | 98.8 | 101 |
| **EA010: Conductivity (1:5) (QCLot: 6794948)** | | | | | | | | |
| EA010: Electrical Conductivity @ 25°C | ---- | 1 | µS/cm | <1 | 1412 µS/cm | 98.6 | 92.0 | 108 |
| **ED007: Exchangeable Cations (QCLot: 6803447)** | | | | | | | | |
| ED007: Exchangeable Calcium | ---- | 0.1 | meq/100g | <0.1 | 1 meq/100g | 105 | 75.8 | 120 |
| ED007: Exchangeable Magnesium | ---- | 0.1 | meq/100g | <0.1 | 1.67 meq/100g | 103 | 74.9 | 115 |
| ED007: Exchangeable Potassium | ---- | 0.1 | meq/100g | <0.1 | 0.51 meq/100g | 107 | 80.0 | 120 |
| ED007: Exchangeable Sodium | ---- | 0.1 | meq/100g | <0.1 | 0.87 meq/100g | 104 | 80.0 | 120 |
| ED007: Cation Exchange Capacity | ---- | 0.1 | meq/100g | <0.1 | ---- | ---- | ---- | ---- |
| ED007: Exchangeable Sodium Percent | ---- | 0.1 | % | <0.1 | ---- | ---- | ---- | ---- |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6794872)** | | | | | | | | |
| EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | 0.087 mg/kg | 83.9 | 70.0 | 125 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6794874)** | | | | | | | | |
| EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | 0.087 mg/kg | 89.1 | 70.0 | 125 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6794943)** | | | | | | | | |
| EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | 0.087 mg/kg | 91.3 | 70.0 | 125 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6794945)** | | | | | | | | |
| EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | 0.087 mg/kg | 85.1 | 70.0 | 125 |
| **EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6794259)** | | | | | | | | |
| EP066: Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | <0.1 | 1 mg/kg | 84.9 | 62.0 | 126 |
| **EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6794271)** | | | | | | | | |
| EP066: Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | <0.1 | 1 mg/kg | 84.0 | 62.0 | 126 |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 6794258)** | | | | | | | | |
| EP068: alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 87.6 | 69.0 | 113 |
| EP068: Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 92.0 | 65.0 | 117 |
| EP068: beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 103 | 67.0 | 119 |
| EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 97.5 | 68.0 | 116 |
| EP068: delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 87.4 | 65.0 | 117 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 6794258) - continued** | | | | | | | | |
| EP068: Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 84.8 | 67.0 | 115 |
| EP068: Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 92.8 | 69.0 | 115 |
| EP068: Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 97.7 | 62.0 | 118 |
| EP068: trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 94.5 | 63.0 | 117 |
| EP068: alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 81.2 | 66.0 | 116 |
| EP068: cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 106 | 64.0 | 116 |
| EP068: Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 91.0 | 66.0 | 116 |
| EP068: 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 104 | 67.0 | 115 |
| EP068: Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 95.5 | 67.0 | 123 |
| EP068: beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 94.3 | 69.0 | 115 |
| EP068: 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 88.6 | 69.0 | 121 |
| EP068: Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 99.8 | 56.0 | 120 |
| EP068: Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 92.9 | 62.0 | 124 |
| EP068: 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 95.8 | 66.0 | 120 |
| EP068: Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 105 | 64.0 | 122 |
| EP068: Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 92.0 | 54.0 | 130 |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 6794268)** | | | | | | | | |
| EP068: alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 96.4 | 69.0 | 113 |
| EP068: Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 102 | 65.0 | 117 |
| EP068: beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 106 | 67.0 | 119 |
| EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 106 | 68.0 | 116 |
| EP068: delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 90.2 | 65.0 | 117 |
| EP068: Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 95.6 | 67.0 | 115 |
| EP068: Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 99.8 | 69.0 | 115 |
| EP068: Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 107 | 62.0 | 118 |
| EP068: trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 102 | 63.0 | 117 |
| EP068: alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 92.7 | 66.0 | 116 |
| EP068: cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 104 | 64.0 | 116 |
| EP068: Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 96.3 | 66.0 | 116 |
| EP068: 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 102 | 67.0 | 115 |
| EP068: Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 97.0 | 67.0 | 123 |
| EP068: beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 97.6 | 69.0 | 115 |
| EP068: 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 86.4 | 69.0 | 121 |
| EP068: Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 104 | 56.0 | 120 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 6794268) - continued** | | | | | | | | |
| EP068: Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 101 | 62.0 | 124 |
| EP068: 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 107 | 66.0 | 120 |
| EP068: Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 103 | 64.0 | 122 |
| EP068: Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 104 | 54.0 | 130 |
| **EP068B: Organophosphorus Pesticides (OP) (QCLot: 6794258)** | | | | | | | | |
| EP068: Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 76.6 | 59.0 | 119 |
| EP068: Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 102 | 62.0 | 128 |
| EP068: Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 80.3 | 54.0 | 126 |
| EP068: Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 89.6 | 67.0 | 119 |
| EP068: Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 102 | 70.0 | 120 |
| EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 98.5 | 72.0 | 120 |
| EP068: Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 95.0 | 68.0 | 120 |
| EP068: Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 87.8 | 68.0 | 122 |
| EP068: Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 96.6 | 69.0 | 117 |
| EP068: Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 91.4 | 76.0 | 118 |
| EP068: Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 80.3 | 64.0 | 122 |
| EP068: Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 103 | 70.0 | 116 |
| EP068: Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 92.7 | 69.0 | 121 |
| EP068: Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 98.4 | 66.0 | 118 |
| EP068: Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 80.3 | 68.0 | 124 |
| EP068: Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 99.2 | 62.0 | 112 |
| EP068: Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 88.0 | 68.0 | 120 |
| EP068: Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 97.7 | 65.0 | 127 |
| EP068: Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 67.6 | 41.0 | 123 |
| **EP068B: Organophosphorus Pesticides (OP) (QCLot: 6794268)** | | | | | | | | |
| EP068: Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 89.2 | 59.0 | 119 |
| EP068: Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 89.4 | 62.0 | 128 |
| EP068: Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 102 | 54.0 | 126 |
| EP068: Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 105 | 67.0 | 119 |
| EP068: Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 83.4 | 70.0 | 120 |
| EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 99.8 | 72.0 | 120 |
| EP068: Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 87.6 | 68.0 | 120 |
| EP068: Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 101 | 68.0 | 122 |
| EP068: Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 106 | 69.0 | 117 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP068B: Organophosphorus Pesticides (OP) (QCLot: 6794268) - continued** | | | | | | | | |
| EP068: Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 99.4 | 76.0 | 118 |
| EP068: Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 83.3 | 64.0 | 122 |
| EP068: Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 104 | 70.0 | 116 |
| EP068: Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 104 | 69.0 | 121 |
| EP068: Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 99.8 | 66.0 | 118 |
| EP068: Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 82.3 | 68.0 | 124 |
| EP068: Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 104 | 62.0 | 112 |
| EP068: Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 94.5 | 68.0 | 120 |
| EP068: Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 106 | 65.0 | 127 |
| EP068: Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 78.6 | 41.0 | 123 |
| **EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 6794211)** | | | | | | | | |
| EP074: Styrene | 100-42-5 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 98.5 | 67.0 | 113 |
| EP074: Isopropylbenzene | 98-82-8 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 102 | 65.0 | 117 |
| EP074: n-Propylbenzene | 103-65-1 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 99.5 | 66.0 | 122 |
| EP074: 1.3.5-Trimethylbenzene | 108-67-8 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 103 | 68.0 | 118 |
| EP074: sec-Butylbenzene | 135-98-8 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 104 | 69.0 | 119 |
| EP074: 1.2.4-Trimethylbenzene | 95-63-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 101 | 69.0 | 117 |
| EP074: tert-Butylbenzene | 98-06-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 100 | 69.0 | 115 |
| EP074: p-Isopropyltoluene | 99-87-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 102 | 66.0 | 118 |
| EP074: n-Butylbenzene | 104-51-8 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 99.3 | 59.0 | 125 |
| **EP074B: Oxygenated Compounds (QCLot: 6794211)** | | | | | | | | |
| EP074: Vinyl Acetate | 108-05-4 | 5 | mg/kg | <5 | 10 mg/kg | 83.9 | 29.6 | 156 |
| EP074: 2-Butanone (MEK) | 78-93-3 | 5 | mg/kg | <5 | 10 mg/kg | 86.7 | 58.0 | 136 |
| EP074: 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 5 | mg/kg | <5 | 10 mg/kg | 94.8 | 62.0 | 132 |
| EP074: 2-Hexanone (MBK) | 591-78-6 | 5 | mg/kg | <5 | 10 mg/kg | 92.4 | 54.0 | 136 |
| **EP074C: Sulfonated Compounds (QCLot: 6794211)** | | | | | | | | |
| EP074: Carbon disulfide | 75-15-0 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 89.3 | 54.0 | 126 |
| **EP074D: Fumigants (QCLot: 6794211)** | | | | | | | | |
| EP074: 2.2-Dichloropropane | 594-20-7 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 96.2 | 60.0 | 126 |
| EP074: 1.2-Dichloropropane | 78-87-5 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 97.9 | 68.0 | 124 |
| EP074: cis-1.3-Dichloropropylene | 10061-01-5 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 91.8 | 51.0 | 119 |
| EP074: trans-1.3-Dichloropropylene | 10061-02-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 92.6 | 52.0 | 114 |
| EP074: 1.2-Dibromoethane (EDB) | 106-93-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 97.6 | 63.0 | 115 |
| **EP074E: Halogenated Aliphatic Compounds (QCLot: 6794211)** | | | | | | | | |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP074E: Halogenated Aliphatic Compounds (QCLot: 6794211) - continued** | | | | | | | | |
| EP074: Dichlorodifluoromethane | 75-71-8 | 5 | mg/kg | <5 | 10 mg/kg | 62.4 | 30.0 | 148 |
| EP074: Chloromethane | 74-87-3 | 5 | mg/kg | <5 | 10 mg/kg | 92.4 | 41.0 | 141 |
| EP074: Vinyl chloride | 75-01-4 | 5 | mg/kg | <5 | 10 mg/kg | 96.3 | 43.0 | 147 |
| EP074: Bromomethane | 74-83-9 | 5 | mg/kg | <5 | 10 mg/kg | 91.0 | 47.0 | 141 |
| EP074: Chloroethane | 75-00-3 | 5 | mg/kg | <5 | 10 mg/kg | 84.9 | 49.0 | 143 |
| EP074: Trichlorofluoromethane | 75-69-4 | 5 | mg/kg | <5 | 10 mg/kg | 97.8 | 49.0 | 135 |
| EP074: 1.1-Dichloroethene | 75-35-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 92.8 | 54.0 | 126 |
| EP074: Iodomethane | 74-88-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 85.1 | 43.0 | 129 |
| EP074: trans-1.2-Dichloroethene | 156-60-5 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 97.5 | 64.0 | 120 |
| EP074: 1.1-Dichloroethane | 75-34-3 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 101 | 67.0 | 125 |
| EP074: cis-1.2-Dichloroethene | 156-59-2 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 102 | 69.0 | 121 |
| EP074: 1.1.1-Trichloroethane | 71-55-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 97.3 | 65.0 | 117 |
| EP074: 1.1-Dichloropropylene | 563-58-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 95.8 | 65.0 | 123 |
| EP074: Carbon Tetrachloride | 56-23-5 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 95.9 | 59.0 | 125 |
| EP074: 1.2-Dichloroethane | 107-06-2 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 101 | 65.0 | 125 |
| EP074: Trichloroethene | 79-01-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 101 | 70.0 | 118 |
| EP074: Dibromomethane | 74-95-3 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 95.7 | 68.0 | 118 |
| EP074: 1.1.2-Trichloroethane | 79-00-5 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 101 | 64.0 | 126 |
| EP074: 1.3-Dichloropropane | 142-28-9 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 100 | 68.0 | 122 |
| EP074: Tetrachloroethene | 127-18-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 106 | 67.0 | 143 |
| EP074: 1.1.1.2-Tetrachloroethane | 630-20-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 98.3 | 62.0 | 122 |
| EP074: trans-1.4-Dichloro-2-butene | 110-57-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 72.1 | 54.0 | 128 |
| EP074: cis-1.4-Dichloro-2-butene | 1476-11-5 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 91.5 | 55.0 | 129 |
| EP074: 1.1.2.2-Tetrachloroethane | 79-34-5 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 99.0 | 65.0 | 121 |
| EP074: 1.2.3-Trichloropropane | 96-18-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 97.3 | 61.0 | 125 |
| EP074: Pentachloroethane | 76-01-7 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 95.5 | 19.8 | 134 |
| EP074: 1.2-Dibromo-3-chloropropane | 96-12-8 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 90.6 | 53.0 | 129 |
| **EP074F: Halogenated Aromatic Compounds (QCLot: 6794211)** | | | | | | | | |
| EP074: Chlorobenzene | 108-90-7 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 102 | 68.0 | 116 |
| EP074: Bromobenzene | 108-86-1 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 100 | 70.0 | 114 |
| EP074: 2-Chlorotoluene | 95-49-8 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 104 | 68.0 | 122 |
| EP074: 4-Chlorotoluene | 106-43-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 104 | 67.0 | 123 |
| EP074: 1.2.3-Trichlorobenzene | 87-61-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 95.4 | 52.0 | 122 |
| **EP074G: Trihalomethanes (QCLot: 6794211)** | | | | | | | | |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP074G: Trihalomethanes (QCLot: 6794211) - continued** | | | | | | | | |
| EP074: Chloroform | 67-66-3 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 100 | 66.0 | 124 |
| EP074: Bromodichloromethane | 75-27-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 98.0 | 61.0 | 121 |
| EP074: Dibromochloromethane | 124-48-1 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 97.3 | 63.0 | 121 |
| EP074: Bromoform | 75-25-2 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 97.5 | 60.0 | 126 |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 6794253)** | | | | | | | | |
| EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 81.5 | 71.0 | 125 |
| EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 95.5 | 72.0 | 124 |
| EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 73.9 | 71.0 | 123 |
| EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | 12 mg/kg | 103 | 67.0 | 127 |
| EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 104 | 54.0 | 114 |
| EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 101 | 68.0 | 126 |
| EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 106 | 66.0 | 120 |
| EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 98.7 | 70.0 | 120 |
| EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 79.1 | 70.0 | 116 |
| EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.9 | 54.0 | 114 |
| EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.0 | 60.0 | 114 |
| EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | 12 mg/kg | 42.2 | 10.0 | 80.0 |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 6794269)** | | | | | | | | |
| EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.4 | 71.0 | 125 |
| EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 88.9 | 72.0 | 124 |
| EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.3 | 71.0 | 123 |
| EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | 12 mg/kg | 93.5 | 67.0 | 127 |
| EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 85.8 | 54.0 | 114 |
| EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.2 | 68.0 | 126 |
| EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 86.5 | 66.0 | 120 |
| EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.6 | 70.0 | 120 |
| EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 95.8 | 70.0 | 116 |
| EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 78.1 | 54.0 | 114 |
| EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 78.9 | 60.0 | 114 |
| EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | 12 mg/kg | 43.6 | 10.0 | 80.0 |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 6794274)** | | | | | | | | |
| EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.3 | 71.0 | 125 |
| EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.7 | 72.0 | 124 |
| EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 90.9 | 71.0 | 123 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 6794274) - continued** | | | | | | | | |
| EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | 12 mg/kg | 90.1 | 67.0 | 127 |
| EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 80.0 | 54.0 | 114 |
| EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.8 | 68.0 | 126 |
| EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 87.6 | 66.0 | 120 |
| EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.9 | 70.0 | 120 |
| EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.8 | 70.0 | 116 |
| EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 77.3 | 54.0 | 114 |
| EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 75.7 | 60.0 | 114 |
| EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | 12 mg/kg | 42.9 | 10.0 | 80.0 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794253)** | | | | | | | | |
| EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 83.0 | 77.0 | 125 |
| EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 85.0 | 72.0 | 124 |
| EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 90.2 | 73.0 | 127 |
| EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 96.2 | 72.0 | 126 |
| EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 97.5 | 75.0 | 127 |
| EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 97.7 | 77.0 | 127 |
| EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 88.2 | 73.0 | 127 |
| EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 100 | 74.0 | 128 |
| EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 104 | 69.0 | 123 |
| EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 80.6 | 75.0 | 127 |
| EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.1 | 68.0 | 116 |
| EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 82.4 | 74.0 | 126 |
| EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 97.1 | 70.0 | 126 |
| EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 76.4 | 61.0 | 121 |
| EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 83.9 | 62.0 | 118 |
| EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 104 | 63.0 | 121 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794269)** | | | | | | | | |
| EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.8 | 77.0 | 125 |
| EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 99.9 | 72.0 | 124 |
| EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 90.8 | 73.0 | 127 |
| EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.4 | 72.0 | 126 |
| EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.8 | 75.0 | 127 |
| EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.4 | 77.0 | 127 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794269) - continued** | | | | | | | | |
| EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.7 | 73.0 | 127 |
| EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.2 | 74.0 | 128 |
| EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.9 | 69.0 | 123 |
| EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.4 | 75.0 | 127 |
| EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.0 | 68.0 | 116 |
| EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 97.6 | 74.0 | 126 |
| EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 94.4 | 70.0 | 126 |
| EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 84.0 | 61.0 | 121 |
| EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 77.6 | 62.0 | 118 |
| EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 86.8 | 63.0 | 121 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794274)** | | | | | | | | |
| EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 90.2 | 77.0 | 125 |
| EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 94.0 | 72.0 | 124 |
| EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 88.3 | 73.0 | 127 |
| EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 88.2 | 72.0 | 126 |
| EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 88.7 | 75.0 | 127 |
| EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 89.3 | 77.0 | 127 |
| EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 90.7 | 73.0 | 127 |
| EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.1 | 74.0 | 128 |
| EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 95.9 | 69.0 | 123 |
| EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.3 | 75.0 | 127 |
| EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 96.5 | 68.0 | 116 |
| EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 97.6 | 74.0 | 126 |
| EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 90.0 | 70.0 | 126 |
| EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 89.7 | 61.0 | 121 |
| EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 82.5 | 62.0 | 118 |
| EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.4 | 63.0 | 121 |
| **EP075A: Phenolic Compounds (QCLot: 6794276)** | | | | | | | | |
| EP075: Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 98.0 | 64.0 | 114 |
| EP075: 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 95.3 | 57.0 | 115 |
| EP075: 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 98.1 | 55.0 | 117 |
| EP075: 3- & 4-Methylphenol | 1319-77-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 96.7 | 46.0 | 122 |
| EP075: 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 91.9 | 47.0 | 117 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP075A: Phenolic Compounds (QCLot: 6794276) - continued** | | | | | | | | |
| EP075: 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 100 | 13.7 | 108 |
| EP075: 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 92.4 | 47.0 | 105 |
| EP075: 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 93.5 | 48.0 | 110 |
| EP075: 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 98.4 | 57.0 | 113 |
| EP075: 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 88.3 | 49.0 | 109 |
| EP075: 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 85.7 | 49.0 | 107 |
| EP075: Pentachlorophenol | 87-86-5 | 1 | mg/kg | <1 | 3 mg/kg | 63.2 | 12.0 | 76.0 |
| **EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794276)** | | | | | | | | |
| EP075: Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 95.1 | 62.0 | 118 |
| EP075: 2-Methylnaphthalene | 91-57-6 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 95.0 | 58.0 | 116 |
| EP075: 2-Chloronaphthalene | 91-58-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 104 | 54.0 | 112 |
| EP075: Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 93.4 | 56.0 | 114 |
| EP075: Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 92.3 | 62.0 | 112 |
| EP075: Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 92.3 | 59.0 | 115 |
| EP075: Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 92.6 | 63.0 | 113 |
| EP075: Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 94.0 | 57.0 | 111 |
| EP075: Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 100 | 58.0 | 114 |
| EP075: Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 106 | 57.0 | 117 |
| EP075: N-2-Fluorenyl Acetamide | 53-96-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 107 | 58.0 | 114 |
| EP075: Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 104 | 59.0 | 115 |
| EP075: Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 108 | 61.0 | 117 |
| EP075: Benzo(b+j) & Benzo(k)fluoranthene | 205-99-2<br>207-08-9 | 1 | mg/kg | <1 | 3 mg/kg | 97.0 | 57.0 | 119 |
| EP075: 7.12-Dimethylbenz(a)anthracene | 57-97-6 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | # 108 | 48.1 | 106 |
| EP075: Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.2 | 56.0 | 116 |
| EP075: 3-Methylcholanthrene | 56-49-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 87.9 | 50.0 | 116 |
| EP075: Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 89.9 | 55.0 | 117 |
| EP075: Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 88.9 | 53.0 | 119 |
| EP075: Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 90.6 | 56.0 | 120 |
| **EP075C: Phthalate Esters (QCLot: 6794276)** | | | | | | | | |
| EP075: Dimethyl phthalate | 131-11-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 91.7 | 60.0 | 118 |
| EP075: Diethyl phthalate | 84-66-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 102 | 65.0 | 115 |
| EP075: Di-n-butyl phthalate | 84-74-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.1 | 65.0 | 121 |
| EP075: Butyl benzyl phthalate | 85-68-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 104 | 62.0 | 116 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP075C: Phthalate Esters (QCLot: 6794276) - continued** | | | | | | | | |
| EP075: bis(2-ethylhexyl) phthalate | 117-81-7 | ---- | mg/kg | ---- | 1.5 mg/kg | 89.2 | 69.0 | 133 |
| EP075: Di-n-octylphthalate | 117-84-0 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 87.0 | 62.0 | 124 |
| **EP075D: Nitrosamines (QCLot: 6794276)** | | | | | | | | |
| EP075: N-Nitrosomethylethylamine | 10595-95-6 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 94.2 | 39.4 | 124 |
| EP075: N-Nitrosodiethylamine | 55-18-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 95.1 | 59.0 | 117 |
| EP075: N-Nitrosopyrrolidine | 930-55-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 98.9 | 53.0 | 125 |
| EP075: N-Nitrosomorpholine | 59-89-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 102 | 65.0 | 121 |
| EP075: N-Nitrosodi-n-propylamine | 621-64-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 102 | 59.0 | 123 |
| EP075: N-Nitrosopiperidine | 100-75-4 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.6 | 57.0 | 115 |
| EP075: N-Nitrosodibutylamine | 924-16-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 99.8 | 57.0 | 119 |
| EP075: N-Nitrosodiphenyl & Diphenylamine | 86-30-6<br>122-39-4 | 0.5 | mg/kg | <0.6 | 3 mg/kg | 99.0 | 42.0 | 112 |
| EP075: Methapyrilene | 91-80-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 90.6 | 16.3 | 123 |
| **EP075E: Nitroaromatics and Ketones (QCLot: 6794276)** | | | | | | | | |
| EP075: 2-Picoline | 109-06-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 90.8 | 27.3 | 129 |
| EP075: Acetophenone | 98-86-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 96.4 | 60.0 | 116 |
| EP075: Nitrobenzene | 98-95-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 95.9 | 65.0 | 119 |
| EP075: Isophorone | 78-59-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 98.2 | 62.0 | 116 |
| EP075: 2.6-Dinitrotoluene | 606-20-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 87.3 | 58.0 | 118 |
| EP075: 2.4-Dinitrotoluene | 121-14-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.3 | 59.0 | 115 |
| EP075: 1-Naphthylamine | 134-32-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 46.7 | 18.0 | 112 |
| EP075: 4-Nitroquinoline-N-oxide | 56-57-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | # 110 | 10.0 | 87.0 |
| EP075: 5-Nitro-o-toluidine | 99-55-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 90.4 | 48.3 | 98.5 |
| EP075: Azobenzene | 103-33-3 | 1 | mg/kg | <1 | 1.5 mg/kg | 95.5 | 62.0 | 118 |
| EP075: 1.3.5-Trinitrobenzene | 99-35-4 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.5 | 36.0 | 114 |
| EP075: Phenacetin | 62-44-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | # 118 | 62.0 | 114 |
| EP075: 4-Aminobiphenyl | 92-67-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 74.3 | 36.1 | 102 |
| EP075: Pentachloronitrobenzene | 82-68-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 95.7 | 56.0 | 110 |
| EP075: Pronamide | 23950-58-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 96.8 | 54.0 | 110 |
| EP075: Dimethylaminoazobenzene | 60-11-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 99.7 | 48.0 | 108 |
| EP075: Chlorobenzilate | 510-15-6 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 95.0 | 57.4 | 112 |
| **EP075F: Haloethers (QCLot: 6794276)** | | | | | | | | |
| EP075: Bis(2-chloroethyl) ether | 111-44-4 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 89.6 | 63.0 | 121 |
| EP075: Bis(2-chloroethoxy) methane | 111-91-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 96.3 | 59.0 | 115 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP075F: Haloethers (QCLot: 6794276) - continued** | | | | | | | | |
| EP075: 4-Chlorophenyl phenyl ether | 7005-72-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 90.0 | 58.0 | 112 |
| EP075: 4-Bromophenyl phenyl ether | 101-55-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 88.5 | 58.0 | 110 |
| **EP075G: Chlorinated Hydrocarbons (QCLot: 6794276)** | | | | | | | | |
| EP075: 1.3-Dichlorobenzene | 541-73-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.7 | 58.0 | 112 |
| EP075: 1.4-Dichlorobenzene | 106-46-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 87.0 | 58.0 | 116 |
| EP075: 1.2-Dichlorobenzene | 95-50-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 93.6 | 57.0 | 115 |
| EP075: Hexachloroethane | 67-72-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 89.8 | 54.0 | 116 |
| EP075: 1.2.4-Trichlorobenzene | 120-82-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 91.7 | 62.9 | 108 |
| EP075: Hexachloropropylene | 1888-71-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 88.1 | 39.1 | 110 |
| EP075: Hexachlorobutadiene | 87-68-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 89.5 | 59.0 | 117 |
| EP075: Hexachlorocyclopentadiene | 77-47-4 | 2.5 | mg/kg | <2.5 | 1.5 mg/kg | 87.4 | 24.3 | 108 |
| EP075: Pentachlorobenzene | 608-93-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 84.5 | 57.0 | 109 |
| EP075: Hexachlorobenzene (HCB) | 118-74-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 86.0 | 59.0 | 111 |
| **EP075H: Anilines and Benzidines (QCLot: 6794276)** | | | | | | | | |
| EP075: Aniline | 62-53-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 87.4 | 13.2 | 108 |
| EP075: 4-Chloroaniline | 106-47-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 53.6 | 20.5 | 99.0 |
| EP075: 2-Nitroaniline | 88-74-4 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 87.5 | 52.0 | 112 |
| EP075: 3-Nitroaniline | 99-09-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 78.3 | 31.5 | 93.7 |
| EP075: Dibenzofuran | 132-64-9 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 92.4 | 60.0 | 110 |
| EP075: 4-Nitroaniline | 100-01-6 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | # 117 | 42.0 | 112 |
| EP075: Carbazole | 86-74-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 100 | 59.0 | 111 |
| EP075: 3.3`-Dichlorobenzidine | 91-94-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 107 | 23.1 | 113 |
| **EP075I: Organochlorine Pesticides (QCLot: 6794276)** | | | | | | | | |
| EP075: alpha-BHC | 319-84-6 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.9 | 63.0 | 113 |
| EP075: beta-BHC | 319-85-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 113 | 57.0 | 113 |
| EP075: gamma-BHC - (Lindane) | 58-89-9 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 106 | 61.0 | 117 |
| EP075: delta-BHC | 319-86-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 101 | 64.0 | 118 |
| EP075: Heptachlor | 76-44-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 83.8 | 55.0 | 115 |
| EP075: Aldrin | 309-00-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 91.0 | 61.0 | 115 |
| EP075: Heptachlor epoxide | 1024-57-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 93.9 | 56.0 | 118 |
| EP075: alpha-Endosulfan | 959-98-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 99.5 | 65.0 | 125 |
| EP075: 4.4`-DDE | 72-55-9 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 101 | 60.0 | 116 |
| EP075: Dieldrin | 60-57-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.4 | 64.0 | 118 |
| EP075: Endrin | 72-20-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.3 | 53.0 | 117 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP075I: Organochlorine Pesticides (QCLot: 6794276) - continued** | | | | | | | | |
| EP075: beta-Endosulfan | 33213-65-9 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 102 | 65.0 | 115 |
| EP075: 4.4`-DDD | 72-54-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 100 | 62.0 | 118 |
| EP075: Endosulfan sulfate | 1031-07-8 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 124 | 63.0 | 129 |
| EP075: 4.4`-DDT | 50-29-3 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 107 | 46.0 | 122 |
| **EP075J: Organophosphorus Pesticides (QCLot: 6794276)** | | | | | | | | |
| EP075: Dichlorvos | 62-73-7 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 91.3 | 46.0 | 112 |
| EP075: Dimethoate | 60-51-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 115 | 63.0 | 119 |
| EP075: Diazinon | 333-41-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 95.0 | 68.0 | 134 |
| EP075: Chlorpyrifos-methyl | 5598-13-0 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 90.0 | 60.0 | 130 |
| EP075: Malathion | 121-75-5 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 107 | 65.0 | 127 |
| EP075: Fenthion | 55-38-9 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 99.3 | 60.0 | 116 |
| EP075: Chlorpyrifos | 2921-88-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 97.6 | 63.0 | 113 |
| EP075: Pirimphos-ethyl | 23505-41-1 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 100 | 65.0 | 115 |
| EP075: Chlorfenvinphos | 470-90-6 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 87.2 | 59.0 | 103 |
| EP075: Prothiofos | 34643-46-4 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 101 | 59.0 | 119 |
| EP075: Ethion | 563-12-2 | 0.5 | mg/kg | <0.5 | 1.5 mg/kg | 102 | 62.0 | 118 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794210)** | | | | | | | | |
| EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | 26 mg/kg | 104 | 72.2 | 131 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794212)** | | | | | | | | |
| EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | 26 mg/kg | 90.9 | 72.2 | 131 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794223)** | | | | | | | | |
| EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | 26 mg/kg | 91.0 | 72.2 | 131 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794255)** | | | | | | | | |
| EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | 300 mg/kg | 101 | 75.0 | 129 |
| EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | 450 mg/kg | 93.5 | 77.0 | 131 |
| EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | 300 mg/kg | 91.2 | 71.0 | 129 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794270)** | | | | | | | | |
| EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | 300 mg/kg | 102 | 75.0 | 129 |
| EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | 450 mg/kg | 99.3 | 77.0 | 131 |
| EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | 300 mg/kg | 98.6 | 71.0 | 129 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794275)** | | | | | | | | |
| EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | 300 mg/kg | 94.3 | 75.0 | 129 |
| EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | 450 mg/kg | 97.2 | 77.0 | 131 |
| EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | 300 mg/kg | 103 | 71.0 | 129 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794557)** | | | | | | | | |
| EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | 26 mg/kg | 79.4 | 72.2 | 131 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794210)** | | | | | | | | |
| EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | 31 mg/kg | 99.6 | 72.4 | 133 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794212)** | | | | | | | | |
| EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | 31 mg/kg | 89.6 | 72.4 | 133 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794223)** | | | | | | | | |
| EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | 31 mg/kg | 82.8 | 72.4 | 133 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794255)** | | | | | | | | |
| EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | 375 mg/kg | 100 | 77.0 | 125 |
| EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | 525 mg/kg | 90.8 | 74.0 | 138 |
| EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | 225 mg/kg | 92.0 | 63.0 | 131 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794270)** | | | | | | | | |
| EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | 375 mg/kg | 102 | 77.0 | 125 |
| EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | 525 mg/kg | 97.8 | 74.0 | 138 |
| EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | 225 mg/kg | 101 | 63.0 | 131 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794275)** | | | | | | | | |
| EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | 375 mg/kg | 98.3 | 77.0 | 125 |
| EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | 525 mg/kg | 98.3 | 74.0 | 138 |
| EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | 225 mg/kg | 103 | 63.0 | 131 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794557)** | | | | | | | | |
| EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | 31 mg/kg | 79.4 | 72.4 | 133 |
| **EP080: BTEXN (QCLot: 6794210)** | | | | | | | | |
| EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | 1 mg/kg | 101 | 76.0 | 124 |
| EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 107 | 78.5 | 121 |
| EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 112 | 77.4 | 121 |
| EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | 2 mg/kg | 119 | 78.2 | 121 |
| EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 118 | 81.3 | 121 |
| EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | 1 mg/kg | 98.0 | 78.8 | 122 |
| **EP080: BTEXN (QCLot: 6794212)** | | | | | | | | |
| EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | 1 mg/kg | 88.3 | 76.0 | 124 |
| EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 92.0 | 78.5 | 121 |
| EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 90.7 | 77.4 | 121 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report: Result | Laboratory Control Spike (LCS) Report: Spike Concentration | Spike Recovery (%): LCS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|---|
| **EP080: BTEXN (QCLot: 6794212) - continued** | | | | | | | | |
| EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | 2 mg/kg | 97.3 | 78.2 | 121 |
| EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 101 | 81.3 | 121 |
| EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | 1 mg/kg | 82.6 | 78.8 | 122 |
| **EP080: BTEXN (QCLot: 6794223)** | | | | | | | | |
| EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | 1 mg/kg | 80.2 | 76.0 | 124 |
| EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 81.7 | 78.5 | 121 |
| EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 83.9 | 77.4 | 121 |
| EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | 2 mg/kg | 87.2 | 78.2 | 121 |
| EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 94.6 | 81.3 | 121 |
| EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | 1 mg/kg | 89.7 | 78.8 | 122 |
| **EP080: BTEXN (QCLot: 6794557)** | | | | | | | | |
| EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | 1 mg/kg | 84.4 | 76.0 | 124 |
| EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 85.5 | 78.5 | 121 |
| EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 91.3 | 77.4 | 121 |
| EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | 2 mg/kg | 91.0 | 78.2 | 121 |
| EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 94.7 | 81.3 | 121 |
| EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | 1 mg/kg | 87.0 | 78.8 | 122 |

Sub-Matrix: **WATER**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report: Result | Laboratory Control Spike (LCS) Report: Spike Concentration | Spike Recovery (%): LCS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|---|
| **EG020T: Total Metals by ICP-MS (QCLot: 6795900)** | | | | | | | | |
| EG020A-T: Arsenic | 7440-38-2 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 93.4 | 82.0 | 114 |
| EG020A-T: Cadmium | 7440-43-9 | 0.0001 | mg/L | <0.0001 | 0.1 mg/L | 88.2 | 84.0 | 112 |
| EG020A-T: Chromium | 7440-47-3 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 93.0 | 86.0 | 116 |
| EG020A-T: Copper | 7440-50-8 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 91.0 | 83.0 | 118 |
| EG020A-T: Lead | 7439-92-1 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 92.8 | 85.0 | 115 |
| EG020A-T: Nickel | 7440-02-0 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 90.4 | 84.0 | 116 |
| EG020A-T: Zinc | 7440-66-6 | 0.005 | mg/L | <0.005 | 0.1 mg/L | 96.2 | 79.0 | 117 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6795873)** | | | | | | | | |
| EG035T: Mercury | 7439-97-6 | 0.0001 | mg/L | <0.0001 | 0.01 mg/L | 99.3 | 77.0 | 111 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794021)** | | | | | | | | |
| EP080: C6 - C9 Fraction | ---- | 20 | µg/L | <20 | 260 µg/L | 84.1 | 75.0 | 127 |

Sub-Matrix: **WATER**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report: Result | Laboratory Control Spike (LCS) Report: Spike Concentration | LCS: Spike Recovery (%) | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|---|
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794653)** | | | | | | | | |
| EP071: C10 - C14 Fraction | ---- | 50 | µg/L | <50 | 400 µg/L | 73.0 | 53.7 | 97.0 |
| EP071: C15 - C28 Fraction | ---- | 100 | µg/L | <100 | 600 µg/L | 89.8 | 63.3 | 107 |
| EP071: C29 - C36 Fraction | ---- | 50 | µg/L | <50 | 400 µg/L | 92.2 | 58.3 | 120 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794021)** | | | | | | | | |
| EP080: C6 - C10 Fraction | C6_C10 | 20 | µg/L | <20 | 310 µg/L | 86.8 | 75.0 | 127 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794653)** | | | | | | | | |
| EP071: >C10 - C16 Fraction | ---- | 100 | µg/L | <100 | 500 µg/L | 74.9 | 53.9 | 95.5 |
| EP071: >C16 - C34 Fraction | ---- | 100 | µg/L | <100 | 700 µg/L | 94.6 | 57.8 | 110 |
| EP071: >C34 - C40 Fraction | ---- | 100 | µg/L | <100 | 300 µg/L | 86.6 | 50.5 | 115 |
| **EP080: BTEXN (QCLot: 6794021)** | | | | | | | | |
| EP080: Benzene | 71-43-2 | 1 | µg/L | <1 | 10 µg/L | 96.9 | 68.3 | 119 |
| EP080: Toluene | 108-88-3 | 2 | µg/L | <2 | 10 µg/L | 85.7 | 73.5 | 120 |
| EP080: Ethylbenzene | 100-41-4 | 2 | µg/L | <2 | 10 µg/L | 89.9 | 73.8 | 122 |
| EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2 | µg/L | <2 | 10 µg/L | 90.3 | 73.0 | 122 |
| EP080: ortho-Xylene | 95-47-6 | 2 | µg/L | <2 | 10 µg/L | 90.8 | 76.4 | 123 |
| EP080: Naphthalene | 91-20-3 | 5 | µg/L | <5 | 10 µg/L | 94.2 | 75.5 | 124 |

## Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Matrix Spike (MS) Report: Spike Concentration | SpikeRecovery(%): MS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794871)** | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EG005T: Arsenic | 7440-38-2 | 50 mg/kg | 94.3 | 70.0 | 130 |
| | | EG005T: Cadmium | 7440-43-9 | 50 mg/kg | 97.6 | 70.0 | 130 |
| | | EG005T: Chromium | 7440-47-3 | 50 mg/kg | 94.4 | 68.0 | 132 |
| | | EG005T: Copper | 7440-50-8 | 250 mg/kg | 98.9 | 70.0 | 130 |
| | | EG005T: Lead | 7439-92-1 | 250 mg/kg | 96.8 | 70.0 | 130 |
| | | EG005T: Nickel | 7440-02-0 | 50 mg/kg | 94.6 | 70.0 | 130 |
| | | EG005T: Zinc | 7440-66-6 | 250 mg/kg | 95.1 | 66.0 | 133 |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794873)** | | | | | | | |
| ES2525360-047 | A1/TP20-0.1 | EG005T: Arsenic | 7440-38-2 | 50 mg/kg | 94.2 | 70.0 | 130 |
| | | EG005T: Cadmium | 7440-43-9 | 50 mg/kg | 97.7 | 70.0 | 130 |

Sub-Matrix: **SOIL**

| | | | | Matrix Spike (MS) Report | | | |
|---|---|---|---|---|---|---|---|
| | | | | Spike | SpikeRecovery(%) | Acceptable Limits (%) | |
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Concentration | MS | Low | High |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794873) - continued** | | | | | | | |
| ES2525360-047 | A1/TP20-0.1 | EG005T: Chromium | 7440-47-3 | 50 mg/kg | 93.0 | 68.0 | 132 |
| | | EG005T: Copper | 7440-50-8 | 250 mg/kg | 98.0 | 70.0 | 130 |
| | | EG005T: Lead | 7439-92-1 | 250 mg/kg | 97.7 | 70.0 | 130 |
| | | EG005T: Nickel | 7440-02-0 | 50 mg/kg | 94.4 | 70.0 | 130 |
| | | EG005T: Zinc | 7440-66-6 | 250 mg/kg | 95.4 | 66.0 | 133 |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794944)** | | | | | | | |
| ES2525207-005 | Anonymous | EG005T: Arsenic | 7440-38-2 | 50 mg/kg | 97.4 | 70.0 | 130 |
| | | EG005T: Cadmium | 7440-43-9 | 50 mg/kg | 99.8 | 70.0 | 130 |
| | | EG005T: Chromium | 7440-47-3 | 50 mg/kg | 100 | 68.0 | 132 |
| | | EG005T: Copper | 7440-50-8 | 250 mg/kg | 102 | 70.0 | 130 |
| | | EG005T: Lead | 7439-92-1 | 250 mg/kg | 101 | 70.0 | 130 |
| | | EG005T: Nickel | 7440-02-0 | 50 mg/kg | 99.2 | 70.0 | 130 |
| | | EG005T: Zinc | 7440-66-6 | 250 mg/kg | 99.9 | 66.0 | 133 |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6794946)** | | | | | | | |
| ES2525360-086 | A2/TP11-0.6 | EG005T: Arsenic | 7440-38-2 | 50 mg/kg | 101 | 70.0 | 130 |
| | | EG005T: Cadmium | 7440-43-9 | 50 mg/kg | 100 | 70.0 | 130 |
| | | EG005T: Chromium | 7440-47-3 | 50 mg/kg | 102 | 68.0 | 132 |
| | | EG005T: Copper | 7440-50-8 | 250 mg/kg | 102 | 70.0 | 130 |
| | | EG005T: Lead | 7439-92-1 | 250 mg/kg | 101 | 70.0 | 130 |
| | | EG005T: Nickel | 7440-02-0 | 50 mg/kg | 102 | 70.0 | 130 |
| | | EG005T: Zinc | 7440-66-6 | 250 mg/kg | 98.9 | 66.0 | 133 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6794872)** | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EG035T: Mercury | 7439-97-6 | 5 mg/kg | 96.7 | 70.0 | 130 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6794874)** | | | | | | | |
| ES2525360-047 | A1/TP20-0.1 | EG035T: Mercury | 7439-97-6 | 5 mg/kg | 97.2 | 70.0 | 130 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6794943)** | | | | | | | |
| ES2525207-005 | Anonymous | EG035T: Mercury | 7439-97-6 | 5 mg/kg | 87.6 | 70.0 | 130 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6794945)** | | | | | | | |
| ES2525360-086 | A2/TP11-0.6 | EG035T: Mercury | 7439-97-6 | 5 mg/kg | 94.5 | 70.0 | 130 |
| **EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6794259)** | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP066: Total Polychlorinated biphenyls | ---- | 1 mg/kg | 111 | 70.0 | 130 |
| **EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6794271)** | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP066: Total Polychlorinated biphenyls | ---- | 1 mg/kg | 93.3 | 70.0 | 130 |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 6794258)** | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.5 mg/kg | 91.0 | 70.0 | 130 |
| | | EP068: Heptachlor | 76-44-8 | 0.5 mg/kg | 88.6 | 70.0 | 130 |

Sub-Matrix: **SOIL**

| | | | | Matrix Spike (MS) Report | | | |
|---|---|---|---|---|---|---|---|
| | | | | Spike | SpikeRecovery(%) | Acceptable Limits (%) | |
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Concentration | MS | Low | High |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 6794258) - continued** | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP068: Aldrin | 309-00-2 | 0.5 mg/kg | 86.9 | 70.0 | 130 |
| | | EP068: Dieldrin | 60-57-1 | 0.5 mg/kg | 87.6 | 70.0 | 130 |
| | | EP068: Endrin | 72-20-8 | 2 mg/kg | 87.8 | 70.0 | 130 |
| | | EP068: 4.4`-DDT | 50-29-3 | 2 mg/kg | 89.6 | 70.0 | 130 |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 6794268)** | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.5 mg/kg | 81.4 | 70.0 | 130 |
| | | EP068: Heptachlor | 76-44-8 | 0.5 mg/kg | 75.0 | 70.0 | 130 |
| | | EP068: Aldrin | 309-00-2 | 0.5 mg/kg | 77.4 | 70.0 | 130 |
| | | EP068: Dieldrin | 60-57-1 | 0.5 mg/kg | 80.0 | 70.0 | 130 |
| | | EP068: Endrin | 72-20-8 | 2 mg/kg | 75.6 | 70.0 | 130 |
| | | EP068: 4.4`-DDT | 50-29-3 | 2 mg/kg | 75.4 | 70.0 | 130 |
| **EP068B: Organophosphorus Pesticides (OP) (QCLot: 6794258)** | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP068: Diazinon | 333-41-5 | 0.5 mg/kg | 98.5 | 70.0 | 130 |
| | | EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.5 mg/kg | 91.1 | 70.0 | 130 |
| | | EP068: Pirimphos-ethyl | 23505-41-1 | 0.5 mg/kg | 96.4 | 70.0 | 130 |
| | | EP068: Bromophos-ethyl | 4824-78-6 | 0.5 mg/kg | 100 | 70.0 | 130 |
| | | EP068: Prothiofos | 34643-46-4 | 0.5 mg/kg | 83.7 | 70.0 | 130 |
| **EP068B: Organophosphorus Pesticides (OP) (QCLot: 6794268)** | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP068: Diazinon | 333-41-5 | 0.5 mg/kg | 92.1 | 70.0 | 130 |
| | | EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.5 mg/kg | 81.2 | 70.0 | 130 |
| | | EP068: Pirimphos-ethyl | 23505-41-1 | 0.5 mg/kg | 89.0 | 70.0 | 130 |
| | | EP068: Bromophos-ethyl | 4824-78-6 | 0.5 mg/kg | 89.6 | 70.0 | 130 |
| | | EP068: Prothiofos | 34643-46-4 | 0.5 mg/kg | 76.3 | 70.0 | 130 |
| **EP074E: Halogenated Aliphatic Compounds (QCLot: 6794211)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: 1.1-Dichloroethene | 75-35-4 | 2.5 mg/kg | 71.5 | 70.0 | 130 |
| | | EP074: Trichloroethene | 79-01-6 | 2.5 mg/kg | 75.0 | 70.0 | 130 |
| **EP074F: Halogenated Aromatic Compounds (QCLot: 6794211)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP074: Chlorobenzene | 108-90-7 | 2.5 mg/kg | 79.8 | 70.0 | 130 |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 6794253)** | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP075(SIM): Phenol | 108-95-2 | 10 mg/kg | 78.6 | 70.0 | 130 |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 10 mg/kg | 93.6 | 70.0 | 130 |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 10 mg/kg | 102 | 60.0 | 130 |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 10 mg/kg | 95.3 | 70.0 | 130 |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 10 mg/kg | 102 | 20.0 | 130 |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 6794269)** | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP075(SIM): Phenol | 108-95-2 | 10 mg/kg | 97.8 | 70.0 | 130 |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 10 mg/kg | 96.8 | 70.0 | 130 |

Sub-Matrix: **SOIL**

| | | | | Matrix Spike (MS) Report | | | |
|---|---|---|---|---|---|---|---|
| | | | | Spike | SpikeRecovery(%) | Acceptable Limits (%) | |
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Concentration | MS | Low | High |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 6794269) - continued** | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP075(SIM): 2-Nitrophenol | 88-75-5 | 10 mg/kg | 80.0 | 60.0 | 130 |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 10 mg/kg | 86.8 | 70.0 | 130 |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 10 mg/kg | 69.2 | 20.0 | 130 |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 6794274)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075(SIM): Phenol | 108-95-2 | 10 mg/kg | 93.9 | 70.0 | 130 |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 10 mg/kg | 96.3 | 70.0 | 130 |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 10 mg/kg | 90.4 | 60.0 | 130 |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 10 mg/kg | 86.4 | 70.0 | 130 |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 10 mg/kg | 78.3 | 20.0 | 130 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794253)** | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP075(SIM): Acenaphthene | 83-32-9 | 10 mg/kg | 107 | 70.0 | 130 |
| | | EP075(SIM): Pyrene | 129-00-0 | 10 mg/kg | 96.6 | 70.0 | 130 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794269)** | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP075(SIM): Acenaphthene | 83-32-9 | 10 mg/kg | 81.0 | 70.0 | 130 |
| | | EP075(SIM): Pyrene | 129-00-0 | 10 mg/kg | 88.6 | 70.0 | 130 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794274)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075(SIM): Acenaphthene | 83-32-9 | 10 mg/kg | 82.6 | 70.0 | 130 |
| | | EP075(SIM): Pyrene | 129-00-0 | 10 mg/kg | 87.7 | 70.0 | 130 |
| **EP075A: Phenolic Compounds (QCLot: 6794276)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Phenol | 108-95-2 | 10 mg/kg | 84.7 | 60.0 | 130 |
| | | EP075: 2-Chlorophenol | 95-57-8 | 10 mg/kg | 78.0 | 60.0 | 130 |
| | | EP075: 2-Nitrophenol | 88-75-5 | 10 mg/kg | 106 | 50.0 | 130 |
| | | EP075: 4-Chloro-3-methylphenol | 59-50-7 | 10 mg/kg | 86.1 | 50.0 | 130 |
| | | EP075: Pentachlorophenol | 87-86-5 | 10 mg/kg | 77.5 | 10.0 | 130 |
| **EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6794276)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: Acenaphthene | 83-32-9 | 10 mg/kg | 83.7 | 50.0 | 130 |
| | | EP075: Pyrene | 129-00-0 | 10 mg/kg | 89.5 | 50.0 | 130 |
| **EP075D: Nitrosamines (QCLot: 6794276)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: N-Nitrosodi-n-propylamine | 621-64-7 | 10 mg/kg | 103 | 50.0 | 130 |
| **EP075E: Nitroaromatics and Ketones (QCLot: 6794276)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: 2.4-Dinitrotoluene | 121-14-2 | 10 mg/kg | 89.8 | 40.0 | 130 |
| **EP075G: Chlorinated Hydrocarbons (QCLot: 6794276)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP075: 1.4-Dichlorobenzene | 106-46-7 | 10 mg/kg | 94.8 | 60.0 | 130 |
| | | EP075: 1.2.4-Trichlorobenzene | 120-82-1 | 10 mg/kg | 92.3 | 50.0 | 130 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794210)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | | | | | | |

Sub-Matrix: **SOIL**

| | | | | Matrix Spike (MS) Report | | | |
|---|---|---|---|---|---|---|---|
| | | | | Spike | SpikeRecovery(%) | Acceptable Limits (%) | |
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Concentration | MS | Low | High |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794210) - continued** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP080: C6 - C9 Fraction | ---- | 32.5 mg/kg | 106 | 60.4 | 142 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794212)** | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EP080: C6 - C9 Fraction | ---- | 32.5 mg/kg | 70.1 | 60.4 | 142 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794223)** | | | | | | | |
| ES2525360-052 | A1/TP22-0.2 | EP080: C6 - C9 Fraction | ---- | 32.5 mg/kg | 90.8 | 60.4 | 142 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794255)** | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP071: C10 - C14 Fraction | ---- | 480 mg/kg | 127 | 73.0 | 137 |
| | | EP071: C15 - C28 Fraction | ---- | 3100 mg/kg | 102 | 53.0 | 131 |
| | | EP071: C29 - C36 Fraction | ---- | 2060 mg/kg | 100 | 52.0 | 132 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794270)** | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP071: C10 - C14 Fraction | ---- | 480 mg/kg | 110 | 73.0 | 137 |
| | | EP071: C15 - C28 Fraction | ---- | 3100 mg/kg | 99.8 | 53.0 | 131 |
| | | EP071: C29 - C36 Fraction | ---- | 2060 mg/kg | 105 | 52.0 | 132 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794275)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP071: C10 - C14 Fraction | ---- | 480 mg/kg | 118 | 73.0 | 137 |
| | | EP071: C15 - C28 Fraction | ---- | 3100 mg/kg | 102 | 53.0 | 131 |
| | | EP071: C29 - C36 Fraction | ---- | 2060 mg/kg | 110 | 52.0 | 132 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794557)** | | | | | | | |
| ES2525401-001 | Anonymous | EP080: C6 - C9 Fraction | ---- | 32.5 mg/kg | 71.3 | 60.4 | 142 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794210)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP080: C6 - C10 Fraction | C6_C10 | 37.5 mg/kg | 104 | 61.1 | 142 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794212)** | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EP080: C6 - C10 Fraction | C6_C10 | 37.5 mg/kg | 69.0 | 61.1 | 142 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794223)** | | | | | | | |
| ES2525360-052 | A1/TP22-0.2 | EP080: C6 - C10 Fraction | C6_C10 | 37.5 mg/kg | 84.8 | 61.1 | 142 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794255)** | | | | | | | |
| ES2525360-003 | A1/TP2-0.2 | EP071: >C10 - C16 Fraction | ---- | 860 mg/kg | 105 | 73.0 | 137 |
| | | EP071: >C16 - C34 Fraction | ---- | 4320 mg/kg | 104 | 53.0 | 131 |
| | | EP071: >C34 - C40 Fraction | ---- | 890 mg/kg | 85.1 | 52.0 | 132 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794270)** | | | | | | | |
| ES2525360-063 | A2/TP1-0.2 | EP071: >C10 - C16 Fraction | ---- | 860 mg/kg | 96.1 | 73.0 | 137 |
| | | EP071: >C16 - C34 Fraction | ---- | 4320 mg/kg | 102 | 53.0 | 131 |
| | | EP071: >C34 - C40 Fraction | ---- | 890 mg/kg | 108 | 52.0 | 132 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794275)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP071: >C10 - C16 Fraction | ---- | 860 mg/kg | 108 | 73.0 | 137 |

Sub-Matrix: **SOIL**

| | | | | Matrix Spike (MS) Report | | | |
|---|---|---|---|---|---|---|---|
| | | | | Spike | SpikeRecovery(%) | Acceptable Limits (%) | |
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Concentration | MS | Low | High |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794275) - continued** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP071: >C16 - C34 Fraction | ---- | 4320 mg/kg | 105 | 53.0 | 131 |
| | | EP071: >C34 - C40 Fraction | ---- | 890 mg/kg | 106 | 52.0 | 132 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794557)** | | | | | | | |
| ES2525401-001 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 37.5 mg/kg | 66.9 | 61.1 | 142 |
| **EP080: BTEXN (QCLot: 6794210)** | | | | | | | |
| ES2525360-035 | A1/TP15-0.4 | EP080: Benzene | 71-43-2 | 2.5 mg/kg | 102 | 62.1 | 122 |
| | | EP080: Toluene | 108-88-3 | 2.5 mg/kg | 114 | 66.6 | 119 |
| | | EP080: Ethylbenzene | 100-41-4 | 2.5 mg/kg | 106 | 67.4 | 123 |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2.5 mg/kg | 105 | 66.4 | 121 |
| | | EP080: ortho-Xylene | 95-47-6 | 2.5 mg/kg | 108 | 70.7 | 121 |
| | | EP080: Naphthalene | 91-20-3 | 2.5 mg/kg | 108 | 61.1 | 115 |
| **EP080: BTEXN (QCLot: 6794212)** | | | | | | | |
| ES2525360-001 | A1/TP1-0.2 | EP080: Benzene | 71-43-2 | 2.5 mg/kg | 70.2 | 62.1 | 122 |
| | | EP080: Toluene | 108-88-3 | 2.5 mg/kg | 71.2 | 66.6 | 119 |
| | | EP080: Ethylbenzene | 100-41-4 | 2.5 mg/kg | 76.6 | 67.4 | 123 |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2.5 mg/kg | 74.8 | 66.4 | 121 |
| | | EP080: ortho-Xylene | 95-47-6 | 2.5 mg/kg | 75.7 | 70.7 | 121 |
| | | EP080: Naphthalene | 91-20-3 | 2.5 mg/kg | 74.0 | 61.1 | 115 |
| **EP080: BTEXN (QCLot: 6794223)** | | | | | | | |
| ES2525360-052 | A1/TP22-0.2 | EP080: Benzene | 71-43-2 | 2.5 mg/kg | 77.6 | 62.1 | 122 |
| | | EP080: Toluene | 108-88-3 | 2.5 mg/kg | 78.4 | 66.6 | 119 |
| | | EP080: Ethylbenzene | 100-41-4 | 2.5 mg/kg | 80.5 | 67.4 | 123 |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2.5 mg/kg | 86.2 | 66.4 | 121 |
| | | EP080: ortho-Xylene | 95-47-6 | 2.5 mg/kg | 88.3 | 70.7 | 121 |
| | | EP080: Naphthalene | 91-20-3 | 2.5 mg/kg | 79.5 | 61.1 | 115 |
| **EP080: BTEXN (QCLot: 6794557)** | | | | | | | |
| ES2525401-001 | Anonymous | EP080: Benzene | 71-43-2 | 2.5 mg/kg | 74.5 | 62.1 | 122 |
| | | EP080: Toluene | 108-88-3 | 2.5 mg/kg | 72.1 | 66.6 | 119 |
| | | EP080: Ethylbenzene | 100-41-4 | 2.5 mg/kg | 78.0 | 67.4 | 123 |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2.5 mg/kg | 76.7 | 66.4 | 121 |
| | | EP080: ortho-Xylene | 95-47-6 | 2.5 mg/kg | 78.1 | 70.7 | 121 |
| | | EP080: Naphthalene | 91-20-3 | 2.5 mg/kg | 76.0 | 61.1 | 115 |

Sub-Matrix: **WATER**

| | | | | Matrix Spike (MS) Report |
|---|---|---|---|---|

Sub-Matrix: **WATER**

| | | | | Matrix Spike (MS) Report | | | |
|---|---|---|---|---|---|---|---|
| | | | | Spike | SpikeRecovery(%) | Acceptable Limits (%) | |
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *Concentration* | *MS* | *Low* | *High* |
| **EG020T: Total Metals by ICP-MS (QCLot: 6795900)** | | | | | | | |
| ES2525356-004 | Anonymous | EG020A-T: Arsenic | 7440-38-2 | 1 mg/L | 87.0 | 70.0 | 130 |
| | | EG020A-T: Cadmium | 7440-43-9 | 0.25 mg/L | 85.3 | 70.0 | 130 |
| | | EG020A-T: Chromium | 7440-47-3 | 1 mg/L | 90.7 | 70.0 | 130 |
| | | EG020A-T: Copper | 7440-50-8 | 1 mg/L | 86.6 | 70.0 | 130 |
| | | EG020A-T: Lead | 7439-92-1 | 1 mg/L | 100 | 70.0 | 130 |
| | | EG020A-T: Nickel | 7440-02-0 | 1 mg/L | 85.8 | 70.0 | 130 |
| | | EG020A-T: Zinc | 7440-66-6 | 1 mg/L | 86.6 | 70.0 | 130 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 6795873)** | | | | | | | |
| ES2525356-009 | Anonymous | EG035T: Mercury | 7439-97-6 | 0.01 mg/L | 88.9 | 70.0 | 130 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 6794021)** | | | | | | | |
| ES2525217-001 | Anonymous | EP080: C6 - C9 Fraction | ---- | 325 µg/L | 103 | 70.0 | 130 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6794021)** | | | | | | | |
| ES2525217-001 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 375 µg/L | 105 | 70.0 | 130 |
| **EP080: BTEXN (QCLot: 6794021)** | | | | | | | |
| ES2525217-001 | Anonymous | EP080: Benzene | 71-43-2 | 25 µg/L | 97.4 | 70.0 | 130 |
| | | EP080: Toluene | 108-88-3 | 25 µg/L | 99.3 | 70.0 | 130 |
| | | EP080: Ethylbenzene | 100-41-4 | 25 µg/L | 107 | 70.0 | 130 |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 25 µg/L | 107 | 70.0 | 130 |
| | | EP080: ortho-Xylene | 95-47-6 | 25 µg/L | 107 | 70.0 | 130 |
| | | EP080: Naphthalene | 91-20-3 | 25 µg/L | 111 | 70.0 | 130 |

# QA/QC Compliance Assessment to assist with Quality Review

| | | | |
|---|---|---|---|
| **Work Order** | : **ES2525360** | Page | : 1 of 20 |
| Client | : **ENVIRONMENT & NATURAL RESOURCE SOLUTIONS** | Laboratory | : Environmental Division Sydney |
| Contact | : LAB ENRS | Telephone | : +61-2-8784 8555 |
| Project | : ENRS3413 | Date Samples Received | : 15-Aug-2025 |
| Site | : Air Liquide CO2 Plant DSI | Issue Date | : 21-Aug-2025 |
| Sampler | : CA | No. of samples received | : 93 |
| Order number | : ---- | No. of samples analysed | : 51 |

**This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.**

Brief method summaries and references are also provided to assist in traceability.

## *Summary of Outliers*

### *Outliers : Quality Control Samples*

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Matrix Spike outliers occur.**
- **Laboratory Control outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

### *Outliers : Analysis Holding Time Compliance*

- **Analysis Holding Time Outliers exist - please see following pages for full details.**

### *Outliers : Frequency of Quality Control Samples*

- **Quality Control Sample Frequency Outliers exist - please see following pages for full details.**

## Outliers : Quality Control Samples

*Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes*

Matrix: **SOIL**

| Compound Group Name | Laboratory Sample ID | Client Sample ID | Analyte | CAS Number | Data | Limits | Comment |
|---|---|---|---|---|---|---|---|
| **Laboratory Control Spike (LCS) Recoveries** | | | | | | | |
| EP075B: Polynuclear Aromatic Hydrocarbons | QC-6794276-002 | ---- | **7.12-Dimethylbenz(a)anthracene** | 57-97-6 | 108 % | 48.1-106% | **Recovery greater than upper control limit** |
| EP075E: Nitroaromatics and Ketones | QC-6794276-002 | ---- | **4-Nitroquinoline-N-oxide** | 56-57-5 | 110 % | 10.0-87.0% | **Recovery greater than upper control limit** |
| EP075E: Nitroaromatics and Ketones | QC-6794276-002 | ---- | **Phenacetin** | 62-44-2 | 118 % | 62.0-114% | **Recovery greater than upper control limit** |
| EP075H: Anilines and Benzidines | QC-6794276-002 | ---- | **4-Nitroaniline** | 100-01-6 | 117 % | 42.0-112% | **Recovery greater than upper control limit** |

## Outliers : Analysis Holding Time Compliance

Matrix: **SOIL**

| Method | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|
| **Container** / Client Sample ID(s) | Date extracted | Due for extraction | **Days overdue** | Date analysed | Due for analysis | **Days overdue** |
| **EA002: pH 1:5 (Soils)** | | | | | | |
| **Soil Glass Jar - Unpreserved** | | | | | | |
| A2/TP11-0.6 | ---- | ---- | ---- | 19-Aug-2025 | 18-Aug-2025 | **1** |

## Outliers : Frequency of Quality Control Samples

Matrix: **WATER**

| Quality Control Sample Type | | Count | | Rate (%) | | Quality Control Specification |
|---|---|---|---|---|---|---|
| Analytical Methods | Method | QC | Regular | Actual | Expected | |
| Laboratory Duplicates (DUP) | | | | | | |
| TRH - Semivolatile Fraction | EP071 | 0 | 2 | 0.00 | 10.00 | NEPM 2013 B3 & ALS QC Standard |
| Matrix Spikes (MS) | | | | | | |
| TRH - Semivolatile Fraction | EP071 | 0 | 2 | 0.00 | 5.00 | NEPM 2013 B3 & ALS QC Standard |

# Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| **Container** / Client Sample ID(s) | | **Date extracted** | Due for extraction | Evaluation | **Date analysed** | Due for analysis | Evaluation |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EA002: pH 1:5 (Soils)** | | | | | | | | |
| **Soil Glass Jar - Unpreserved (EA002)** | | | | | | | | |
| A2/TP11-0.6 | | **14-Aug-2025** | **18-Aug-2025** | 21-Aug-2025 | ✓ | **19-Aug-2025** | 18-Aug-2025 | × |
| **Soil Glass Jar - Unpreserved (EA002)** | | | | | | | | |
| A2/TP1-0.6, | A2/TP4-0.6 | **14-Aug-2025** | **19-Aug-2025** | 21-Aug-2025 | ✓ | **19-Aug-2025** | 19-Aug-2025 | ✓ |
| **EA010: Conductivity (1:5)** | | | | | | | | |
| **Soil Glass Jar - Unpreserved (EA010)** | | | | | | | | |
| A2/TP11-0.6 | | **14-Aug-2025** | **18-Aug-2025** | 21-Aug-2025 | ✓ | **19-Aug-2025** | 15-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EA010)** | | | | | | | | |
| A2/TP1-0.6, | A2/TP4-0.6 | **14-Aug-2025** | **19-Aug-2025** | 21-Aug-2025 | ✓ | **19-Aug-2025** | 16-Sep-2025 | ✓ |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| **Soil Glass Jar - Unpreserved (EA055)** | | | | | | | | |
| A1/TP1-0.2, | A1/TP2-0.2, | **13-Aug-2025** | **----** | ---- | ---- | **18-Aug-2025** | 27-Aug-2025 | ✓ |
| A1/TP3-0.2, | A1/TP4-0.1, | | | | | | | |
| A1/TP5-0.1, | A1/TP6-0.2, | | | | | | | |
| A1/TP7-0.2, | A1/TP8-0.2, | | | | | | | |
| A1/TP9-0.1, | A1/TP10-0.1, | | | | | | | |
| A1/TP11-0.2, | A1/TP12-0.2, | | | | | | | |
| A1/TP13-0.2, | A1/TP14-0.1, | | | | | | | |
| A1/TP15-0.1, | A1/TP15-0.4, | | | | | | | |
| A1/TP16-0.2, | A1/TP17-0.2, | | | | | | | |
| A1/TP18-0.2, | A1/TP19-0.1, | | | | | | | |
| A1/TP20-0.1, | A1/TP20-0.4, | | | | | | | |
| A1/TP21-0.2, | A1/TP22-0.2, | | | | | | | |
| A1/TP23-0.2, | A1/TP24-0.1, | | | | | | | |
| A1/TP25-0.1, | A1/TP25-0.4, | | | | | | | |
| DUP 1, | DUP 2 | | | | | | | |
| **Soil Glass Jar - Unpreserved (EA055)** | | | | | | | | |
| A2/TP1-0.2, | A2/TP1-0.6, | **14-Aug-2025** | **----** | ---- | ---- | **18-Aug-2025** | 28-Aug-2025 | ✓ |
| A2/TP2-0.2, | A2/TP3-0.1, | | | | | | | |
| A2/TP3-0.3, | A2/TP4-0.2, | | | | | | | |
| A2/TP4-0.6, | A2/TP5-0.2, | | | | | | | |
| A2/TP6-0.2, | A2/TP7-0.2, | | | | | | | |
| A2/TP8-0.2, | A2/TP9-0.1, | | | | | | | |
| A2/TP9-0.3, | A2/TP10-0.2, | | | | | | | |
| A2/TP11-0.2, | A2/TP11-0.6, | | | | | | | |
| DUP 3 | | | | | | | | |
| **ED007: Exchangeable Cations** | | | | | | | | |
| **Soil Glass Jar - Unpreserved (ED007)** | | | | | | | | |
| A2/TP1-0.6, | A2/TP4-0.6, | **14-Aug-2025** | **21-Aug-2025** | 11-Sep-2025 | ✓ | **21-Aug-2025** | 11-Sep-2025 | ✓ |
| A2/TP11-0.6 | | | | | | | | |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | | |
| **Soil Glass Jar - Unpreserved (EG005T)** | | | | | | | | |
| A1/TP1-0.2, | A1/TP2-0.2, | **13-Aug-2025** | **18-Aug-2025** | 09-Feb-2026 | ✓ | **19-Aug-2025** | 09-Feb-2026 | ✓ |
| A1/TP3-0.2, | A1/TP4-0.1, | | | | | | | |
| A1/TP5-0.1, | A1/TP6-0.2, | | | | | | | |
| A1/TP7-0.2, | A1/TP8-0.2, | | | | | | | |
| A1/TP9-0.1, | A1/TP10-0.1, | | | | | | | |
| A1/TP11-0.2, | A1/TP12-0.2, | | | | | | | |
| A1/TP13-0.2, | A1/TP14-0.1, | | | | | | | |
| A1/TP15-0.1, | A1/TP15-0.4, | | | | | | | |
| A1/TP16-0.2, | A1/TP17-0.2, | | | | | | | |
| A1/TP18-0.2, | A1/TP19-0.1, | | | | | | | |
| A1/TP20-0.1, | A1/TP20-0.4, | | | | | | | |
| A1/TP21-0.2, | A1/TP22-0.2, | | | | | | | |
| A1/TP23-0.2, | A1/TP24-0.1, | | | | | | | |
| A1/TP25-0.1, | A1/TP25-0.4, | | | | | | | |
| DUP 1, | DUP 2 | | | | | | | |
| **Soil Glass Jar - Unpreserved (EG005T)** | | | | | | | | |
| A2/TP1-0.2, | A2/TP1-0.6, | **14-Aug-2025** | **18-Aug-2025** | 10-Feb-2026 | ✓ | **19-Aug-2025** | 10-Feb-2026 | ✓ |
| A2/TP2-0.2, | A2/TP3-0.1, | | | | | | | |
| A2/TP3-0.3, | A2/TP4-0.2, | | | | | | | |
| A2/TP4-0.6, | A2/TP5-0.2, | | | | | | | |
| A2/TP6-0.2, | A2/TP7-0.2, | | | | | | | |
| A2/TP8-0.2, | A2/TP9-0.1, | | | | | | | |
| A2/TP9-0.3, | A2/TP10-0.2, | | | | | | | |
| A2/TP11-0.2, | A2/TP11-0.6, | | | | | | | |
| DUP 3 | | | | | | | | |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | | |
| **Soil Glass Jar - Unpreserved (EG035T)** | | | | | | | | |
| A1/TP1-0.2, | A1/TP2-0.2, | **13-Aug-2025** | **18-Aug-2025** | 10-Sep-2025 | ✓ | **20-Aug-2025** | 10-Sep-2025 | ✓ |
| A1/TP3-0.2, | A1/TP4-0.1, | | | | | | | |
| A1/TP5-0.1, | A1/TP6-0.2, | | | | | | | |
| A1/TP7-0.2, | A1/TP8-0.2, | | | | | | | |
| A1/TP9-0.1, | A1/TP10-0.1, | | | | | | | |
| A1/TP11-0.2, | A1/TP12-0.2, | | | | | | | |
| A1/TP13-0.2, | A1/TP14-0.1, | | | | | | | |
| A1/TP15-0.1, | A1/TP15-0.4, | | | | | | | |
| A1/TP16-0.2, | A1/TP17-0.2, | | | | | | | |
| A1/TP18-0.2, | A1/TP19-0.1, | | | | | | | |
| A1/TP20-0.1, | A1/TP20-0.4, | | | | | | | |
| A1/TP21-0.2, | A1/TP22-0.2, | | | | | | | |
| A1/TP23-0.2, | A1/TP24-0.1, | | | | | | | |
| A1/TP25-0.1, | A1/TP25-0.4, | | | | | | | |
| DUP 1, | DUP 2 | | | | | | | |
| **Soil Glass Jar - Unpreserved (EG035T)** | | | | | | | | |
| A2/TP1-0.2, | A2/TP1-0.6, | **14-Aug-2025** | **18-Aug-2025** | 11-Sep-2025 | ✓ | **20-Aug-2025** | 11-Sep-2025 | ✓ |
| A2/TP2-0.2, | A2/TP3-0.1, | | | | | | | |
| A2/TP3-0.3, | A2/TP4-0.2, | | | | | | | |
| A2/TP4-0.6, | A2/TP5-0.2, | | | | | | | |
| A2/TP6-0.2, | A2/TP7-0.2, | | | | | | | |
| A2/TP8-0.2, | A2/TP9-0.1, | | | | | | | |
| A2/TP9-0.3, | A2/TP10-0.2, | | | | | | | |
| A2/TP11-0.2, | A2/TP11-0.6, | | | | | | | |
| DUP 3 | | | | | | | | |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP066)** | | | | | | | | |
| A1/TP2-0.2, | A1/TP4-0.1, | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| A1/TP5-0.1, | A1/TP6-0.2, | | | | | | | |
| A1/TP8-0.2, | A1/TP9-0.1, | | | | | | | |
| A1/TP12-0.2, | A1/TP15-0.1, | | | | | | | |
| A1/TP16-0.2, | A1/TP18-0.2, | | | | | | | |
| A1/TP20-0.1, | A1/TP22-0.2, | | | | | | | |
| A1/TP25-0.1 | | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP066)** | | | | | | | | |
| A2/TP1-0.2, | A2/TP3-0.1, | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |
| A2/TP4-0.2, | A2/TP6-0.2, | | | | | | | |
| A2/TP8-0.2, | A2/TP9-0.1, | | | | | | | |
| A2/TP10-0.2 | | | | | | | | |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP068)**<br>A1/TP2-0.2, A1/TP4-0.1, A1/TP5-0.1, A1/TP6-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP12-0.2, A1/TP15-0.1, A1/TP16-0.2, A1/TP18-0.2, A1/TP20-0.1, A1/TP22-0.2, A1/TP25-0.1 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP068)**<br>A2/TP1-0.2, A2/TP3-0.1 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP068)**<br>A2/TP4-0.2, A2/TP6-0.2, A2/TP8-0.2, A2/TP9-0.1, A2/TP10-0.2 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP068)**<br>A1/TP2-0.2, A1/TP4-0.1, A1/TP5-0.1, A1/TP6-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP12-0.2, A1/TP15-0.1, A1/TP16-0.2, A1/TP18-0.2, A1/TP20-0.1, A1/TP22-0.2, A1/TP25-0.1 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP068)**<br>A2/TP1-0.2, A2/TP3-0.1 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP068)**<br>A2/TP4-0.2, A2/TP6-0.2, A2/TP8-0.2, A2/TP9-0.1, A2/TP10-0.2 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP074A: Monocyclic Aromatic Hydrocarbons** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP074)**<br>A1/TP15-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **18-Aug-2025** | 20-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP074)**<br>A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **19-Aug-2025** | 20-Aug-2025 | ✓ |
| **EP074B: Oxygenated Compounds** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP074)**<br>A1/TP15-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **18-Aug-2025** | 20-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP074)**<br>A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **19-Aug-2025** | 20-Aug-2025 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP074C: Sulfonated Compounds** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP15-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **18-Aug-2025** | 20-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **19-Aug-2025** | 20-Aug-2025 | ✓ |
| **EP074D: Fumigants** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP15-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **18-Aug-2025** | 20-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **19-Aug-2025** | 20-Aug-2025 | ✓ |
| **EP074E: Halogenated Aliphatic Compounds** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP15-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **18-Aug-2025** | 20-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **19-Aug-2025** | 20-Aug-2025 | ✓ |
| **EP074F: Halogenated Aromatic Compounds** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP15-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **18-Aug-2025** | 20-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **19-Aug-2025** | 20-Aug-2025 | ✓ |
| **EP074G: Trihalomethanes** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP15-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **18-Aug-2025** | 20-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP074)** A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 20-Aug-2025 | ✓ | **19-Aug-2025** | 20-Aug-2025 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| A1/TP2-0.2, A1/TP4-0.1, A1/TP5-0.1, A1/TP6-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP12-0.2, A1/TP15-0.1, A1/TP16-0.2, A1/TP18-0.2, A1/TP20-0.1, A1/TP22-0.2, A1/TP25-0.1 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| A2/TP1-0.2, A2/TP3-0.1, A2/TP4-0.2 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| A2/TP6-0.2, A2/TP8-0.2, A2/TP9-0.1, A2/TP10-0.2 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| A1/TP1-0.2, A1/TP15-0.4, A1/TP17-0.2, A1/TP19-0.1, A1/TP20-0.4, A1/TP21-0.2, A1/TP23-0.2, A1/TP24-0.1, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| A1/TP2-0.2, A1/TP3-0.2, A1/TP4-0.1, A1/TP5-0.1, A1/TP6-0.2, A1/TP7-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP10-0.1, A1/TP11-0.2, A1/TP12-0.2, A1/TP13-0.2, A1/TP14-0.1, A1/TP15-0.1, A1/TP16-0.2, A1/TP18-0.2, A1/TP20-0.1, A1/TP22-0.2, A1/TP25-0.1, DUP 1, DUP 2 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| A2/TP1-0.2, A2/TP1-0.6, A2/TP2-0.2, A2/TP3-0.1, A2/TP3-0.3, A2/TP4-0.2 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| A2/TP4-0.6, A2/TP5-0.2, A2/TP6-0.2, A2/TP7-0.2, A2/TP8-0.2, A2/TP9-0.1, A2/TP9-0.3, A2/TP10-0.2, A2/TP11-0.2, A2/TP11-0.6, DUP 3 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075A: Phenolic Compounds** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075B: Polynuclear Aromatic Hydrocarbons** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075C: Phthalate Esters** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP075D: Nitrosamines** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075E: Nitroaromatics and Ketones** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075F: Haloethers** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075G: Chlorinated Hydrocarbons** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075H: Anilines and Benzidines** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075I: Organochlorine Pesticides** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **EP075J: Organophosphorus Pesticides** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, A1/TP20-0.4, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| Soil Blank | **11-Aug-2025** | **18-Aug-2025** | 25-Aug-2025 | ✓ | **18-Aug-2025** | 25-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, DUP 1, DUP 2 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **18-Aug-2025** | 27-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP071)** | | | | | | | |
| A1/TP1-0.2, A1/TP2-0.2, A1/TP3-0.2, A1/TP4-0.1, A1/TP5-0.1, A1/TP6-0.2, A1/TP7-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP10-0.1, A1/TP11-0.2, A1/TP12-0.2, A1/TP13-0.2, A1/TP14-0.1, A1/TP15-0.1, A1/TP15-0.4, A1/TP16-0.2, A1/TP17-0.2, A1/TP18-0.2, A1/TP19-0.1, A1/TP20-0.1, A1/TP20-0.4, A1/TP21-0.2, A1/TP22-0.2, A1/TP23-0.2, A1/TP24-0.1, A1/TP25-0.1, A1/TP25-0.4, DUP 1, DUP 2 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP071)** | | | | | | | |
| A1/TP5-0.1, A1/TP6-0.2, A1/TP7-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP10-0.1, A1/TP11-0.2, A1/TP12-0.2, A1/TP13-0.2, A1/TP14-0.1, A1/TP15-0.1, A1/TP16-0.2, A1/TP18-0.2, A1/TP20-0.1, A1/TP22-0.2, A1/TP25-0.1 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| DUP 3 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **18-Aug-2025** | 28-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP071)** | | | | | | | |
| A2/TP1-0.2, A2/TP1-0.6, A2/TP2-0.2, A2/TP3-0.1, A2/TP3-0.3, A2/TP4-0.2, A2/TP4-0.6, A2/TP5-0.2, A2/TP6-0.2, A2/TP7-0.2, A2/TP8-0.2, A2/TP9-0.1, A2/TP9-0.3, A2/TP10-0.2, A2/TP11-0.2, A2/TP11-0.6, DUP 3 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP080/071: Total Petroleum Hydrocarbons - Continued** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| A2/TP2-0.2, A2/TP3-0.1 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **20-Aug-2025** | 28-Aug-2025 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| Soil Blank | **11-Aug-2025** | **18-Aug-2025** | 25-Aug-2025 | ✓ | **18-Aug-2025** | 25-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, DUP 1, DUP 2 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **18-Aug-2025** | 27-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP071)** | | | | | | | |
| A1/TP1-0.2, A1/TP2-0.2, A1/TP3-0.2, A1/TP4-0.1, A1/TP5-0.1, A1/TP6-0.2, A1/TP7-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP10-0.1, A1/TP11-0.2, A1/TP12-0.2, A1/TP13-0.2, A1/TP14-0.1, A1/TP15-0.1, A1/TP15-0.4, A1/TP16-0.2, A1/TP17-0.2, A1/TP18-0.2, A1/TP19-0.1, A1/TP20-0.1, A1/TP20-0.4, A1/TP21-0.2, A1/TP22-0.2, A1/TP23-0.2, A1/TP24-0.1, A1/TP25-0.1, A1/TP25-0.4, DUP 1, DUP 2 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP071)** | | | | | | | |
| A1/TP5-0.1, A1/TP6-0.2, A1/TP7-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP10-0.1, A1/TP11-0.2, A1/TP12-0.2, A1/TP13-0.2, A1/TP14-0.1, A1/TP15-0.1, A1/TP16-0.2, A1/TP18-0.2, A1/TP20-0.1, A1/TP22-0.2, A1/TP25-0.1 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **20-Aug-2025** | 27-Sep-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| DUP 3 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **18-Aug-2025** | 28-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP071)** | | | | | | | |
| A2/TP1-0.2, A2/TP1-0.6, A2/TP2-0.2, A2/TP3-0.1, A2/TP3-0.3, A2/TP4-0.2, A2/TP4-0.6, A2/TP5-0.2, A2/TP6-0.2, A2/TP7-0.2, A2/TP8-0.2, A2/TP9-0.1, A2/TP9-0.3, A2/TP10-0.2, A2/TP11-0.2, A2/TP11-0.6, DUP 3 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **19-Aug-2025** | 27-Sep-2025 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| A2/TP2-0.2, A2/TP3-0.1 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **20-Aug-2025** | 28-Aug-2025 | ✓ |
| **EP080: BTEXN** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| Soil Blank, Soil Control | **11-Aug-2025** | **18-Aug-2025** | 25-Aug-2025 | ✓ | **18-Aug-2025** | 25-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| Soil Spike | **11-Aug-2025** | **18-Aug-2025** | 25-Aug-2025 | ✓ | **19-Aug-2025** | 25-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| A1/TP15-0.4, A1/TP19-0.1, DUP 1, DUP 2 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **18-Aug-2025** | 27-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| A1/TP1-0.2, A1/TP2-0.2, A1/TP3-0.2, A1/TP4-0.1, A1/TP5-0.1, A1/TP6-0.2, A1/TP7-0.2, A1/TP8-0.2, A1/TP9-0.1, A1/TP10-0.1, A1/TP11-0.2, A1/TP12-0.2, A1/TP13-0.2, A1/TP14-0.1, A1/TP15-0.1, A1/TP16-0.2, A1/TP17-0.2, A1/TP18-0.2, A1/TP20-0.1, A1/TP20-0.4, A1/TP21-0.2, A1/TP22-0.2, A1/TP23-0.2, A1/TP24-0.1, A1/TP25-0.1, A1/TP25-0.4 | **13-Aug-2025** | **18-Aug-2025** | 27-Aug-2025 | ✓ | **19-Aug-2025** | 27-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| DUP 3 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **18-Aug-2025** | 28-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| A2/TP1-0.2, A2/TP1-0.6, A2/TP3-0.3, A2/TP4-0.2, A2/TP4-0.6, A2/TP5-0.2, A2/TP6-0.2, A2/TP7-0.2, A2/TP8-0.2, A2/TP9-0.1, A2/TP9-0.3, A2/TP10-0.2, A2/TP11-0.2, A2/TP11-0.6 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **19-Aug-2025** | 28-Aug-2025 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| A2/TP2-0.2, A2/TP3-0.1 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **20-Aug-2025** | 28-Aug-2025 | ✓ |

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EG020T: Total Metals by ICP-MS** | | | | | | | |
| **Clear Plastic Bottle - Nitric Acid; Unfiltered (EG020A-T)** | | | | | | | |
| Rinse 01 | **14-Aug-2025** | **19-Aug-2025** | 10-Feb-2026 | ✓ | **19-Aug-2025** | 10-Feb-2026 | ✓ |

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | |
| **Clear Plastic Bottle - Nitric Acid; Unfiltered (EG035T)** | | | | | | | |
| Rinse 01 | **14-Aug-2025** | **----** | ---- | **----** | **20-Aug-2025** | 11-Sep-2025 | ✓ |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | |
| **Amber Glass Bottle - Unpreserved (EP071)** | | | | | | | |
| Rinse 01 | **14-Aug-2025** | **19-Aug-2025** | 21-Aug-2025 | ✓ | **20-Aug-2025** | 28-Sep-2025 | ✓ |
| **Amber VOC Vial - Sulfuric Acid (EP080)** | | | | | | | |
| Rinse 01 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **18-Aug-2025** | 28-Aug-2025 | ✓ |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | |
| **Amber Glass Bottle - Unpreserved (EP071)** | | | | | | | |
| Rinse 01 | **14-Aug-2025** | **19-Aug-2025** | 21-Aug-2025 | ✓ | **20-Aug-2025** | 28-Sep-2025 | ✓ |
| **Amber VOC Vial - Sulfuric Acid (EP080)** | | | | | | | |
| Rinse 01 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **18-Aug-2025** | 28-Aug-2025 | ✓ |
| **EP080: BTEXN** | | | | | | | |
| **Amber VOC Vial - Sulfuric Acid (EP080)** | | | | | | | |
| Rinse 01 | **14-Aug-2025** | **18-Aug-2025** | 28-Aug-2025 | ✓ | **18-Aug-2025** | 28-Aug-2025 | ✓ |

# Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

| Quality Control Sample Type | | Count | | Rate (%) | | | Quality Control Specification |
|---|---|---|---|---|---|---|---|
| *Analytical Methods* | *Method* | *QC* | *Regular* | ***Actual*** | ***Expected*** | *Evaluation* | |
| **Laboratory Duplicates (DUP)** | | | | | | | |
| Electrical Conductivity (1:5) | EA010 | 2 | 3 | **66.67** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Exchangeable Cations | ED007 | 1 | 8 | **12.50** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Moisture Content | EA055 | 7 | 64 | **10.94** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| PAH/Phenols (SIM) | EP075(SIM) | 5 | 47 | **10.64** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Pesticides by GCMS | EP068 | 3 | 20 | **15.00** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| pH (1:5) | EA002 | 2 | 3 | **66.67** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Polychlorinated Biphenyls (PCB) | EP066 | 3 | 20 | **15.00** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Semivolatile Organic Compounds | EP075 | 1 | 4 | **25.00** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 7 | 64 | **10.94** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-AES | EG005T | 7 | 64 | **10.94** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 5 | 47 | **10.64** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 6 | 53 | **11.32** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Volatile Organic Compounds | EP074 | 1 | 4 | **25.00** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| **Laboratory Control Samples (LCS)** | | | | | | | |
| Electrical Conductivity (1:5) | EA010 | 1 | 3 | **33.33** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Exchangeable Cations | ED007 | 1 | 8 | **12.50** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| PAH/Phenols (SIM) | EP075(SIM) | 3 | 47 | **6.38** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Pesticides by GCMS | EP068 | 2 | 20 | **10.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| pH (1:5) | EA002 | 4 | 3 | **133.33** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Polychlorinated Biphenyls (PCB) | EP066 | 2 | 20 | **10.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Semivolatile Organic Compounds | EP075 | 1 | 4 | **25.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 4 | 64 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-AES | EG005T | 4 | 64 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 3 | 47 | **6.38** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 4 | 53 | **7.55** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Volatile Organic Compounds | EP074 | 1 | 4 | **25.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| **Method Blanks (MB)** | | | | | | | |
| Electrical Conductivity (1:5) | EA010 | 1 | 3 | **33.33** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Exchangeable Cations | ED007 | 1 | 8 | **12.50** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| PAH/Phenols (SIM) | EP075(SIM) | 3 | 47 | **6.38** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Pesticides by GCMS | EP068 | 2 | 20 | **10.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Polychlorinated Biphenyls (PCB) | EP066 | 2 | 20 | **10.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Semivolatile Organic Compounds | EP075 | 1 | 4 | **25.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 4 | 64 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-AES | EG005T | 4 | 64 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 3 | 47 | **6.38** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

| Quality Control Sample Type | | Count | | Rate (%) | | | Quality Control Specification |
|---|---|---|---|---|---|---|---|
| *Analytical Methods* | *Method* | *QC* | *Regular* | ***Actual*** | ***Expected*** | *Evaluation* | |
| Method Blanks (MB) - Continued | | | | | | | |
| TRH Volatiles/BTEX | EP080 | 4 | 53 | **7.55** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Volatile Organic Compounds | EP074 | 1 | 4 | **25.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Matrix Spikes (MS) | | | | | | | |
| PAH/Phenols (SIM) | EP075(SIM) | 3 | 47 | **6.38** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Pesticides by GCMS | EP068 | 2 | 20 | **10.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Polychlorinated Biphenyls (PCB) | EP066 | 2 | 20 | **10.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Semivolatile Organic Compounds | EP075 | 1 | 4 | **25.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 4 | 64 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-AES | EG005T | 4 | 64 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 3 | 47 | **6.38** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 4 | 53 | **7.55** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Volatile Organic Compounds | EP074 | 1 | 4 | **25.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

| Quality Control Sample Type | | Count | | Rate (%) | | | Quality Control Specification |
|---|---|---|---|---|---|---|---|
| *Analytical Methods* | *Method* | *QC* | *Regular* | ***Actual*** | ***Expected*** | *Evaluation* | |
| Laboratory Duplicates (DUP) | | | | | | | |
| Total Mercury by FIMS | EG035T | 1 | 3 | **33.33** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-MS - Suite A | EG020A-T | 2 | 8 | **25.00** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 0 | 2 | **0.00** | **10.00** | × | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 2 | 19 | **10.53** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Laboratory Control Samples (LCS) | | | | | | | |
| Total Mercury by FIMS | EG035T | 1 | 3 | **33.33** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-MS - Suite A | EG020A-T | 1 | 8 | **12.50** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 1 | 2 | **50.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 19 | **5.26** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Method Blanks (MB) | | | | | | | |
| Total Mercury by FIMS | EG035T | 1 | 3 | **33.33** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-MS - Suite A | EG020A-T | 1 | 8 | **12.50** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 1 | 2 | **50.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 19 | **5.26** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Matrix Spikes (MS) | | | | | | | |
| Total Mercury by FIMS | EG035T | 1 | 3 | **33.33** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-MS - Suite A | EG020A-T | 1 | 8 | **12.50** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 0 | 2 | **0.00** | **5.00** | × | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 19 | **5.26** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |

## Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

| Analytical Methods | Method | Matrix | Method Descriptions |
|---|---|---|---|
| pH (1:5) | EA002 | SOIL | In house: Referenced to Rayment and Lyons 4A1 and APHA 4500H+. pH is determined on soil samples after a 1:5 soil/water leach. This method is compliant with NEPM Schedule B(3). |
| Electrical Conductivity (1:5) | EA010 | SOIL | In house: Referenced to Rayment and Lyons 3A1 and APHA 2510. Conductivity is determined on soil samples using a 1:5 soil/water leach. This method is compliant with NEPM Schedule B(3). |
| Moisture Content | EA055 | SOIL | In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3). |
| Exchangeable Cations | ED007 | SOIL | In house: Referenced to Rayment & Lyons Method 15A1. Cations are exchanged from the sample by contact with Ammonium Chloride. They are then quantitated in the final solution by ICPAES and reported as meq/100g of original soil. This method is compliant with NEPM Schedule B(3). |
| Total Metals by ICP-AES | EG005T | SOIL | In house: Referenced to APHA 3120; USEPA SW 846 - 6010. Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM Schedule B(3) |
| Total Mercury by FIMS | EG035T | SOIL | In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2) (Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3) |
| Polychlorinated Biphenyls (PCB) | EP066 | SOIL | In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3). |
| Pesticides by GCMS | EP068 | SOIL | In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM Schedule B(3). |
| TRH - Semivolatile Fraction | EP071 | SOIL | In house: Referenced to USEPA SW 846 - 8015 Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C40. Compliant with NEPM Schedule B(3). |
| Volatile Organic Compounds | EP074 | SOIL | In house: Referenced to USEPA SW 846 - 8260 Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3). |
| Semivolatile Organic Compounds | EP075 | SOIL | In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM Schedule B(3). |
| PAH/Phenols (SIM) | EP075(SIM) | SOIL | In house: Referenced to USEPA SW 846 - 8270. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3) |

| Analytical Methods | Method | Matrix | Method Descriptions |
|---|---|---|---|
| TRH Volatiles/BTEX | EP080 | SOIL | In house: Referenced to USEPA SW 846 - 8260. Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. Compliant with NEPM Schedule B(3) amended. |
| Total Metals by ICP-MS - Suite A | EG020A-T | WATER | In house: Referenced to APHA 3125; USEPA SW846 - 6020, ALS QWI-EN/EG020. The ICPMS technique utilizes a highly efficient argon plasma to ionize selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector. |
| Total Mercury by FIMS | EG035T | WATER | In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. A bromate/bromide reagent is used to oxidise any organic mercury compounds in the unfiltered sample. The ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3). |
| TRH - Semivolatile Fraction | EP071 | WATER | In house: Referenced to USEPA SW 846 - 8015 The sample extract is analysed by Capillary GC/FID and quantification is by comparison against an established 5 point calibration curve of n-Alkane standards. This method is compliant with the QC requirements of NEPM Schedule B(3) |
| TRH Volatiles/BTEX | EP080 | WATER | In house: Referenced to USEPA SW 846 - 8260 Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. Alternatively, a sample is equilibrated in a headspace vial and a portion of the headspace determined by GCMS analysis. This method is compliant with the QC requirements of NEPM Schedule B(3) |

| Preparation Methods | Method | Matrix | Method Descriptions |
|---|---|---|---|
| Exchangeable Cations Preparation Method | ED007PR | SOIL | In house: Referenced to Rayment & Lyons method 15A1. A 1M NH4Cl extraction by end over end tumbling at a ratio of 1:20. There is no pretreatment for soluble salts. Extracts can be run by ICP for cations. |
| 1:5 solid / water leach for soluble analytes | EN34 | SOIL | 10 g of soil is mixed with 50 mL of reagent grade water and tumbled end over end for 1 hour. Water soluble salts are leached from the soil by the continuous suspension. Samples are settled and the water filtered off for analysis. |
| Hot Block Digest for metals in soils sediments and sludges | EN69 | SOIL | In house: Referenced to USEPA 200.2. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM Schedule B(3). |
| Methanolic Extraction of Soils for Purge and Trap | ORG16 | SOIL | In house: Referenced to USEPA SW 846 - 5030A. 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS. |
| Tumbler Extraction of Solids | ORG17 | SOIL | In house: Mechanical agitation (tumbler). 10g of sample, Na2SO4 and surrogate are extracted with 30mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis. |
| Digestion for Total Recoverable Metals | EN25 | WATER | In house: Referenced to USEPA SW846-3005. Method 3005 is a Nitric/Hydrochloric acid digestion procedure used to prepare surface and ground water samples for analysis by ICPAES or ICPMS. This method is compliant with NEPM Schedule B(3) |
| Separatory Funnel Extraction of Liquids | ORG14 | WATER | In house: Referenced to USEPA SW 846 - 3510 100 mL to 1L of sample is transferred to a separatory funnel and serially extracted three times using DCM for each extract. The resultant extracts are combined, dehydrated and concentrated for analysis. This method is compliant with NEPM Schedule B(3) . ALS default excludes sediment which may be resident in the container. |

| *Preparation Methods* | *Method* | *Matrix* | *Method Descriptions* |
|---|---|---|---|
| Volatiles Water Preparation | ORG16-W | WATER | A 5 mL aliquot or 5 mL of a diluted sample is added to a 40 mL VOC vial for purging. |

**Envirolab Services Pty Ltd**
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

# SAMPLE RECEIPT ADVICE

## Client Details

| | |
|---|---|
| **Client** | ENRS |
| **Attention** | Lab Results |

## Sample Login Details

| | |
|---|---|
| **Your reference** | ENRS3413 |
| **Envirolab Reference** | 388718 |
| **Date Sample Received** | 18/08/2025 |
| **Date Instructions Received** | 18/08/2025 |
| **Date Results Expected to be Reported** | 20/08/2025 |

## Sample Condition

| | |
|---|---|
| **Samples received in appropriate condition for analysis** | Yes |
| **No. of Samples Provided** | 3 Soil |
| **Turnaround Time Requested** | 2 days |
| **Temperature on Receipt (°C)** | 3 |
| **Cooling Method** | Ice |
| **Sampling Date Provided** | YES |

## Comments

Nil

Please direct any queries to:

| Aileen Hie | Jacinta Hurst |
|---|---|
| **Phone: 02 9910 6200** | **Phone: 02 9910 6200** |
| **Fax: 02 9910 6201** | **Fax: 02 9910 6201** |
| **Email: ahie@envirolab.com.au** | **Email: jhurst@envirolab.com.au** |

*Analysis Underway, details on the following page:*

**Envirolab Services Pty Ltd**
ABN 37 112 535 645
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| Sample ID | vTRH(C6-C10)/BTEXN in Soil | svTRH (C10-C40) in Soil | PAHs in Soil | Acid Extractable metals in soil |
|---|---|---|---|---|
| **TRIP 1** | ✓ | ✓ | ✓ | ✓ |
| **TRIP 2** | ✓ | ✓ | ✓ | ✓ |
| **TRIP 3** | ✓ | ✓ | ✓ | ✓ |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

## Additional Info

| |
|---|
| Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt. |
| Requests for longer term sample storage must be received in writing. |
| Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default. |
| TAT for Micro is dependent on incubation. This varies from 3 to 6 days. |

# SAMPLE RECEIPT NOTIFICATION (SRN)

| | | | |
|---|---|---|---|
| **Work Order** | : **EW2600934** | | |
| Client | : **ENVIRONMENT & NATURAL RESOURCE SOLUTIONS** | Laboratory | : Environmental Division NSW South Coast |
| Contact | : LAB ENRS | Contact | : Aneta Prosaroski |
| Address | : 108 Jerry Bailey Road Shoalhaven Heads 2535 | Address | : 1/19 Ralph Black Dr, North Wollongong 2500 NSW Australia |
| E-mail | : lab@enrs.com.au | E-mail | : Aneta.Prosaroski@ALSGlobal.com |
| Telephone | : 02 9037 4708 | Telephone | : 02 42253125 |
| Facsimile | : 02 9037 4708 | Facsimile | : W 02 42253128 N 02 44232083 |
| Project | : ENRS3413 | Page | : 1 of 3 |
| Order number | : ENRS3413 | Quote number | : EW2023ENVNAT0003 (EW23ENVNAT0003 V2) |
| C-O-C number | : ---- | QC Level | : NEPM 2013 B3 & ALS QC Standard |
| Site | : Pipeline Rev2 DSI | | |
| Sampler | : Client- CA | | |

## Dates

| | | | |
|---|---|---|---|
| Date Samples Received | : 19-Feb-2026 15:24 | Issue Date | : 19-Feb-2026 |
| Client Requested Due Date | : 25-Feb-2026 | Scheduled Reporting Date | : **25-Feb-2026** |

## Delivery Details

| | | | |
|---|---|---|---|
| Mode of Delivery | : Client Drop Off | Security Seal | : Not Available |
| No. of coolers/boxes | : ---- | Temperature | : 7.6, 9.8, 5.3 - Ice Bricks present |
| Receipt Detail | : | No. of samples received / analysed | : 23 / 17 |

## General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Sample Disposal - Aqueous (3 weeks), Solid (2 months) from receipt of samples.**
- **Please direct any queries you have regarding this work order to the above ALS laboratory contact.**
- **Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.**
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**

## Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

## Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

| *Laboratory sample ID* | *Sampling date / time* | *Sample ID* | (On Hold) SOIL No analysis requested | SOIL - EA055-103 Moisture Content | SOIL - S-18 (NO MOIST) TRH(C6-C9)/BTEXN with No Moisture for TBs | SOIL - S-19 TRH/BTEXN/PAH/Ph/OC/OP/PCB/8 metals | SOIL - S-26 8 metals/TRH/BTEXN/PAH |
|---|---|---|---|---|---|---|---|
| EW2600934-001 | 18-Feb-2026 00:00 | EA2/TP1-0.1 | | ✓ | | ✓ | |
| EW2600934-002 | 18-Feb-2026 00:00 | EA2/TP1-0.5 | | ✓ | | | ✓ |
| EW2600934-003 | 18-Feb-2026 00:00 | EA2/TP1-1.5 | ✓ | | | | |
| EW2600934-004 | 18-Feb-2026 00:00 | EA2/TP2-0.1 | | ✓ | | | ✓ |
| EW2600934-005 | 18-Feb-2026 00:00 | EA2/TP2-0.5 | ✓ | | | | |
| EW2600934-006 | 18-Feb-2026 00:00 | EA2/TP3-0.1 | | ✓ | | | ✓ |
| EW2600934-007 | 18-Feb-2026 00:00 | EA2/TP3-0.5 | ✓ | | | | |
| EW2600934-008 | 18-Feb-2026 00:00 | EA2/TP4-0.1 | | ✓ | | | ✓ |
| EW2600934-009 | 18-Feb-2026 00:00 | EA2/TP4-0.5 | | ✓ | | | ✓ |
| EW2600934-010 | 18-Feb-2026 00:00 | EA2/TP5-0.1 | | ✓ | | ✓ | |
| EW2600934-011 | 18-Feb-2026 00:00 | EA2/TP5-0.5 | ✓ | | | | |
| EW2600934-012 | 18-Feb-2026 00:00 | EA2/TP6-0.1 | | ✓ | | | ✓ |
| EW2600934-013 | 18-Feb-2026 00:00 | EA2/TP6-0.5 | ✓ | | | | |
| EW2600934-014 | 18-Feb-2026 00:00 | EA2/TP6-1.5 | ✓ | | | | |
| EW2600934-015 | 18-Feb-2026 00:00 | EA2/TP7-0.1 | | ✓ | | | ✓ |
| EW2600934-016 | 18-Feb-2026 00:00 | EA2/TP7-0.5 | | ✓ | | | ✓ |
| EW2600934-017 | 18-Feb-2026 00:00 | EA2/TP8-0.1 | | ✓ | | ✓ | |
| EW2600934-018 | 18-Feb-2026 00:00 | EA2/TP8-0.6 | | ✓ | | | ✓ |
| EW2600934-019 | 18-Feb-2026 00:00 | EA2/DUP 4 | | ✓ | | | ✓ |
| EW2600934-020 | 18-Feb-2026 00:00 | Trip Blank | | ✓ | ✓ | | |
| EW2600934-021 | 18-Feb-2026 00:00 | Trip Spike | | ✓ | ✓ | | |
| EW2600934-022 | 18-Feb-2026 00:00 | Control | | ✓ | ✓ | | |

Matrix: **WATER**

| Laboratory sample ID | Sampling date / time | Sample ID | WATER - W-26T TRH/BTEXN/PAH/Total 8 Metals |
|---|---|---|---|
| EW2600934-023 | 18-Feb-2026 00:00 | Rinse | ✓ |

## Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

## Requested Deliverables

**Accounts**

| | | |
|---|---|---|
| - A4 - AU Tax Invoice (INV) | Email | accounts@enrs.com.au |

**LAB ENRS**

| | | |
|---|---|---|
| - *AU Certificate of Analysis - NATA (COA) | Email | lab@enrs.com.au |
| - *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) | Email | lab@enrs.com.au |
| - *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) | Email | lab@enrs.com.au |
| - A4 - AU Sample Receipt Notification - Environmental HT (SRN) | Email | lab@enrs.com.au |
| - Chain of Custody (CoC) (COC) | Email | lab@enrs.com.au |
| - EDI Format - ENMRG (ENMRG) | Email | lab@enrs.com.au |
| - EDI Format - ESDAT (ESDAT) | Email | lab@enrs.com.au |

## Inter-Laboratory Testing

Analysis conducted by ALS Sydney, NATA accreditation no. 825, site no. 10911 (Chemistry / Biology).

(SOIL) EP075(SIM)B: Polynuclear Aromatic Hydrocarbons
(SOIL) EG005(ED093)T: Total Metals by ICP-AES
(SOIL) EG035T: Total Recoverable Mercury by FIMS
(SOIL) EA055: Moisture Content (Dried @ 105-110°C)
(SOIL) EP080/071: Total Petroleum Hydrocarbons
(SOIL) EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions
(SOIL) EP080: BTEXN
(SOIL) EP066: Polychlorinated Biphenyls (PCB)
(SOIL) EP075(SIM)A: Phenolic Compounds
(SOIL) EP068A: Organochlorine Pesticides (OC)
(SOIL) EP068B: Organophosphorus Pesticides (OP)
(WATER) EG020T: Total Metals by ICP-MS
(WATER) EG035T: Total Recoverable Mercury by FIMS
(WATER) EP080/071: Total Petroleum Hydrocarbons
(WATER) EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions
(WATER) EP080: BTEXN
(WATER) EP075(SIM)B: Polynuclear Aromatic Hydrocarbons

# QUALITY CONTROL REPORT

| | | | |
|---|---|---|---|
| **Work Order** | : **EW2600934** | Page | : 1 of 15 |
| Client | : **ENVIRONMENT & NATURAL RESOURCE SOLUTIONS** | Laboratory | : Environmental Division NSW South Coast |
| Contact | : LAB ENRS | Contact | : Aneta Prosaroski |
| Address | : 108 Jerry Bailey Road<br>Shoalhaven Heads 2535 | Address | : 1/19 Ralph Black Dr, North Wollongong 2500 NSW Australia |
| Telephone | : 02 9037 4708 | Telephone | : 02 42253125 |
| Project | : ENRS3413 | Date Samples Received | : 19-Feb-2026 |
| Order number | : ENRS3413 | Date Analysis Commenced | : 20-Feb-2026 |
| C-O-C number | : ---- | Issue Date | : 25-Feb-2026 |
| Sampler | : Client- CA | | |
| Site | : Pipeline Rev2 DSI | | |
| Quote number | : EW23ENVNAT0003 V2 | | |
| No. of samples received | : 23 | | |
| No. of samples analysed | : 17 | | |

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

## *Signatories*

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

| *Signatories* | *Position* | *Accreditation Category* |
|---|---|---|
| Ankit Joshi | Senior Chemist - Inorganics | Sydney Inorganics, Smithfield, NSW |
| Edwandy Fadjar | Organic Coordinator | Sydney Organics, Smithfield, NSW |

## General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

## Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 7219483)** | | | | | | | | | |
| ES2605493-003 | Anonymous | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 9 | 9 | 0.0 | No Limit |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 7 | 7 | 0.0 | No Limit |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | 24 | 21 | 12.9 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | 109 | 95 | 13.7 | 0% - 20% |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 151 | 133 | 12.7 | 0% - 20% |
| | | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 709 | 676 | 4.9 | 0% - 20% |
| EW2600934-006 | EA2/TP3-0.1 | EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EG005T: Chromium | 7440-47-3 | 2 | mg/kg | 22 | 22 | 0.0 | 0% - 50% |
| | | EG005T: Nickel | 7440-02-0 | 2 | mg/kg | 18 | 17 | 0.0 | No Limit |
| | | EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | 11 | 12 | 8.9 | No Limit |
| | | EG005T: Copper | 7440-50-8 | 5 | mg/kg | 18 | 17 | 0.0 | No Limit |
| | | EG005T: Lead | 7439-92-1 | 5 | mg/kg | 22 | 23 | 0.0 | No Limit |
| | | EG005T: Zinc | 7440-66-6 | 5 | mg/kg | 63 | 64 | 2.4 | 0% - 50% |
| **EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 7219488)** | | | | | | | | | |
| ES2605520-018 | Anonymous | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 6.7 | 6.7 | 0.0 | No Limit |
| EW2600934-009 | EA2/TP4-0.5 | EA055: Moisture Content | ---- | 0.1 (1.0)* | % | 14.3 | 14.0 | 2.5 | 0% - 50% |
| **EG035T: Total Recoverable Mercury by FIMS (QC Lot: 7219484)** | | | | | | | | | |
| ES2605493-004 | Anonymous | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| EW2600934-008 | EA2/TP4-0.1 | EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 7213883)** | | | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP066: Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | <0.1 | <0.1 | 0.0 | No Limit |
| **EP068A: Organochlorine Pesticides (OC) (QC Lot: 7213880)** | | | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP068: alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| **EP068B: Organophosphorus Pesticides (OP) (QC Lot: 7213880)** | | | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP068: Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EP068B: Organophosphorus Pesticides (OP) (QC Lot: 7213880) - continued** | | | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP068: Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | <0.05 | 0.0 | No Limit |
| | | EP068: Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP068: Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| **EP075(SIM)A: Phenolic Compounds (QC Lot: 7213882)** | | | | | | | | | |
| EW2600934-009 | EA2/TP4-0.5 | EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | <2 | 0.0 | No Limit |
| EW2600934-001 | EA2/TP1-0.1 | EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | <2 | 0.0 | No Limit |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 7213882)** | | | | | | | | | |
| EW2600934-009 | EA2/TP4-0.5 | EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 7213882) - continued** | | | | | | | | | |
| EW2600934-009 | EA2/TP4-0.5 | EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| EW2600934-001 | EA2/TP1-0.1 | EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Sum of polycyclic aromatic hydrocarbons | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP075(SIM): Benzo(a)pyrene TEQ (zero) | ---- | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 7213881)** | | | | | | | | | |
| EW2600934-009 | EA2/TP4-0.5 | EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |

Sub-Matrix: **SOIL**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 7213881) - continued** | | | | | | | | | |
| EW2600934-009 | EA2/TP4-0.5 | EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| EW2600934-001 | EA2/TP1-0.1 | EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 7219187)** | | | | | | | | | |
| ES2605456-001 | Anonymous | EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| EW2600934-010 | EA2/TP5-0.1 | EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 7213881)** | | | | | | | | | |
| EW2600934-009 | EA2/TP4-0.5 | EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| EW2600934-001 | EA2/TP1-0.1 | EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | <100 | 0.0 | No Limit |
| | | EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | <50 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 7219187)** | | | | | | | | | |
| ES2605456-001 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| EW2600934-010 | EA2/TP5-0.1 | EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | 0.0 | No Limit |
| **EP080: BTEXN (QC Lot: 7219187)** | | | | | | | | | |
| ES2605456-001 | Anonymous | EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |
| EW2600934-010 | EA2/TP5-0.1 | EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | 0.0 | No Limit |

Sub-Matrix: **WATER**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | LOR | Unit | Original Result | Duplicate Result | RPD (%) | Acceptable RPD (%) |
| **EG020T: Total Metals by ICP-MS (QC Lot: 7217889)** | | | | | | | | | |
| ES2605558-002 | Anonymous | EG020A-T: Cadmium | 7440-43-9 | 0.0001 | mg/L | <0.0001 | <0.0001 | 0.0 | No Limit |
| | | EG020A-T: Arsenic | 7440-38-2 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |

Sub-Matrix: **WATER**

| | | | | Laboratory Duplicate (DUP) Report | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Laboratory sample ID* | *Sample ID* | *Method: Compound* | *CAS Number* | *LOR* | *Unit* | *Original Result* | *Duplicate Result* | *RPD (%)* | *Acceptable RPD (%)* |
| **EG020T: Total Metals by ICP-MS (QC Lot: 7217889) - continued** | | | | | | | | | |
| ES2605558-002 | Anonymous | EG020A-T: Chromium | 7440-47-3 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Copper | 7440-50-8 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Lead | 7439-92-1 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Nickel | 7440-02-0 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Zinc | 7440-66-6 | 0.005 | mg/L | <0.005 | <0.005 | 0.0 | No Limit |
| ME2600230-003 | Anonymous | EG020A-T: Cadmium | 7440-43-9 | 0.0001 | mg/L | <0.0001 | <0.0001 | 0.0 | No Limit |
| | | EG020A-T: Arsenic | 7440-38-2 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Chromium | 7440-47-3 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Copper | 7440-50-8 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Lead | 7439-92-1 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Nickel | 7440-02-0 | 0.001 | mg/L | <0.001 | <0.001 | 0.0 | No Limit |
| | | EG020A-T: Zinc | 7440-66-6 | 0.005 | mg/L | <0.005 | <0.005 | 0.0 | No Limit |
| **EG035T: Total Recoverable Mercury by FIMS (QC Lot: 7217891)** | | | | | | | | | |
| EN2602707-001 | Anonymous | EG035T: Mercury | 7439-97-6 | 0.0001 | mg/L | <0.0001 | <0.0001 | 0.0 | No Limit |
| ES2605183-004 | Anonymous | EG035T: Mercury | 7439-97-6 | 0.0001 | mg/L | <0.0001 | <0.0001 | 0.0 | No Limit |
| **EP080/071: Total Petroleum Hydrocarbons (QC Lot: 7214222)** | | | | | | | | | |
| CA2600853-011 | Anonymous | EP080: C6 - C9 Fraction | ---- | 20 | µg/L | <20 | <20 | 0.0 | No Limit |
| ES2605267-001 | Anonymous | EP080: C6 - C9 Fraction | ---- | 20 | µg/L | <20 | <20 | 0.0 | No Limit |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 7214222)** | | | | | | | | | |
| CA2600853-011 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 20 | µg/L | <20 | <20 | 0.0 | No Limit |
| ES2605267-001 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 20 | µg/L | <20 | <20 | 0.0 | No Limit |
| **EP080: BTEXN (QC Lot: 7214222)** | | | | | | | | | |
| CA2600853-011 | Anonymous | EP080: Benzene | 71-43-2 | 1 | µg/L | <1 | <1 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 5 | µg/L | <5 | <5 | 0.0 | No Limit |
| ES2605267-001 | Anonymous | EP080: Benzene | 71-43-2 | 1 | µg/L | <1 | <1 | 0.0 | No Limit |
| | | EP080: Toluene | 108-88-3 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: Ethylbenzene | 100-41-4 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: ortho-Xylene | 95-47-6 | 2 | µg/L | <2 | <2 | 0.0 | No Limit |
| | | EP080: Naphthalene | 91-20-3 | 5 | µg/L | <5 | <5 | 0.0 | No Limit |

## Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

| | | | | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| Method: Compound | CAS Number | LOR | Unit | Result | Concentration | LCS | Low | High |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 7219483)** | | | | | | | | |
| EG005T: Arsenic | 7440-38-2 | 5 | mg/kg | <5 | 121.1 mg/kg | 91.8 | 88.0 | 113 |
| EG005T: Cadmium | 7440-43-9 | 1 | mg/kg | <1 | 0.74 mg/kg | 94.2 | 70.0 | 130 |
| EG005T: Chromium | 7440-47-3 | 2 | mg/kg | <2 | 19.6 mg/kg | 106 | 68.0 | 132 |
| EG005T: Copper | 7440-50-8 | 5 | mg/kg | <5 | 52.9 mg/kg | 101 | 89.0 | 111 |
| EG005T: Lead | 7439-92-1 | 5 | mg/kg | <5 | 60.8 mg/kg | 91.7 | 82.0 | 119 |
| EG005T: Nickel | 7440-02-0 | 2 | mg/kg | <2 | 15.3 mg/kg | 92.5 | 80.0 | 120 |
| EG005T: Zinc | 7440-66-6 | 5 | mg/kg | <5 | 139.3 mg/kg | 85.5 | 66.0 | 133 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 7219484)** | | | | | | | | |
| EG035T: Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | 0.087 mg/kg | 104 | 70.0 | 125 |
| **EP066: Polychlorinated Biphenyls (PCB) (QCLot: 7213883)** | | | | | | | | |
| EP066: Total Polychlorinated biphenyls | ---- | 0.1 | mg/kg | <0.1 | 1 mg/kg | 78.6 | 62.0 | 126 |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 7213880)** | | | | | | | | |
| EP068: alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 75.6 | 69.0 | 113 |
| EP068: Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 86.0 | 65.0 | 117 |
| EP068: beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 90.2 | 67.0 | 119 |
| EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 87.8 | 68.0 | 116 |
| EP068: delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 92.0 | 65.0 | 117 |
| EP068: Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 77.9 | 67.0 | 115 |
| EP068: Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 92.2 | 69.0 | 115 |
| EP068: Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 84.1 | 62.0 | 118 |
| EP068: trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 82.8 | 63.0 | 117 |
| EP068: alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 93.4 | 66.0 | 116 |
| EP068: cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 85.4 | 64.0 | 116 |
| EP068: Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 98.4 | 66.0 | 116 |
| EP068: 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 89.1 | 67.0 | 115 |
| EP068: Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 106 | 67.0 | 123 |
| EP068: beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 93.0 | 69.0 | 115 |
| EP068: 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 85.4 | 69.0 | 121 |
| EP068: Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 87.7 | 56.0 | 120 |
| EP068: Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 91.2 | 62.0 | 124 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report | Laboratory Control Spike (LCS) Report | | |
|---|---|---|---|---|---|---|---|
| | | | | | Spike | Spike Recovery (%) | Acceptable Limits (%) | |
| | | | | Result | Concentration | LCS | Low | High |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 7213880) - continued** | | | | | | | | |
| EP068: 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 82.8 | 66.0 | 120 |
| EP068: Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 85.9 | 64.0 | 122 |
| EP068: Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 91.0 | 54.0 | 130 |
| **EP068B: Organophosphorus Pesticides (OP) (QCLot: 7213880)** | | | | | | | | |
| EP068: Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 103 | 59.0 | 119 |
| EP068: Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 98.4 | 62.0 | 128 |
| EP068: Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 101 | 54.0 | 126 |
| EP068: Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 106 | 67.0 | 119 |
| EP068: Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 86.6 | 70.0 | 120 |
| EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 81.0 | 72.0 | 120 |
| EP068: Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 96.8 | 68.0 | 120 |
| EP068: Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 86.0 | 68.0 | 122 |
| EP068: Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 76.2 | 69.0 | 117 |
| EP068: Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 80.2 | 76.0 | 118 |
| EP068: Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | 0.5 mg/kg | 102 | 64.0 | 122 |
| EP068: Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 79.6 | 70.0 | 116 |
| EP068: Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 88.5 | 69.0 | 121 |
| EP068: Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 78.8 | 66.0 | 118 |
| EP068: Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 96.9 | 68.0 | 124 |
| EP068: Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 94.8 | 62.0 | 112 |
| EP068: Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 87.3 | 68.0 | 120 |
| EP068: Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 77.3 | 65.0 | 127 |
| EP068: Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | 0.5 mg/kg | 99.0 | 41.0 | 123 |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 7213882)** | | | | | | | | |
| EP075(SIM): Phenol | 108-95-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 87.6 | 71.0 | 125 |
| EP075(SIM): 2-Chlorophenol | 95-57-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 86.9 | 72.0 | 124 |
| EP075(SIM): 2-Methylphenol | 95-48-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 83.9 | 71.0 | 123 |
| EP075(SIM): 3- & 4-Methylphenol | 1319-77-3 | 1 | mg/kg | <1 | 12 mg/kg | 92.2 | 67.0 | 127 |
| EP075(SIM): 2-Nitrophenol | 88-75-5 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 78.7 | 54.0 | 114 |
| EP075(SIM): 2.4-Dimethylphenol | 105-67-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.7 | 68.0 | 126 |
| EP075(SIM): 2.4-Dichlorophenol | 120-83-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 81.7 | 66.0 | 120 |
| EP075(SIM): 2.6-Dichlorophenol | 87-65-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 84.7 | 70.0 | 120 |
| EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.7 | 70.0 | 116 |
| EP075(SIM): 2.4.6-Trichlorophenol | 88-06-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 85.3 | 54.0 | 114 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report: Result | Laboratory Control Spike (LCS) Report: Spike Concentration | Spike Recovery (%): LCS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|---|
| **EP075(SIM)A: Phenolic Compounds (QCLot: 7213882) - continued** | | | | | | | | |
| EP075(SIM): 2.4.5-Trichlorophenol | 95-95-4 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 80.6 | 60.0 | 114 |
| EP075(SIM): Pentachlorophenol | 87-86-5 | 2 | mg/kg | <2 | 12 mg/kg | 43.6 | 10.0 | 80.0 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 7213882)** | | | | | | | | |
| EP075(SIM): Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 91.9 | 77.0 | 125 |
| EP075(SIM): Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.3 | 72.0 | 124 |
| EP075(SIM): Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 90.5 | 73.0 | 127 |
| EP075(SIM): Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 90.5 | 72.0 | 126 |
| EP075(SIM): Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 94.3 | 75.0 | 127 |
| EP075(SIM): Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 94.1 | 77.0 | 127 |
| EP075(SIM): Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 97.8 | 73.0 | 127 |
| EP075(SIM): Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 95.8 | 74.0 | 128 |
| EP075(SIM): Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 87.2 | 69.0 | 123 |
| EP075(SIM): Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 97.0 | 75.0 | 127 |
| EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.4 | 68.0 | 116 |
| EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 96.5 | 74.0 | 126 |
| EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 92.5 | 70.0 | 126 |
| EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 86.9 | 61.0 | 121 |
| EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 84.4 | 62.0 | 118 |
| EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | 6 mg/kg | 93.5 | 63.0 | 121 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 7213881)** | | | | | | | | |
| EP071: C10 - C14 Fraction | ---- | 50 | mg/kg | <50 | 286 mg/kg | 112 | 75.0 | 129 |
| EP071: C15 - C28 Fraction | ---- | 100 | mg/kg | <100 | 1724 mg/kg | 118 | 77.0 | 131 |
| EP071: C29 - C36 Fraction | ---- | 100 | mg/kg | <100 | 1208 mg/kg | 115 | 71.0 | 129 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 7219187)** | | | | | | | | |
| EP080: C6 - C9 Fraction | ---- | 10 | mg/kg | <10 | 26 mg/kg | 84.7 | 72.2 | 131 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7213881)** | | | | | | | | |
| EP071: >C10 - C16 Fraction | ---- | 50 | mg/kg | <50 | 464 mg/kg | 106 | 77.0 | 125 |
| EP071: >C16 - C34 Fraction | ---- | 100 | mg/kg | <100 | 2448 mg/kg | 122 | 74.0 | 138 |
| EP071: >C34 - C40 Fraction | ---- | 100 | mg/kg | <100 | 538 mg/kg | 108 | 63.0 | 131 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7219187)** | | | | | | | | |
| EP080: C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | 31 mg/kg | 77.3 | 72.4 | 133 |
| **EP080: BTEXN (QCLot: 7219187)** | | | | | | | | |
| EP080: Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | 1 mg/kg | 115 | 76.0 | 124 |

Sub-Matrix: **SOIL**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report: Result | Laboratory Control Spike (LCS) Report: Spike Concentration | Spike Recovery (%): LCS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|---|
| **EP080: BTEXN (QCLot: 7219187) - continued** | | | | | | | | |
| EP080: Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 94.9 | 78.5 | 121 |
| EP080: Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 106 | 77.4 | 121 |
| EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 0.5 | mg/kg | <0.5 | 2 mg/kg | 105 | 78.2 | 121 |
| EP080: ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | 1 mg/kg | 111 | 81.3 | 121 |
| EP080: Naphthalene | 91-20-3 | 1 | mg/kg | <1 | 1 mg/kg | 91.6 | 78.8 | 122 |

Sub-Matrix: **WATER**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report: Result | Laboratory Control Spike (LCS) Report: Spike Concentration | Spike Recovery (%): LCS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|---|
| **EG020T: Total Metals by ICP-MS (QCLot: 7217889)** | | | | | | | | |
| EG020A-T: Arsenic | 7440-38-2 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 96.2 | 82.0 | 114 |
| EG020A-T: Cadmium | 7440-43-9 | 0.0001 | mg/L | <0.0001 | 0.1 mg/L | 95.5 | 84.0 | 112 |
| EG020A-T: Chromium | 7440-47-3 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 95.1 | 86.0 | 116 |
| EG020A-T: Copper | 7440-50-8 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 101 | 83.0 | 118 |
| EG020A-T: Lead | 7439-92-1 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 96.8 | 85.0 | 115 |
| EG020A-T: Nickel | 7440-02-0 | 0.001 | mg/L | <0.001 | 0.1 mg/L | 93.9 | 84.0 | 116 |
| EG020A-T: Zinc | 7440-66-6 | 0.005 | mg/L | <0.005 | 0.1 mg/L | 96.6 | 79.0 | 117 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 7217891)** | | | | | | | | |
| EG035T: Mercury | 7439-97-6 | 0.0001 | mg/L | <0.0001 | 0.01 mg/L | 90.1 | 77.0 | 111 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 7213815)** | | | | | | | | |
| EP075(SIM): Naphthalene | 91-20-3 | 1 | µg/L | <1.0 | 5 µg/L | 80.2 | 50.0 | 94.0 |
| EP075(SIM): Acenaphthylene | 208-96-8 | 1 | µg/L | <1.0 | 5 µg/L | 86.8 | 63.6 | 114 |
| EP075(SIM): Acenaphthene | 83-32-9 | 1 | µg/L | <1.0 | 5 µg/L | 83.3 | 62.2 | 113 |
| EP075(SIM): Fluorene | 86-73-7 | 1 | µg/L | <1.0 | 5 µg/L | 83.5 | 63.9 | 115 |
| EP075(SIM): Phenanthrene | 85-01-8 | 1 | µg/L | <1.0 | 5 µg/L | 92.9 | 62.6 | 116 |
| EP075(SIM): Anthracene | 120-12-7 | 1 | µg/L | <1.0 | 5 µg/L | 93.0 | 64.3 | 116 |
| EP075(SIM): Fluoranthene | 206-44-0 | 1 | µg/L | <1.0 | 5 µg/L | 85.7 | 63.6 | 118 |
| EP075(SIM): Pyrene | 129-00-0 | 1 | µg/L | <1.0 | 5 µg/L | 85.0 | 63.1 | 118 |
| EP075(SIM): Benz(a)anthracene | 56-55-3 | 1 | µg/L | <1.0 | 5 µg/L | 89.1 | 64.1 | 117 |
| EP075(SIM): Chrysene | 218-01-9 | 1 | µg/L | <1.0 | 5 µg/L | 96.2 | 62.5 | 116 |
| EP075(SIM): Benzo(b+j)fluoranthene | 205-99-2<br>205-82-3 | 1 | µg/L | <1.0 | 5 µg/L | 77.6 | 61.7 | 119 |
| EP075(SIM): Benzo(k)fluoranthene | 207-08-9 | 1 | µg/L | <1.0 | 5 µg/L | 78.5 | 63.0 | 115 |
| EP075(SIM): Benzo(a)pyrene | 50-32-8 | 0.5 | µg/L | <0.5 | 5 µg/L | 80.5 | 63.3 | 117 |
| EP075(SIM): Indeno(1.2.3.cd)pyrene | 193-39-5 | 1 | µg/L | <1.0 | 5 µg/L | 92.8 | 59.9 | 118 |

Sub-Matrix: **WATER**

| Method: Compound | CAS Number | LOR | Unit | Method Blank (MB) Report: Result | Laboratory Control Spike (LCS) Report: Spike Concentration | Spike Recovery (%): LCS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|---|
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 7213815) - continued** | | | | | | | | |
| EP075(SIM): Dibenz(a.h)anthracene | 53-70-3 | 1 | µg/L | <1.0 | 5 µg/L | 94.0 | 61.2 | 117 |
| EP075(SIM): Benzo(g.h.i)perylene | 191-24-2 | 1 | µg/L | <1.0 | 5 µg/L | 92.6 | 59.1 | 118 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 7213816)** | | | | | | | | |
| EP071: C10 - C14 Fraction | ---- | 50 | µg/L | <50 | 400 µg/L | 67.0 | 53.7 | 97.0 |
| EP071: C15 - C28 Fraction | ---- | 100 | µg/L | <100 | 600 µg/L | 89.7 | 63.3 | 107 |
| EP071: C29 - C36 Fraction | ---- | 50 | µg/L | <50 | 400 µg/L | 90.5 | 58.3 | 120 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 7214222)** | | | | | | | | |
| EP080: C6 - C9 Fraction | ---- | 20 | µg/L | <20 | 260 µg/L | 83.1 | 75.0 | 127 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7213816)** | | | | | | | | |
| EP071: >C10 - C16 Fraction | ---- | 100 | µg/L | <100 | 500 µg/L | 77.4 | 53.9 | 95.5 |
| EP071: >C16 - C34 Fraction | ---- | 100 | µg/L | <100 | 700 µg/L | 93.0 | 57.8 | 110 |
| EP071: >C34 - C40 Fraction | ---- | 100 | µg/L | <100 | 300 µg/L | 66.4 | 50.5 | 115 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7214222)** | | | | | | | | |
| EP080: C6 - C10 Fraction | C6_C10 | 20 | µg/L | <20 | 310 µg/L | 81.6 | 75.0 | 127 |
| **EP080: BTEXN (QCLot: 7214222)** | | | | | | | | |
| EP080: Benzene | 71-43-2 | 1 | µg/L | <1 | 10 µg/L | 87.0 | 68.3 | 119 |
| EP080: Toluene | 108-88-3 | 2 | µg/L | <2 | 10 µg/L | 96.4 | 73.5 | 120 |
| EP080: Ethylbenzene | 100-41-4 | 2 | µg/L | <2 | 10 µg/L | 100 | 73.8 | 122 |
| EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 2 | µg/L | <2 | 10 µg/L | 103 | 73.0 | 122 |
| EP080: ortho-Xylene | 95-47-6 | 2 | µg/L | <2 | 10 µg/L | 97.6 | 76.4 | 123 |
| EP080: Naphthalene | 91-20-3 | 5 | µg/L | <5 | 10 µg/L | 108 | 75.5 | 124 |

## Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Matrix Spike (MS) Report: Spike Concentration | SpikeRecovery(%): MS | Acceptable Limits (%): Low | Acceptable Limits (%): High |
|---|---|---|---|---|---|---|---|
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 7219483)** | | | | | | | |
| ES2605493-003 | Anonymous | EG005T: Arsenic | 7440-38-2 | 50 mg/kg | 104 | 70.0 | 130 |
| | | EG005T: Cadmium | 7440-43-9 | 50 mg/kg | 89.2 | 70.0 | 130 |
| | | EG005T: Chromium | 7440-47-3 | 50 mg/kg | 97.2 | 68.0 | 132 |
| | | EG005T: Copper | 7440-50-8 | 250 mg/kg | 116 | 70.0 | 130 |
| | | EG005T: Lead | 7439-92-1 | 250 mg/kg | 115 | 70.0 | 130 |

Sub-Matrix: **SOIL**

| | | | | Matrix Spike (MS) Report | | | |
|---|---|---|---|---|---|---|---|
| | | | | Spike | SpikeRecovery(%) | Acceptable Limits (%) | |
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Concentration | MS | Low | High |
| **EG005(ED093)T: Total Metals by ICP-AES (QCLot: 7219483) - continued** | | | | | | | |
| ES2605493-003 | Anonymous | EG005T: Nickel | 7440-02-0 | 50 mg/kg | 89.5 | 70.0 | 130 |
| | | EG005T: Zinc | 7440-66-6 | 250 mg/kg | # 397 | 66.0 | 133 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 7219484)** | | | | | | | |
| ES2605493-004 | Anonymous | EG035T: Mercury | 7439-97-6 | 5 mg/kg | 87.9 | 70.0 | 130 |
| **EP066: Polychlorinated Biphenyls (PCB) (QCLot: 7213883)** | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP066: Total Polychlorinated biphenyls | ---- | 1 mg/kg | 90.9 | 70.0 | 130 |
| **EP068A: Organochlorine Pesticides (OC) (QCLot: 7213880)** | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP068: gamma-BHC - (Lindane) | 58-89-9 | 0.5 mg/kg | 88.7 | 70.0 | 130 |
| | | EP068: Heptachlor | 76-44-8 | 0.5 mg/kg | 74.4 | 70.0 | 130 |
| | | EP068: Aldrin | 309-00-2 | 0.5 mg/kg | 94.7 | 70.0 | 130 |
| | | EP068: Dieldrin | 60-57-1 | 0.5 mg/kg | 99.1 | 70.0 | 130 |
| | | EP068: Endrin | 72-20-8 | 2 mg/kg | 85.3 | 70.0 | 130 |
| | | EP068: 4.4`-DDT | 50-29-3 | 2 mg/kg | 70.8 | 70.0 | 130 |
| **EP068B: Organophosphorus Pesticides (OP) (QCLot: 7213880)** | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP068: Diazinon | 333-41-5 | 0.5 mg/kg | 80.8 | 70.0 | 130 |
| | | EP068: Chlorpyrifos-methyl | 5598-13-0 | 0.5 mg/kg | 78.5 | 70.0 | 130 |
| | | EP068: Pirimphos-ethyl | 23505-41-1 | 0.5 mg/kg | 75.1 | 70.0 | 130 |
| | | EP068: Bromophos-ethyl | 4824-78-6 | 0.5 mg/kg | 88.0 | 70.0 | 130 |
| | | EP068: Prothiofos | 34643-46-4 | 0.5 mg/kg | 80.0 | 70.0 | 130 |
| **EP075(SIM)A: Phenolic Compounds (QCLot: 7213882)** | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP075(SIM): Phenol | 108-95-2 | 10 mg/kg | 83.5 | 70.0 | 130 |
| | | EP075(SIM): 2-Chlorophenol | 95-57-8 | 10 mg/kg | 89.1 | 70.0 | 130 |
| | | EP075(SIM): 2-Nitrophenol | 88-75-5 | 10 mg/kg | 86.4 | 60.0 | 130 |
| | | EP075(SIM): 4-Chloro-3-methylphenol | 59-50-7 | 10 mg/kg | 79.1 | 70.0 | 130 |
| | | EP075(SIM): Pentachlorophenol | 87-86-5 | 10 mg/kg | 90.6 | 20.0 | 130 |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 7213882)** | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP075(SIM): Acenaphthene | 83-32-9 | 10 mg/kg | 87.5 | 70.0 | 130 |
| | | EP075(SIM): Pyrene | 129-00-0 | 10 mg/kg | 93.3 | 70.0 | 130 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 7213881)** | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP071: C10 - C14 Fraction | ---- | 480 mg/kg | 131 | 73.0 | 137 |
| | | EP071: C15 - C28 Fraction | ---- | 3100 mg/kg | 117 | 53.0 | 131 |
| | | EP071: C29 - C36 Fraction | ---- | 2060 mg/kg | 130 | 52.0 | 132 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 7219187)** | | | | | | | |
| ES2605456-001 | Anonymous | EP080: C6 - C9 Fraction | ---- | 65 mg/kg | 80.6 | 60.4 | 142 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7213881)** | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP071: >C10 - C16 Fraction | ---- | 860 mg/kg | 117 | 73.0 | 137 |

Sub-Matrix: **SOIL**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Matrix Spike (MS) Report: Spike Concentration | Matrix Spike (MS) Report: SpikeRecovery(%) MS | Matrix Spike (MS) Report: Acceptable Limits (%) Low | Matrix Spike (MS) Report: Acceptable Limits (%) High |
|---|---|---|---|---|---|---|---|
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7213881) - continued** | | | | | | | |
| EW2600934-001 | EA2/TP1-0.1 | EP071: >C16 - C34 Fraction | ---- | 4320 mg/kg | 127 | 53.0 | 131 |
| | | EP071: >C34 - C40 Fraction | ---- | 890 mg/kg | 112 | 52.0 | 132 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7219187)** | | | | | | | |
| ES2605456-001 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 75 mg/kg | 83.0 | 61.1 | 142 |
| **EP080: BTEXN (QCLot: 7219187)** | | | | | | | |
| ES2605456-001 | Anonymous | EP080: Benzene | 71-43-2 | 5 mg/kg | 104 | 62.1 | 122 |
| | | EP080: Toluene | 108-88-3 | 5 mg/kg | 88.0 | 66.6 | 119 |
| | | EP080: Ethylbenzene | 100-41-4 | 5 mg/kg | 99.5 | 67.4 | 123 |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 5 mg/kg | 98.3 | 66.4 | 121 |
| | | EP080: ortho-Xylene | 95-47-6 | 5 mg/kg | 101 | 70.7 | 121 |
| | | EP080: Naphthalene | 91-20-3 | 5 mg/kg | 83.6 | 61.1 | 115 |

Sub-Matrix: **WATER**

| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Matrix Spike (MS) Report: Spike Concentration | Matrix Spike (MS) Report: SpikeRecovery(%) MS | Matrix Spike (MS) Report: Acceptable Limits (%) Low | Matrix Spike (MS) Report: Acceptable Limits (%) High |
|---|---|---|---|---|---|---|---|
| **EG020T: Total Metals by ICP-MS (QCLot: 7217889)** | | | | | | | |
| ES2605558-003 | Anonymous | EG020A-T: Arsenic | 7440-38-2 | 1 mg/L | 92.1 | 70.0 | 130 |
| | | EG020A-T: Cadmium | 7440-43-9 | 0.25 mg/L | 93.3 | 70.0 | 130 |
| | | EG020A-T: Chromium | 7440-47-3 | 1 mg/L | 91.3 | 70.0 | 130 |
| | | EG020A-T: Copper | 7440-50-8 | 1 mg/L | 96.6 | 70.0 | 130 |
| | | EG020A-T: Lead | 7439-92-1 | 1 mg/L | 92.9 | 70.0 | 130 |
| | | EG020A-T: Nickel | 7440-02-0 | 1 mg/L | 92.1 | 70.0 | 130 |
| | | EG020A-T: Zinc | 7440-66-6 | 1 mg/L | 92.7 | 70.0 | 130 |
| **EG035T: Total Recoverable Mercury by FIMS (QCLot: 7217891)** | | | | | | | |
| ES2605099-001 | Anonymous | EG035T: Mercury | 7439-97-6 | 0.01 mg/L | 80.3 | 70.0 | 130 |
| **EP080/071: Total Petroleum Hydrocarbons (QCLot: 7214222)** | | | | | | | |
| CA2600853-011 | Anonymous | EP080: C6 - C9 Fraction | ---- | 325 µg/L | 96.7 | 70.0 | 130 |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7214222)** | | | | | | | |
| CA2600853-011 | Anonymous | EP080: C6 - C10 Fraction | C6_C10 | 375 µg/L | 99.0 | 70.0 | 130 |
| **EP080: BTEXN (QCLot: 7214222)** | | | | | | | |
| CA2600853-011 | Anonymous | EP080: Benzene | 71-43-2 | 25 µg/L | 89.2 | 70.0 | 130 |
| | | EP080: Toluene | 108-88-3 | 25 µg/L | 96.6 | 70.0 | 130 |
| | | EP080: Ethylbenzene | 100-41-4 | 25 µg/L | 111 | 70.0 | 130 |
| | | EP080: meta- & para-Xylene | 108-38-3<br>106-42-3 | 25 µg/L | 112 | 70.0 | 130 |
| | | EP080: ortho-Xylene | 95-47-6 | 25 µg/L | 113 | 70.0 | 130 |

Sub-Matrix: **WATER**

| | | | | Matrix Spike (MS) Report | | | |
|---|---|---|---|---|---|---|---|
| | | | | Spike | SpikeRecovery(%) | Acceptable Limits (%) | |
| Laboratory sample ID | Sample ID | Method: Compound | CAS Number | Concentration | MS | Low | High |
| **EP080: BTEXN (QCLot: 7214222) - continued** | | | | | | | |
| CA2600853-011 | Anonymous | EP080: Naphthalene | 91-20-3 | 25 µg/L | 101 | 70.0 | 130 |

# QA/QC Compliance Assessment to assist with Quality Review

| | | | |
|---|---|---|---|
| **Work Order** | : **EW2600934** | Page | : 1 of 10 |
| Client | : **ENVIRONMENT & NATURAL RESOURCE SOLUTIONS** | Laboratory | : Environmental Division NSW South Coast |
| Contact | : LAB ENRS | Telephone | : 02 42253125 |
| Project | : ENRS3413 | Date Samples Received | : 19-Feb-2026 |
| Site | : Pipeline Rev2 DSI | Issue Date | : 25-Feb-2026 |
| Sampler | : Client- CA | No. of samples received | : 23 |
| Order number | : ENRS3413 | No. of samples analysed | : 17 |

**This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.**

Brief method summaries and references are also provided to assist in traceability.

## *Summary of Outliers*

### *Outliers : Quality Control Samples*

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

### *Outliers : Analysis Holding Time Compliance*

- **NO Analysis Holding Time Outliers exist.**

### *Outliers : Frequency of Quality Control Samples*

- **Quality Control Sample Frequency Outliers exist - please see following pages for full details.**

## Outliers : Quality Control Samples

*Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes*

Matrix: **SOIL**

| Compound Group Name | Laboratory Sample ID | Client Sample ID | Analyte | CAS Number | Data | Limits | Comment |
|---|---|---|---|---|---|---|---|
| **Matrix Spike (MS) Recoveries** | | | | | | | |
| EG005(ED093)T: Total Metals by ICP-AES | ES2605493--003 | Anonymous | **Zinc** | 7440-66-6 | 397 % | 66.0-133% | **Recovery greater than upper data quality objective** |

## Outliers : Frequency of Quality Control Samples

Matrix: **WATER**

| Quality Control Sample Type | | Count | | Rate (%) | | Quality Control Specification |
|---|---|---|---|---|---|---|
| Analytical Methods | Method | QC | Regular | Actual | Expected | |
| Laboratory Duplicates (DUP) | | | | | | |
| PAH/Phenols (GC/MS - SIM) | EP075(SIM) | 0 | 7 | 0.00 | 10.00 | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 0 | 10 | 0.00 | 10.00 | NEPM 2013 B3 & ALS QC Standard |
| Matrix Spikes (MS) | | | | | | |
| PAH/Phenols (GC/MS - SIM) | EP075(SIM) | 0 | 7 | 0.00 | 5.00 | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 0 | 10 | 0.00 | 5.00 | NEPM 2013 B3 & ALS QC Standard |

# Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EA055: Moisture Content (Dried @ 105-110°C)** | | | | | | | | |
| **Soil Glass Jar - Unpreserved (EA055)** | | | | | | | | |
| EA2/TP1-0.1, | EA2/TP1-0.5, | **18-Feb-2026** | **----** | ---- | ---- | **23-Feb-2026** | 04-Mar-2026 | ✓ |
| EA2/TP2-0.1, | EA2/TP3-0.1, | | | | | | | |
| EA2/TP4-0.1, | EA2/TP4-0.5, | | | | | | | |
| EA2/TP5-0.1, | EA2/TP6-0.1, | | | | | | | |
| EA2/TP7-0.1, | EA2/TP7-0.5, | | | | | | | |
| EA2/TP8-0.1, | EA2/TP8-0.6, | | | | | | | |
| EA2/DUP 4 | | | | | | | | |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EG005(ED093)T: Total Metals by ICP-AES** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EG005T)** | | | | | | | |
| EA2/TP1-0.1, EA2/TP1-0.5, EA2/TP2-0.1, EA2/TP3-0.1, EA2/TP4-0.1, EA2/TP4-0.5, EA2/TP5-0.1, EA2/TP6-0.1, EA2/TP7-0.1, EA2/TP7-0.5, EA2/TP8-0.1, EA2/TP8-0.6, EA2/DUP 4 | **18-Feb-2026** | **23-Feb-2026** | 17-Aug-2026 | ✓ | **24-Feb-2026** | 17-Aug-2026 | ✓ |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EG035T)** | | | | | | | |
| EA2/TP1-0.1, EA2/TP1-0.5, EA2/TP2-0.1, EA2/TP3-0.1, EA2/TP4-0.1, EA2/TP4-0.5, EA2/TP5-0.1, EA2/TP6-0.1, EA2/TP7-0.1, EA2/TP7-0.5, EA2/TP8-0.1, EA2/TP8-0.6, EA2/DUP 4 | **18-Feb-2026** | **23-Feb-2026** | 18-Mar-2026 | ✓ | **25-Feb-2026** | 18-Mar-2026 | ✓ |
| **EP066: Polychlorinated Biphenyls (PCB)** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP066)** | | | | | | | |
| EA2/TP1-0.1, EA2/TP5-0.1, EA2/TP8-0.1 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Apr-2026 | ✓ |
| **EP068A: Organochlorine Pesticides (OC)** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP068)** | | | | | | | |
| EA2/TP1-0.1, EA2/TP5-0.1, EA2/TP8-0.1 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Apr-2026 | ✓ |
| **EP068B: Organophosphorus Pesticides (OP)** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP068)** | | | | | | | |
| EA2/TP1-0.1, EA2/TP5-0.1, EA2/TP8-0.1 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Apr-2026 | ✓ |
| **EP075(SIM)A: Phenolic Compounds** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| EA2/TP1-0.1, EA2/TP5-0.1, EA2/TP8-0.1 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Apr-2026 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP075(SIM))** | | | | | | | |
| EA2/TP1-0.1, EA2/TP1-0.5, EA2/TP2-0.1, EA2/TP3-0.1, EA2/TP4-0.1, EA2/TP4-0.5, EA2/TP5-0.1, EA2/TP6-0.1, EA2/TP7-0.1, EA2/TP7-0.5, EA2/TP8-0.1, EA2/TP8-0.6, EA2/DUP 4 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Apr-2026 | ✓ |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP071)** | | | | | | | |
| EA2/TP1-0.1, EA2/TP1-0.5, EA2/TP2-0.1, EA2/TP3-0.1, EA2/TP4-0.1, EA2/TP4-0.5, EA2/TP5-0.1, EA2/TP6-0.1 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Apr-2026 | ✓ |
| **Soil Glass Jar - Unpreserved (EP071)** | | | | | | | |
| EA2/TP7-0.1, EA2/TP7-0.5, EA2/TP8-0.1, EA2/TP8-0.6, EA2/DUP 4 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **25-Feb-2026** | 04-Apr-2026 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| EA2/TP1-0.1, EA2/TP1-0.5, EA2/TP2-0.1 | **18-Feb-2026** | **24-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Mar-2026 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)** | | | | | | | |
| EA2/TP3-0.1, EA2/TP4-0.1, EA2/TP4-0.5, EA2/TP5-0.1, EA2/TP6-0.1, EA2/TP7-0.1, EA2/TP7-0.5, EA2/TP8-0.1, EA2/TP8-0.6, EA2/DUP 4, Trip Blank, Trip Spike, Control | **18-Feb-2026** | **24-Feb-2026** | 04-Mar-2026 | ✓ | **25-Feb-2026** | 04-Mar-2026 | ✓ |

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP071)**<br>EA2/TP1-0.1, EA2/TP1-0.5, EA2/TP2-0.1, EA2/TP3-0.1, EA2/TP4-0.1, EA2/TP4-0.5, EA2/TP5-0.1, EA2/TP6-0.1 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Apr-2026 | ✓ |
| **Soil Glass Jar - Unpreserved (EP071)**<br>EA2/TP7-0.1, EA2/TP7-0.5, EA2/TP8-0.1, EA2/TP8-0.6, EA2/DUP 4 | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **25-Feb-2026** | 04-Apr-2026 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)**<br>EA2/TP1-0.1, EA2/TP1-0.5, EA2/TP2-0.1 | **18-Feb-2026** | **24-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Mar-2026 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)**<br>EA2/TP3-0.1, EA2/TP4-0.1, EA2/TP4-0.5, EA2/TP5-0.1, EA2/TP6-0.1, EA2/TP7-0.1, EA2/TP7-0.5, EA2/TP8-0.1, EA2/TP8-0.6, EA2/DUP 4, Trip Blank, Trip Spike, Control | **18-Feb-2026** | **24-Feb-2026** | 04-Mar-2026 | ✓ | **25-Feb-2026** | 04-Mar-2026 | ✓ |
| **EP080: BTEXN** | | | | | | | |
| **Soil Glass Jar - Unpreserved (EP080)**<br>EA2/TP1-0.1, EA2/TP1-0.5, EA2/TP2-0.1 | **18-Feb-2026** | **24-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Mar-2026 | ✓ |
| **Soil Glass Jar - Unpreserved (EP080)**<br>EA2/TP3-0.1, EA2/TP4-0.1, EA2/TP4-0.5, EA2/TP5-0.1, EA2/TP6-0.1, EA2/TP7-0.1, EA2/TP7-0.5, EA2/TP8-0.1, EA2/TP8-0.6, EA2/DUP 4, Trip Blank, Trip Spike, Control | **18-Feb-2026** | **24-Feb-2026** | 04-Mar-2026 | ✓ | **25-Feb-2026** | 04-Mar-2026 | ✓ |

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EG020T: Total Metals by ICP-MS** | | | | | | | |
| **Clear Plastic Bottle - Nitric Acid; Unfiltered (EG020A-T)**<br>Rinse | **18-Feb-2026** | **23-Feb-2026** | 17-Aug-2026 | ✓ | **23-Feb-2026** | 17-Aug-2026 | ✓ |
| **EG035T: Total Recoverable Mercury by FIMS** | | | | | | | |
| **Clear Plastic Bottle - Nitric Acid; Unfiltered (EG035T)**<br>Rinse | **18-Feb-2026** | **----** | ---- | ---- | **25-Feb-2026** | 18-Mar-2026 | ✓ |

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

| Method / Container / Client Sample ID(s) | Sample Date | Extraction / Preparation | | | Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Date extracted | Due for extraction | Evaluation | Date analysed | Due for analysis | Evaluation |
| **EP075(SIM)B: Polynuclear Aromatic Hydrocarbons** | | | | | | | |
| **Amber Glass Bottle - Unpreserved (EP075(SIM))** Rinse | **18-Feb-2026** | **20-Feb-2026** | 25-Feb-2026 | ✓ | **20-Feb-2026** | 01-Apr-2026 | ✓ |
| **EP080/071: Total Petroleum Hydrocarbons** | | | | | | | |
| **Amber Glass Bottle - Unpreserved (EP071)** Rinse | **18-Feb-2026** | **20-Feb-2026** | 25-Feb-2026 | ✓ | **23-Feb-2026** | 01-Apr-2026 | ✓ |
| **Amber VOC Vial - Sulfuric Acid (EP080)** Rinse | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Mar-2026 | ✓ |
| **EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions** | | | | | | | |
| **Amber Glass Bottle - Unpreserved (EP071)** Rinse | **18-Feb-2026** | **20-Feb-2026** | 25-Feb-2026 | ✓ | **23-Feb-2026** | 01-Apr-2026 | ✓ |
| **Amber VOC Vial - Sulfuric Acid (EP080)** Rinse | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Mar-2026 | ✓ |
| **EP080: BTEXN** | | | | | | | |
| **Amber VOC Vial - Sulfuric Acid (EP080)** Rinse | **18-Feb-2026** | **23-Feb-2026** | 04-Mar-2026 | ✓ | **24-Feb-2026** | 04-Mar-2026 | ✓ |

# Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

| Quality Control Sample Type | | Count | | Rate (%) | | | Quality Control Specification |
|---|---|---|---|---|---|---|---|
| *Analytical Methods* | *Method* | *QC* | *Regular* | ***Actual*** | ***Expected*** | *Evaluation* | |
| **Laboratory Duplicates (DUP)** | | | | | | | |
| Moisture Content | EA055 | 2 | 16 | **12.50** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| PAH/Phenols (SIM) | EP075(SIM) | 2 | 18 | **11.11** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Pesticides by GCMS | EP068 | 1 | 8 | **12.50** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Polychlorinated Biphenyls (PCB) | EP066 | 1 | 7 | **14.29** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 2 | 19 | **10.53** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-AES | EG005T | 2 | 20 | **10.00** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 2 | 18 | **11.11** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 2 | 20 | **10.00** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| **Laboratory Control Samples (LCS)** | | | | | | | |
| PAH/Phenols (SIM) | EP075(SIM) | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Pesticides by GCMS | EP068 | 1 | 8 | **12.50** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Polychlorinated Biphenyls (PCB) | EP066 | 1 | 7 | **14.29** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 1 | 19 | **5.26** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-AES | EG005T | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| **Method Blanks (MB)** | | | | | | | |
| PAH/Phenols (SIM) | EP075(SIM) | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Pesticides by GCMS | EP068 | 1 | 8 | **12.50** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Polychlorinated Biphenyls (PCB) | EP066 | 1 | 7 | **14.29** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 1 | 19 | **5.26** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-AES | EG005T | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| **Matrix Spikes (MS)** | | | | | | | |
| PAH/Phenols (SIM) | EP075(SIM) | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Pesticides by GCMS | EP068 | 1 | 8 | **12.50** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Polychlorinated Biphenyls (PCB) | EP066 | 1 | 7 | **14.29** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 1 | 19 | **5.26** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-AES | EG005T | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

| Quality Control Sample Type | | Count | | Rate (%) | | | Quality Control Specification |
|---|---|---|---|---|---|---|---|
| *Analytical Methods* | *Method* | *QC* | *Regular* | ***Actual*** | ***Expected*** | *Evaluation* | |

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

| Quality Control Sample Type | | Count | | Rate (%) | | | Quality Control Specification |
|---|---|---|---|---|---|---|---|
| *Analytical Methods* | *Method* | *QC* | *Regular* | ***Actual*** | ***Expected*** | *Evaluation* | |
| Laboratory Duplicates (DUP) | | | | | | | |
| PAH/Phenols (GC/MS - SIM) | EP075(SIM) | 0 | 7 | **0.00** | **10.00** | × | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 2 | 18 | **11.11** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-MS - Suite A | EG020A-T | 2 | 16 | **12.50** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 0 | 10 | **0.00** | **10.00** | × | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 2 | 20 | **10.00** | **10.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Laboratory Control Samples (LCS) | | | | | | | |
| PAH/Phenols (GC/MS - SIM) | EP075(SIM) | 1 | 7 | **14.29** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-MS - Suite A | EG020A-T | 1 | 16 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 1 | 10 | **10.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Method Blanks (MB) | | | | | | | |
| PAH/Phenols (GC/MS - SIM) | EP075(SIM) | 1 | 7 | **14.29** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-MS - Suite A | EG020A-T | 1 | 16 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 1 | 10 | **10.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Matrix Spikes (MS) | | | | | | | |
| PAH/Phenols (GC/MS - SIM) | EP075(SIM) | 0 | 7 | **0.00** | **5.00** | × | NEPM 2013 B3 & ALS QC Standard |
| Total Mercury by FIMS | EG035T | 1 | 18 | **5.56** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| Total Metals by ICP-MS - Suite A | EG020A-T | 1 | 16 | **6.25** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |
| TRH - Semivolatile Fraction | EP071 | 0 | 10 | **0.00** | **5.00** | × | NEPM 2013 B3 & ALS QC Standard |
| TRH Volatiles/BTEX | EP080 | 1 | 20 | **5.00** | **5.00** | ✓ | NEPM 2013 B3 & ALS QC Standard |

## Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

| Analytical Methods | Method | Matrix | Method Descriptions |
|---|---|---|---|
| Moisture Content | EA055 | SOIL | In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3). |
| Total Metals by ICP-AES | EG005T | SOIL | In house: Referenced to APHA 3120; USEPA SW 846 - 6010. Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM Schedule B(3) |
| Total Mercury by FIMS | EG035T | SOIL | In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2) (Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3) |
| Polychlorinated Biphenyls (PCB) | EP066 | SOIL | In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3). |
| Pesticides by GCMS | EP068 | SOIL | In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM Schedule B(3). |
| TRH - Semivolatile Fraction | EP071 | SOIL | In house: Referenced to USEPA SW 846 - 8015 Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C40. Compliant with NEPM Schedule B(3). |
| PAH/Phenols (SIM) | EP075(SIM) | SOIL | In house: Referenced to USEPA SW 846 - 8270. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3) |
| TRH Volatiles/BTEX | EP080 | SOIL | In house: Referenced to USEPA SW 846 - 8260. Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. Compliant with NEPM Schedule B(3) amended. |
| Total Metals by ICP-MS - Suite A | EG020A-T | WATER | In house: Referenced to APHA 3125; USEPA SW846 - 6020, ALS QWI-EN/EG020. The ICPMS technique utilizes a highly efficient argon plasma to ionize selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector. |
| Total Mercury by FIMS | EG035T | WATER | In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. A bromate/bromide reagent is used to oxidise any organic mercury compounds in the unfiltered sample. The ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3). |
| TRH - Semivolatile Fraction | EP071 | WATER | In house: Referenced to USEPA SW 846 - 8015 The sample extract is analysed by Capillary GC/FID and quantification is by comparison against an established 5 point calibration curve of n-Alkane standards. This method is compliant with the QC requirements of NEPM Schedule B(3) |

| Analytical Methods | Method | Matrix | Method Descriptions |
|---|---|---|---|
| PAH/Phenols (GC/MS - SIM) | EP075(SIM) | WATER | In house: Referenced to USEPA SW 846 - 8270 Sample extracts are analysed by Capillary GC/MS in SIM Mode and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3) |
| TRH Volatiles/BTEX | EP080 | WATER | In house: Referenced to USEPA SW 846 - 8260 Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. Alternatively, a sample is equilibrated in a headspace vial and a portion of the headspace determined by GCMS analysis. This method is compliant with the QC requirements of NEPM Schedule B(3) |

| Preparation Methods | Method | Matrix | Method Descriptions |
|---|---|---|---|
| Hot Block Digest for metals in soils sediments and sludges | EN69 | SOIL | In house: Referenced to USEPA 200.2. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM Schedule B(3). |
| Methanolic Extraction of Soils for Purge and Trap | ORG16 | SOIL | In house: Referenced to USEPA SW 846 - 5030A. 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS. |
| Tumbler Extraction of Solids | ORG17 | SOIL | In house: Mechanical agitation (tumbler). 10g of sample, Na2SO4 and surrogate are extracted with 30mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis. |
| Digestion for Total Recoverable Metals | EN25 | WATER | In house: Referenced to USEPA SW846-3005. Method 3005 is a Nitric/Hydrochloric acid digestion procedure used to prepare surface and ground water samples for analysis by ICPAES or ICPMS. This method is compliant with NEPM Schedule B(3) |
| Separatory Funnel Extraction of Liquids | ORG14 | WATER | In house: Referenced to USEPA SW 846 - 3510 100 mL to 1L of sample is transferred to a separatory funnel and serially extracted three times using DCM for each extract. The resultant extracts are combined, dehydrated and concentrated for analysis. This method is compliant with NEPM Schedule B(3) . ALS default excludes sediment which may be resident in the container. |
| Volatiles Water Preparation | ORG16-W | WATER | A 5 mL aliquot or 5 mL of a diluted sample is added to a 40 mL VOC vial for purging. |

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# SAMPLE RECEIPT ADVICE

## Client Details

| | |
|---|---|
| **Client** | ENRS |
| **Attention** | Lab Results |

## Sample Login Details

| | |
|---|---|
| **Your reference** | ENRS3413, Pipeline Rev2 DSI |
| **Envirolab Reference** | 402541 |
| **Date Sample Received** | 20/02/2026 |
| **Date Instructions Received** | 20/02/2026 |
| **Date Results Expected to be Reported** | 27/02/2026 |

## Sample Condition

| | |
|---|---|
| **Samples received in appropriate condition for analysis** | Yes |
| **No. of Samples Provided** | 1 Soil |
| **Turnaround Time Requested** | Standard |
| **Temperature on Receipt (°C)** | 10 |
| **Cooling Method** | Ice Pack |
| **Sampling Date Provided** | YES |

## Comments

Nil

Please direct any queries to:



| Aileen Hie | Jacinta Hurst |
|---|---|
| **Phone: 02 9910 6200** | **Phone: 02 9910 6200** |
| **Fax: 02 9910 6201** | **Fax: 02 9910 6201** |
| **Email: ahie@envirolab.com.au** | **Email: jhurst@envirolab.com.au** |



*Analysis Underway, details on the following page:*

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| Sample ID | vTRH(C6-C10)/BTEXN in Soil | svTRH (C10-C40) in Soil | PAHs in Soil | Acid Extractable metals in soil |
|---|---|---|---|---|
| EA2/TRIP 4 | ✓ | ✓ | ✓ | ✓ |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

## Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

We acknowledge receipt of your samples and Purchase Order (PO) (if provided). If a PO includes your terms & conditions, Envirolab hereby expressly rejects and will not be bound by any external or third-party terms and conditions, including those referenced or attached to a PO.

All services to be performed by Envirolab will be governed exclusively by Envirolab's General Terms and Conditions attached to this acknowledgement ( Envirolab Terms ) via hyperlink or found on our websites.

If you do not object in writing within two (2) business days of the date of this acknowledgement, you will be deemed to have accepted the Envirolab Terms. In addition, your provision of further instructions, additional samples, payment of any invoice, or acceptance of services or results from Envirolab will constitute acceptance of the Envirolab Terms. For clarity, Envirolab's commencement or continuation of work following receipt of the PO is performed solely under the Envirolab Terms and does not constitute acceptance of any external terms. All rights are expressly reserved.

# Appendix D:

# Test Pit & Borehole Logs

ENRS
ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP1

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283265E | **LENGTH/WIDTH:** | 1.2 x 2.0 m |
| **NORTHING:** | 6141011N | **DEPTH:** | 0.7 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Topsoil - silty sand with grass and rootlets | | | A1/TP1 - 0.2 | A1/TP1 - 0.2 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.7: Sandy clay, brown | | | | A1/TP1 - 0.6 |
| 0.30 | | | | | |
| 0.40 | | | | | |
| 0.50 | | | | | |
| 0.60 | | | | | |
| 0.70 | 0.7: Test pit terminated in natural ground | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP2

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283281E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6141013N | **DEPTH:** | 0.7 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Topsoil - silty sand with grass and rootlets | | | A1/TP2 - 0.2 | A1/TP2 - 0.2 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.7: Sandy clay, brown | | | | A1/TP2 - 0.6 |
| 0.30 | | | | | |
| 0.40 | | | | | |
| 0.50 | | | | | |
| 0.60 | | | | | |
| 0.70 | 0.7: Test pit terminated in natural ground | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP3

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283309E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6141017N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP3 - 0.2 | A1/TP3 - 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP3 - 0.5 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP4

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283340E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6141022N | **DEPTH:** | 0.7 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Fill (Fly ash? Coal wash? Dark gravel with white specks) | | 0.7 ppm | A1/TP4 - 0.1 | A1/TP4 - 0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.5: Topsoil - silty sand with grass and rootlets | | 0 | A1/TP4 - 0.3 | A1/TP4 - 0.3 |
| 0.30 | | | | | |
| 0.40 | | | | | |
| 0.50 | 0.5 - 0.7: Sandy clay, brown | | | | |
| 0.60 | | | | | |
| 0.70 | 0.7: Test pit terminated in natural ground | | 0 | | A1/TP4 - 0.7 |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP5

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283366E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6141024N | **DEPTH:** | 0.7 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Fill (Fly ash/coal wash, dark blue/grey gravel with white specks) | | 0.5 ppm | A1/TP5 - 0.1 | A1/TP5 - 0.1<br>Dup 1<br>Trip 1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.4: Topsoil - silty sand with grass and rootlets | | 0 | A1/TP5 - 0.3 | A1/TP5 - 0.3 |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.7: Sandy clay, brown | | | | A1/TP5 - 0.6 |
| 0.50 | | | | | |
| 0.60 | | | | | |
| 0.70 | 0.7: Test pit terminated in natural ground | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP6

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283264E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6140988N | **DEPTH:** | 0.7 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.3: Topsoil - silty sand with grass and rootlets | | | A1/TP6 - 0.2 | A1/TP6 - 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | 0.3 - 0.7: Sandy clay, brown | | | | A1/TP6 - 0.6 |
| 0.40 | | | | | |
| 0.50 | | | | | |
| 0.60 | | | | | |
| 0.70 | 0.7: Test pit terminated in natural ground | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP7

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283287E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6140993N | **DEPTH:** | 0.7 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP7 - 0.2 | A1/TP7 - 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.7: Sandy clay, brown | | | | A1/TP7 - 0.6 |
| 0.50 | | | | | |
| 0.60 | | | | | |
| 0.70 | 0.7: Test pit terminated in natural ground | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

# TP ID: A1/TP8

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283313E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6140999N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP8 - 0.2 | A1/TP8 - 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP8 - 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP9

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283341E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6141006N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Fill (Fly ash/coal wash, dark blue/grey gravel with white specks) | | 0.4 ppm | A1/TP9- 0.1 | A1/TP9- 0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.4: Topsoil - silty sand with grass and rootlets | | 0 | A1/TP9- 0.3 | A1/TP9- 0.3 |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP9- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP10

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283365E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6141008N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Fill (Fly ash/coal wash, dark blue/grey gravel with white specks) | | 0 ppm | A1/TP10- 0.1 | A1/TP10- 0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.4: Topsoil - silty sand with grass and rootlets | | 0pmm | A1/TP10- 0.3 | A1/TP10- 0.3 |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP10- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP11

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283261E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6140973N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP11- 0.2 | A1/TP11- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP11- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP12

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283288E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6140970N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.3: Topsoil - silty sand with grass and rootlets | | | A1/TP12- 0.2 | A1/TP12- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | 0.3 - 0.6: Sandy clay, brown | | | | A1/TP12- 0.6 |
| 0.40 | | | | | |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP13

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283318E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6140982N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.3: Topsoil - silty sand with grass and rootlets | | | A1/TP13- 0.2 | A1/TP13- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | 0.3 - 0.6: Sandy clay, brown | | | | A1/TP13- 0.6 |
| 0.40 | | | | | |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP14

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283345E | **LENGTH/WIDTH:** | 1.2 x 1.2 m |
| **NORTHING:** | 6140985N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.3: Fill (Fly ash/coal wash) | | 0.1 ppm | A1/TP14- 0.1 | A1/TP14- 0.1 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | 0.3 - 0.6: Topsoil - silty sand with grass and rootlets | | 0 ppm | A1/TP14- 0.4 | A1/TP14- 0.4 |
| 0.40 | | | | | |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | A1/TP14- 0.6 |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP15

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283366E | **LENGTH/WIDTH:** | 1.2 x 1.4 m |
| **NORTHING:** | 6140987N | **DEPTH:** | 0.8 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.3: Fill (Gravelly fly ash, dark brown/dark grey) | | 0 ppm | A1/TP15- 0.1 | A1/TP15- 0.1 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | 0.3 - 0.5: Fill (fly ash, blue) | | 0 | A1/TP15- 0.4 | A1/TP15- 0.4<br>Dup 2<br>Trip 2 |
| 0.40 | | | | | |
| 0.50 | 0.5 - 0.8: Sandy clay, brown | | | | A1/TP15- 0.5 |
| 0.60 | | | | | |
| 0.70 | | | | | |
| 0.80 | 0.8: Test pit terminated in natural ground | | | | A1/TP15- 0.8 |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP16

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283258E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6140953N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP16- 0.2 | A1/TP16- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP16- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP17

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283287E | **LENGTH/WIDTH:** | 1.2 x 1.6 m |
| **NORTHING:** | 6140953N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP17- 0.2 | A1/TP17- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP17- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP18

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283318E | **LENGTH/WIDTH:** | 1.2 x 1.8 m |
| **NORTHING:** | 6140959N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP18- 0.2 | A1/TP18- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP18- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP19

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283344E | **LENGTH/WIDTH:** | 1.2 x 1.6 m |
| **NORTHING:** | 6140962N | **DEPTH:** | 0.7 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Fill (fly ash, blue/grey) | | 0 ppm | A1/TP19- 0.1 | A1/TP19- 0.1 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.7: Sandy clay, brown | | 0 | A1/TP19- 0.5 | A1/TP19- 0.5 |
| 0.50 | | | | | |
| 0.60 | | | | | |
| 0.70 | 0.7: Test pit terminated in natural ground | | | | A1/TP19- 0.7 |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP20

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283365E | **LENGTH/WIDTH:** | 1.2 x 1.6 m |
| **NORTHING:** | 6140965N | **DEPTH:** | 0.9 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.1: Fill, brown (silty sand with some gravel) | | 0ppm | A1/TP20- 0.1 | A1/TP20- 0.1 |
| 0.10 | 0.1 - 0.5: Fill (fly ash, blue) | | 0ppm | A1/TP20- 0.4 | A1/TP20- 0.4 |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | | | | | |
| 0.50 | 0.5 - 0.9: Sandy clay, brown | | | | |
| 0.60 | | | | | |
| 0.70 | | | | | A1/TP20- 0.9 |
| 0.80 | | | | | |
| 0.90 | 0.9: Test pit terminated in natural ground | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP21

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283254E | **LENGTH/WIDTH:** | 1.2 x 1.6 m |
| **NORTHING:** | 6140936N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP21- 0.2 | A1/TP21- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP21- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP22

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283286E | **LENGTH/WIDTH:** | 1.2 x 1.6 m |
| **NORTHING:** | 6140937N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP22- 0.2 | A1/TP22- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP22- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP23

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283320E | **LENGTH/WIDTH:** | 1.2 x 1.6 m |
| **NORTHING:** | 6140941N | **DEPTH:** | 0.6 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.4: Topsoil - silty sand with grass and rootlets | | | A1/TP23- 0.2 | A1/TP23- 0.2 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.6: Sandy clay, brown | | | | A1/TP23- 0.6 |
| 0.50 | | | | | |
| 0.60 | 0.6: Test pit terminated in natural ground | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

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Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP24

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283345E | **LENGTH/WIDTH:** | 1.2 x 1.6 m |
| **NORTHING:** | 6140944N | **DEPTH:** | 0.7 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Fill (fly ash, dark brown/grey) | | 0 ppm | A1/TP24- 0.1 | A1/TP24- 0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2- 0.5: Topsoil - silty sand with grass and rootlets | | 0 | A1/TP24- 0.3 | A1/TP24- 0.3 |
| 0.30 | | | | | |
| 0.40 | | | | | |
| 0.50 | 0.5 - 0.7: Sandy clay, brown | | | | |
| 0.60 | | | | | A1/TP24- 0.6 |
| 0.70 | 0.7: Test pit terminated in natural ground | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: A1/TP25

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 13/08/2025 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283365E | **LENGTH/WIDTH:** | 1.2 x 1.6 m |
| **NORTHING:** | 6140947N | **DEPTH:** | 0.9 m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.25: Fill (sandy clay with gravel/ash) | | 0 ppm | A1/TP25- 0.1 | A1/TP25- 0.1 |
| 0.10 | | | | | |
| 0.20 | 0.25 - 0.5: Fill (fly ash, dark brown/grey) | | 0 ppm | A1/TP25- 0.4 | A1/TP25- 0.4 |
| 0.30 | | | | | |
| 0.40 | | | | | |
| 0.50 | 0.5 - 0.7: Sandy clay, brown | | | | A1/TP25- 0.6 |
| 0.60 | | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | 0.9: Test pit terminated in natural ground | | | | A1/TP25- 0.9 |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

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Mechanical Tests were not performed unless otherwise stated

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 JERRY BAILEY ROAD ABN: 68 600 154 596
SHOALHAVEN HEADS NSW 2535

# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: EA2/TP1

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 18/02/2026 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283195 | **LENGTH/WIDTH:** | 1.8 x 0.45 |
| **NORTHING:** | 6141017 | **DEPTH:** | 1.5m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.3: Topsoil - silty sand with grass and rootlets. Surface water ponding present | Saturated | 0 | EA2/TP1-0.1 | EA2/TP1-0.1 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | 0.3 - 0.9: Silty loam, brown. | Moist | | | |
| 0.40 | | | | | |
| 0.50 | | | 0 | - | EA2/TP1 - 0.5 |
| 0.60 | | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | 0.9 - 1.2: Clayey SAND, grey w/ some yellow mottles. | Saturated | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | 1.2 - 1.5: Clayey SAND, grey w/ red mottles. | Moist | 0 | - | EA2/TP1 - 1.5 |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | 1.5m: TP terminated in natural ground. Target depth reached | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 JERRY BAILEY ROAD ABN: 68 600 154 596
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# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: EA2/TP2

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 18/02/2026 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283095 | **LENGTH/WIDTH:** | 1.8 x 0.45 |
| **NORTHING:** | 6140988 | **DEPTH:** | 1.4m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.3: Topsoil - silty sand with grass and rootlets. | Moist | 0 | EA2/TP2-0.1 | EA2/TP2-0.1 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | 0.3 - 0.6: Clayey SILT, brown. | | | | |
| 0.40 | | | | | |
| 0.50 | | Dry | 0 | - | EA2/TP2 - 0.5 |
| 0.60 | 0.6 - 1.4: Sandy CLAY, brown - grey becoming mottled brown-red-grey. | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | 1.4m: TP terminated in natural ground. Target depth reached | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

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SHOALHAVEN HEADS NSW 2535

# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: EA2/TP3

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 18/02/2026 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 283037 | **LENGTH/WIDTH:** | 1.8 x 0.45 |
| **NORTHING:** | 6140978 | **DEPTH:** | 1.4m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Topsoil - silty sand with grass and rootlets. | Dry | 0 | EA2/TP3-0.1 | EA2/TP3-0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.4: Clayey Silty SAND, dark brown. | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 1.3: Sandy CLAY, mottled tan - brown - grey. | | | | |
| 0.50 | | Dry | 0 | - | EA2/TP3 - 0.5 |
| 0.60 | | | | | |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | 1.3 - 1.4: Sandy CLAY, mottled grey - red. | | | - | - |
| 1.40 | 1.4m: TP terminated in natural ground. Target depth reached | | | - | - |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 JERRY BAILEY ROAD ABN: 68 600 154 596
SHOALHAVEN HEADS NSW 2535

# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: EA2/TP4

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 18/02/2026 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 282956 | **LENGTH/WIDTH:** | 1.8 x 0.45 |
| **NORTHING:** | 6140936 | **DEPTH:** | 1.5m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Topsoil - silty sand, brown. | Dry | 0 | EA2/TP4-0.1 | EA2/TP4-0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.4: Clayey Silty SAND, dark brown. | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.8: Sandy CLAY, brown. | | | | |
| 0.50 | | Dry | 0 | - | EA2/TP4 - 0.5 |
| 0.60 | | | | | |
| 0.70 | | | | | |
| 0.80 | 0.8 - 1.2: Sandy CLAY, tan/mottled brown - orange. | | | - | - |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | 1.2 - 1.5: Sandy CLAY, mottled grey-red-tan. | | | - | - |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | 1.5m: TP terminated in natural ground. Target depth reached | | | - | - |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 JERRY BAILEY ROAD ABN: 68 600 154 596
SHOALHAVEN HEADS NSW 2535

# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: EA2/TP5

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 18/02/2026 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 282857 | **LENGTH/WIDTH:** | 1.8 x 0.45 |
| **NORTHING:** | 6140912 | **DEPTH:** | 1.5m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Topsoil - silty sand, brown. | Dry | 0 | EA2/TP5-0.1 | EA2/TP5-0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 1.1: Clayey Silty SAND, brown. | | | | |
| 0.30 | | | | | |
| 0.40 | | | | | |
| 0.50 | | Dry | 0 | - | EA2/TP5 - 0.5 |
| 0.60 | | | | | |
| 0.70 | | | | | |
| 0.80 | | | | - | - |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | 1.1 - 1.5: Sandy CLAY, mottled grey/yellow. | | | - | - |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | 1.5m: TP terminated in natural ground. Target depth reached | | | - | - |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 JERRY BAILEY ROAD ABN: 68 600 154 596
SHOALHAVEN HEADS NSW 2535

# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: EA2/TP6

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 18/02/2026 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 282782 | **LENGTH/WIDTH:** | 1.8 x 0.45 |
| **NORTHING:** | 6140866 | **DEPTH:** | 1.5m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Topsoil - silty sand, brown. | Dry | 0 | EA2/TP6-0.1 | EA2/TP6-0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 1.1: Clayey Silty SAND, brown. | | | | |
| 0.30 | | | | | |
| 0.40 | | | | | |
| 0.50 | | Dry | 0 | - | EA2/TP6 - 0.5 |
| 0.60 | | | | | |
| 0.70 | | | | | |
| 0.80 | | | | - | - |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | 1.1 - 1.5: Sandy CLAY, mottled grey/tan/brown | | | - | - |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | 1.5m: TP terminated in natural ground. Target depth reached | | | - | - |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 JERRY BAILEY ROAD ABN: 68 600 154 596
SHOALHAVEN HEADS NSW 2535

# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: EA2/TP7

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 18/02/2026 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 282565 | **LENGTH/WIDTH:** | 1.8 x 0.45 |
| **NORTHING:** | 6140768 | **DEPTH:** | 0.8m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.25: Topsoil - silty sand, brown w/ some gravel. | Dry | 0 | EA2/TP7-0.1 | EA2/TP7-0.1 |
| 0.10 | | | | | |
| 0.20 | | | | | |
| 0.30 | 0.25 - 0.8: Fill (potentially reworked natural ground) comprising Sandy CLAYS (brown-tan) w/ some gravel. | | | | |
| 0.40 | | | | | |
| 0.50 | | Dry | 0 | - | EA2/TP7 - 0.5 |
| 0.60 | | | | | |
| 0.70 | | | | | |
| 0.80 | 0.8m: TP terminated, TDR. Maximum depth of NDD trench reached. | | | | |
| 0.90 | | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 JERRY BAILEY ROAD ABN: 68 600 154 596
SHOALHAVEN HEADS NSW 2535

# ENVIRONMENTAL INVESTIGATION LOG

## TP ID: EA2/TP8

| | | | |
|---|---|---|---|
| **PROJECT No:** | ENRS3413 | **DATE:** | 18/02/2026 |
| **LOCATION:** | Bolong Rd, Bomaderry | **LOGGED BY:** | CA |
| **CLIENT:** | Babbage | **EXCAVATED BY:** | Contractor |
| **SURFACE RL:** | | **METHOD:** | 1.8T Excavator |
| **EASTING:** | 56H 282510 | **LENGTH/WIDTH:** | 1.8 x 0.45 |
| **NORTHING:** | 6140733 | **DEPTH:** | 1.2m |

| Depth (m) | (Interval m-m) Description (Soil TYPE, colour, consistency, grainsize, moisture, remarks) | Moisture | PID | Asbestos Sample | Lab Sample ID |
|---|---|---|---|---|---|
| 0.00 | 0 - 0.2: Topsoil - silty sand, brown w/ some gravel. | Dry | 0 | EA2/TP8-0.1 | EA2/TP8-0.1 |
| 0.10 | | | | | |
| 0.20 | 0.2 - 0.4 Fill (potentially reworked natural ground) comprising Sandy CLAYS (red-brown) w/ some gravel. | | | | |
| 0.30 | | | | | |
| 0.40 | 0.4 - 0.9: Silty SAND, brown. Reworked natural ground. | | | | |
| 0.50 | | | | | |
| 0.60 | | Dry | 0 | - | EA2/TP8 - 0.6<br>EA2/DUP04<br>EA2/TRIP04 |
| 0.70 | | | | | |
| 0.80 | | | | | |
| 0.90 | 0.9 - 1.2: Silty SAND, brown. Natural ground. | | | | |
| 1.00 | | | | | |
| 1.10 | | | | | |
| 1.20 | 1.2: TP terminated in natural ground. TDR. | | | | |
| 1.30 | | | | | |
| 1.40 | | | | | |
| 1.50 | | | | | |
| 1.60 | | | | | |
| 1.70 | | | | | |
| 1.80 | | | | | |
| 1.90 | | | | | |
| 2.00 | | | | | |

**Notes:**

Descriptions are based on observations and hand testing of grab samples.
Mechanical Tests were not performed unless otherwise stated

# Appendix E:

# Photographic Record of Site Conditions

Photograph 1:  CO2 Plant Area (Looking North)



Photograph 2:  CO2 Plant Area (Looking South)



Photograph 3:  Subsurface Soil Profiles within CO2 Plant (Natural)



Photograph 4:  Subsurface Soil Profiles within CO2 Plant (Fill Encountered)



Photograph 5:  Proposed Pipeline Route (Eastern End, Looking West)



Photograph 6:  Proposed Pipeline Route Subsurface Conditions (Eastern End)



Photograph 7:  Proposed Pipeline Route (Centre, Looking East)



Photograph 8:  Proposed Pipeline Route Subsurface Conditions (Centre)



Photograph 9:  Proposed Pipeline Route (Western End, Looking West)



Photograph 10:  Proposed Pipeline Route Subsurface Conditions (Western End)



# Appendix F:

# Dial Before You Dig Service Plans

Job ID 52094040

# ENRS3413.r2

Review responses online




Received 6 of 6 responses

**All responses received**

250 Bolong Road, Bolong NSW 2540

Job dates
25/01/2026 → 28/02/2026

These plans expire on
10 Feb 2026

Lodged by
Christopher Allen

| Authority | Status | Page |
|---|---|---|
| BYDA Confirmation | | 2 |
| Endeavour Energy | Received | 4 |
| Evoenergy Gas Network Nowra | Received | 15 |
| NBN Co NswAct | Received | 30 |
| Shoalhaven Water | Received | 48 |
| Telstra NSW South | Received | 60 |
| Verbrec - SSBGP | Received | 67 |

Job No 52094040

byda.com.au

Zero damage - Zero harm - Zero disruption

## Contact Details

| Contact | Contact number | Company | Enquirer ID |
|---|---|---|---|
| Christopher Allen | 0478 725 692 | - | 3129982 |

**Email**
chris@enrs.com.au

**Address**
12 Lovegrove Street
Shoalhaven Heads NSW 2535

## Job Site and Enquiry Details

**WARNING:** The map below only displays the location of the proposed job site and does not display any asset owners' pipe or cables. The area highlighted has been used only to identify the participating asset owners, who will send information to you directly.

| Enquiry date | Start date | End date | On behalf of | Job purpose | Locations | Onsite activities |
|---|---|---|---|---|---|---|
| 13/01/2026 | 25/01/2026 | 28/02/2026 | Private | Excavation | Road Reserve Nature Strip | Manual Excavation |




Check that the location of the job site is correct. If not, you must submit a new enquiry.

If the scope of works change or plan validity dates expire, you must submit a new enquiry.

Do NOT dig without plans. Safe excavation is your responsibility. If you don't understand the plans or how to proceed safely, please contact the relevant asset owners.

| User Reference | Address | Notes/description |
|---|---|---|
| ENRS3413.r2 | 250 Bolong Road<br>Bolong NSW 2540 | - |

## Your Responsibility and Duty of Care

- **Lodging an enquiry does not authorise project commencement.** Before starting work, you must obtain all necessary information from all affected asset owners.
- If you don't receive plans within 2 business days, contact the asset owner & quote their sequence number.
- Always follow the 5Ps of Safe Excavation (page 2), and locate assets before commencing work.
- Ensure you comply with State legislative requirements for Duty of Care and safe digging.
- If you damage an underground asset, you MUST advise the asset owner immediately.
- By using the BYDA service, you agree to the Privacy Policy and Term of Use.
- For more information on safe digging practices, visit www.byda.com.au

## Asset Owner Details

Below is a list of asset owners with underground infrastructure in and around your job site. It is your responsibility to identify the presence of these assets. Plans issued by Members are indicative only unless specified otherwise. Note: not all asset owners are registered with BYDA. You must contact asset owners not listed here directly.

| Referral ID (Seq. no) | Authority Name | Phone | Status |
|---|---|---|---|
| 266581299 | Endeavour Energy | (02) 9853 4161 | NOTIFIED |
| 266581298 | Evoenergy Gas Network Nowra | 1300 880 906 | NOTIFIED |
| 266581296 | NBN Co NswAct | 1800 687 626 | NOTIFIED |
| 266581295 | Shoalhaven Water | (02) 4429 3214 | NOTIFIED |
| 266581300 | Telstra NSW South | 1800 653 935 | NOTIFIED |
| 266581297 | Verbrec - SSBGP | (07) 3058 7076 | NOTIFIED |

END OF UTILITIES LIST

## The 5Ps of Safe Excavation

### Plan

Plan your job. Use the BYDA service at least one day before your job is due to begin, and ensure you have the correct plans and information required to carry out a safe project.

### Prepare

Prepare by communicating with asset owners if you need assistance. Look for clues onsite. Engage a skilled Locator.

### Pothole

Potholing is physically sighting the asset by hand digging or hydro vacuum extraction.

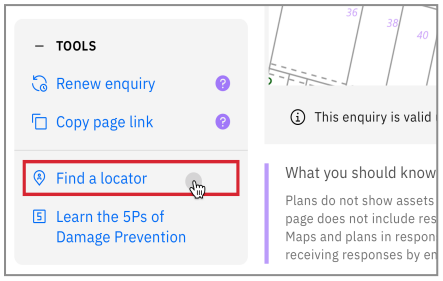
### Protect

Protecting and supporting the exposed infrastructure is the responsibility of the excavator. Always erect safety barriers in areas of risk and enforce exclusion zones.

### Proceed

Only proceed with your excavation work after planning, preparing, potholing (unless prohibited), and having protective measures in place.

## Engage a skilled Locator




**When you lodge an enquiry you will see skilled Locators to contact**

Visit the Certified Locator website directly and search for a locator near you

certloc.com.au/locators

## Get FREE Quotes for Contractors & Equipment Fast

Use iseekplant's FREE marketplace to get quotes for the equipment or services you need on your project. Compare quotes from trusted local contractors and get your project done on time and in budget.

1. Fill out your job details in our FREE quick quote form.
2. We send the request to trusted local contractors.
3. The local contractors will contact you directly with quotes

GET QUOTE

Use iseekplant to find trusted contractors near you today, visit:
blog.iseekplant.com.au/byda-isp-get-quotes

## Book a FREE BYDA Session

BYDA offers free training sessions to suit you and your organisation's needs covering safe work practices when working near essential infrastructure assets. The free sessions are offered in two different formats - online and face-to-face.

To book a session, visit:
byda.com.au/contact/education-awareness-enquiry-form

BOOK NOW

**Lodge your FREE enquiry online any time at byda.com.au**

## Endeavour Energy

**Referral**
266581299

**Member Phone**
(02) 9853 4161

# Responses from this member

**Response received** Tue 13 Jan 2026 3.13pm

| File name | Page |
|---|---|
| Response Body | 5 |
| 266581299 - Endeavour Energy Cover letter.pdf | 6 |
| 266581299 - Endeavour Energy Standard Plan.pdf | 8 |
| Endeavour Energy Disclaimer.pdf | 13 |

ATTENTION: Christopher Allen

PLEASE DO NOT SEND A REPLY TO THIS EMAIL AS IT HAS BEEN AUTOMATICALLY GENERATED AND REPLIES ARE NOT MONITORED.

Thank you for your BYDA enquiry.

BYDA Job no.: 52094040
Sequence no.: 266581299

Dig site location:
250 Bolong Road
Bolong NSW 2540

Attached are the files containing Endeavour Energy information relating to your recent BYDA request. Please read and understand all the attached documentation provided and email mocs@endeavourenergy.com.au if you have any queries.

If more detailed asset data information is required, this information is available on our Connections Portal through the Connect online | Endeavour Energy page on our website.

If you have questions about the plans you received as part of BYD enquiry, please email mocs@endeavourenergy.com.au

If you have received this email in error, please advise us by emailing mocs@endeavourenergy.com.au and quote the Sequence Number listed above.

If you are unable to launch any of the files for viewing and printing, you may need to download and install free viewing and printing software such as Adobe Acrobat Reader (for PDF files)

PelicanCorp Compiled with **TicketAccess** by PelicanCorp BEFORE YOU DIG www.byda.com.au

If further clarification is required, please contact:
Endeavour Energy
Email: MOCS@endeavourenergy.com.au
**Emergency Phone Number: 131 003**

# BYDA Underground Search Report

**Date:** 13 Jan 2026

**BYDA Sequence No:** 266581299 **BYDA Job No:** 52094040

## ENDEAVOUR ENERGY ASSETS AFFECTED

| | | | |
|---|---|---|---|
| To: | Christopher Allen | Company: | Not supplied |
| Address: | 12 Lovegrove Street, Shoalhaven Heads NSW 2535 | | |
| Cust. ID: | 3129982 | Email: | g4br7h3rq2woa0.scao18qp9o7efc@smarterwx-mail.byda.com.au |
| Phone: | +61478725692 | | |
| Enquiry Location: | 250 Bolong Road, Bolong NSW 2540 | | |

Our Search has shown that **UNDERGROUND ASSETS ARE PRESENT** on our plans within the nominated enquiry location. This search is based on the graphical position of the excavation site as denoted in the BYDA customer confirmation sheet.

## WARNING

- **All electrical apparatus shall be regarded as live until proved de-energised.** Contact with live electrical apparatus will cause severe injury or death.
- Underground assets may be congested at the approach to bridges and other structures. Typical asset depths and alignment may vary substantially, rising and falling sharply and at much shallower depths than elsewhere as they are channelled into shared allocated spaces on bridges and other structures. Additional precautions and underground asset location methods will be required in proximity to bridges and other structures.
- In accordance with the *Electricity Supply Act 1995*, you are obliged to report any damage to Endeavour Energy Assets immediately by calling **131 003**.
- The customer must obtain a new set of plans from Endeavour Energy if work has not been started or completed within twenty **(20)** working days of the original plan issue date.
- The customer must contact Endeavour Energy if any of the plans provided have blank pages, as some underground asset information may be incomplete.
- Endeavour Energy underground earthing and earth grids may exist and their location **may not** be shown on plans. Persons excavating are expected to exercise all due care, especially in the vicinity of padmount substations, pole mounted substations, pole mounted switches, transmission poles and towers.
- Our plans may not show the presence of all cables, pipes and plant. Endeavour Energy plans do not depict any underground consumer mains. These assets are the conductors between the connection point at a network operators' asset such as a pillar or column, and the customer Service Equipment Enclosure.
- It should be noted that adjacent to any network operator asset, there may be multiple underground consumer mains that feed from a pillar or column. Those underground consumer mains and any other underground services will need to be positively identified prior to mechanical excavation in the vicinity. Please refer to the Work Near Underground Assets Guideline published in 2007 by the WorkCover Authority.
- Asbestos or asbestos-containing material may be present on or near Endeavour Energy's underground assets.
- Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches.
- All plans must be made available at the worksite where excavation is to be undertaken in either printed or electronic format. If the plans are in an electronic format, they must be in a format visible on a screen size 10 inches or greater. Plans must be reviewed and understood by the crew on site prior to commencing excavation.
- Non-destructive water excavation must be operated at or below 2000PSI. Any operation exceeding 2000PSI must be classed and treated as a destructive excavation practice

**Information Provided by Endeavour Energy**:

- Any plans provided pursuant to this service are intended to show the approximate location of underground assets relative to road boundaries, property fences and other structures at the time of installation.
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- Depth of underground assets may vary significantly as a result of changes to road, footpath or surface levels subsequent to installation.
- Our plans have been prepared solely for use by Endeavour Energy staff for design, construction, and maintenance purposes.
- All enquiry details and results are kept in a register.

If further clarification is required, please contact:
Endeavour Energy
Email: MOCS@endeavourenergy.com.au
**Emergency Phone Number: 131 003**

## SUPPLEMENTARY MATERIAL

| Material | Purpose | Location |
|---|---|---|
| BYD Cover Letter | Endeavour Energy BYD response Cover Letter | Attached |
| BYD Important Information & Disclaimer | Endeavour Energy disclaimer, responsibilities and information on understanding plans | Attached |
| BYD Response Plans | Endeavour Energy BYD plans | Attached |
| Work Cover NSW *"Work near underground assets: Guide"* | Guideline for anyone involved in construction work near underground assets | Contact Work Cover NSW for a copy |
| Work Cover NSW *"Excavation work: Code of practice"* | Practical guidance on managing health and safety risks associated with excavation | URL [Click Here] |
| Safe Work Australia *"Working in the vicinity of overhead and underground electric lines guidance material"* | Provides information on how to manage risks when working in the vicinity of overhead and underground electric lines at a workplace | URL [Click Here] |
| Endeavour Energy Safety Brochures & Guides | To raise awareness of dangers of working on or near Endeavour Energy's assets | URL [Click Here ] |




Overview

**WARNING**

- **All electrical apparatus shall be regarded as live until proved de-energised.** Contact with live electrical apparatus will cause severe injury or death.
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- Our plans may not show the presence of all cables, pipes and plant. Endeavour Energy plans do not depict any underground consumer mains. These assets are the conductors between the connection point at a network operators' asset such as a pillar or column, and the customer Service Equipment Enclosure
- It should be noted that adjacent to any network operator asset, there may be multiple underground consumer mains that feed from a pillar or column. Those underground consumer mains and any other underground services will need to be positively identified prior to mechanical excavation in the vicinity. Please refer to the Work Near Underground Assets Guideline published in 2007 by the WorkCover Authority.
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**INFORMATION PROVIDED BY ENDEAVOUR ENERGY**

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- Our plans have been prepared solely for use by Endeavour Energy staff for design, construction and maintenance purposes.
- All enquiry details and results are kept in a register.

**DISCLAIMER**

Whilst Endeavour Energy has taken all reasonable steps to ensure that the information contained in any plan is as accurate as possible at the time of installation, the location of underground assets depicted on a plan is approximate and Endeavour Energy will accept no liability for inaccuracies in the information shown on such plans.

**OVERVIEW ONLY**
ASSETS ARE ONLY SHOWN ON DETAILED TILES (PAGES)

N

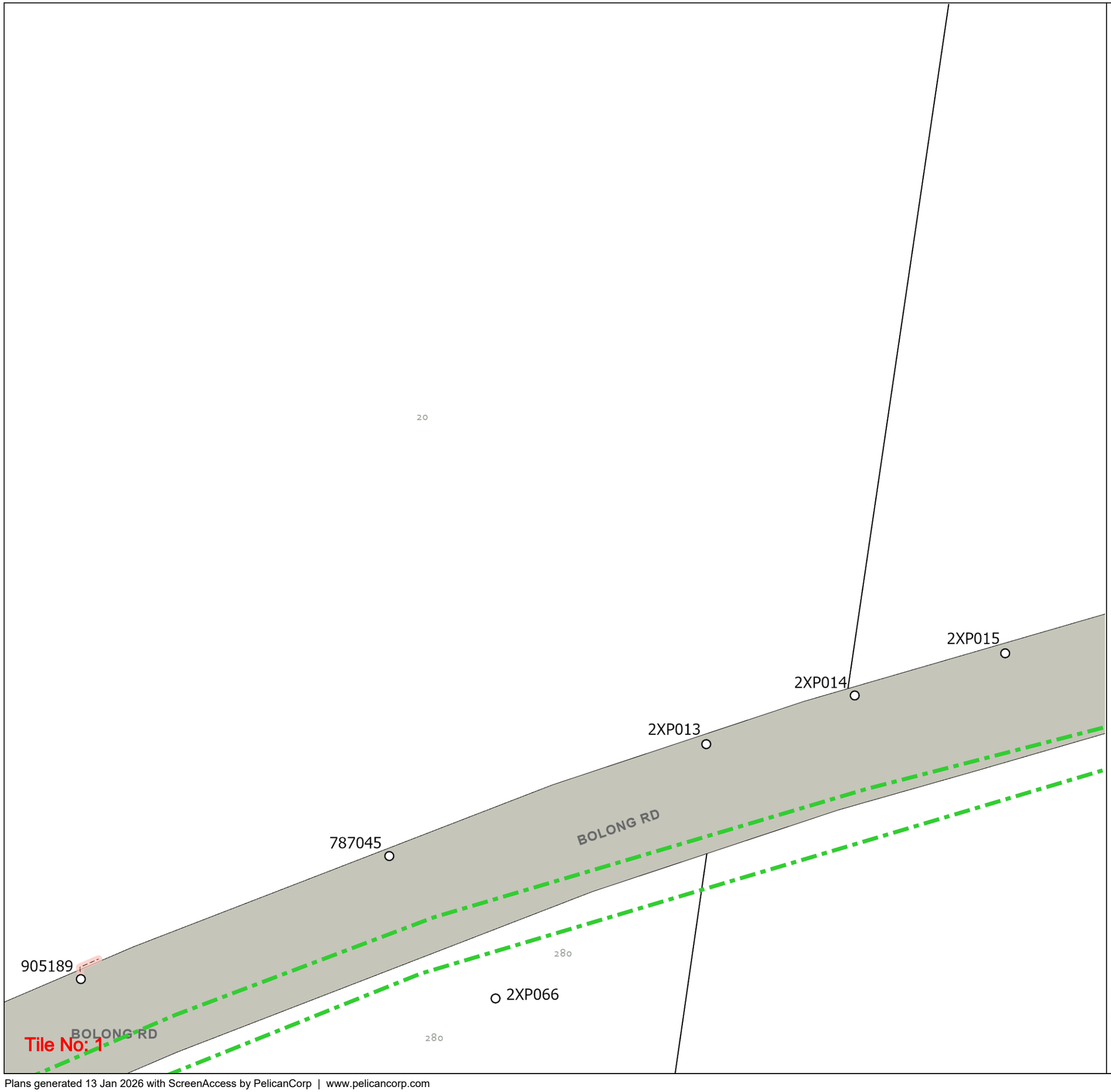
**NOT TO SCALE**

BYDA Sequence No.: 266581299

Issued Date: 13 Jan 2026

Endeavour Energy

Cadastre: © Land and Property Information 2015, 2016




**WARNING**

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**ENDEAVOUR ENERGY MAP LEGEND**

Hazard Area
Asbestos
Cubicle
Pit
Conductor: HV, LV, SL, TR
Pilot Cable
Earth Cable
Column
Pole
Pillar
Substation (PS)
Zone Substation (ZS)

*Note: Pink features may be in construction.*

N

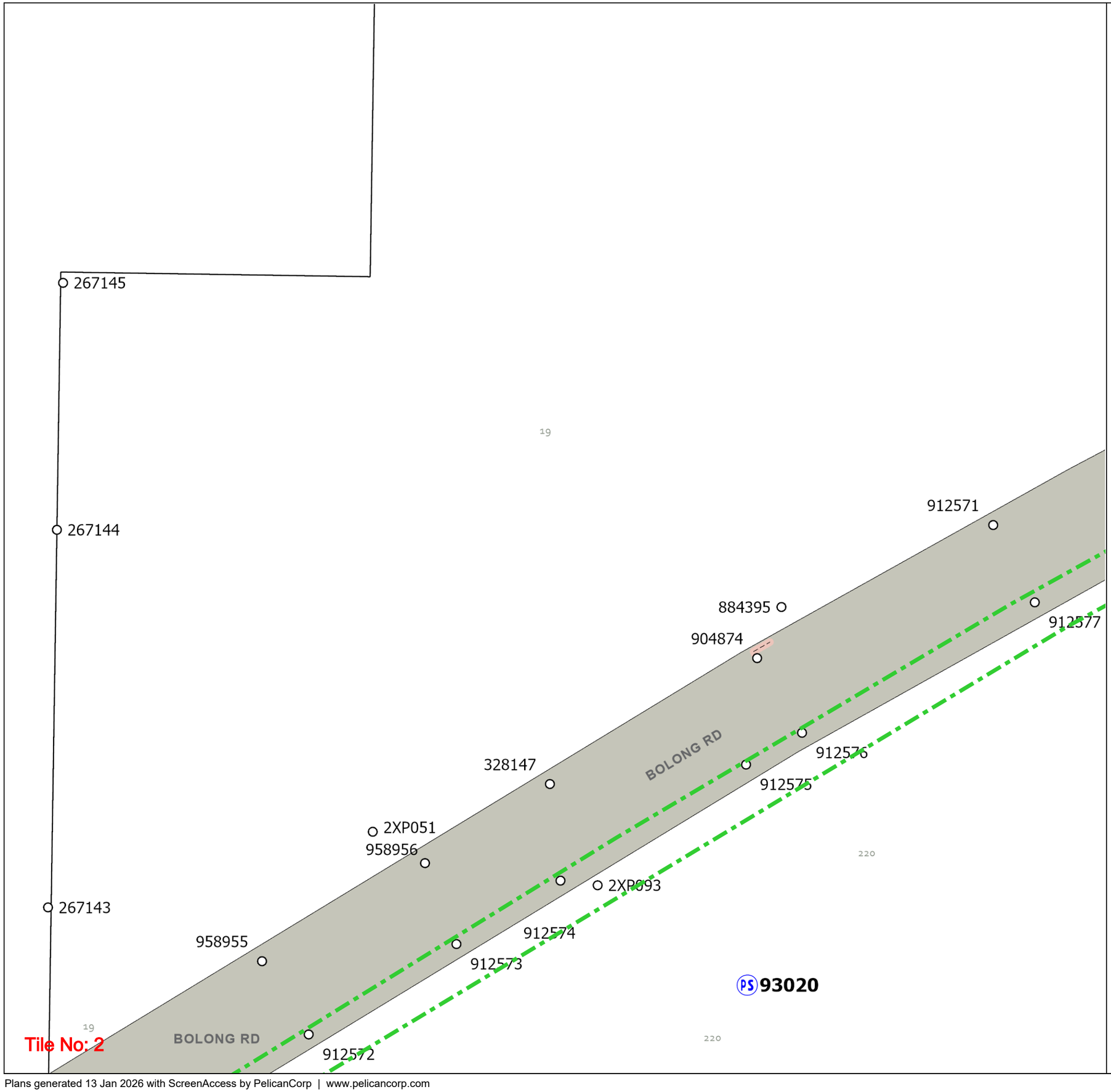
**NOT TO SCALE**

BYDA Sequence No.: 266581299

Issued Date: 13 Jan 2026

Endeavour Energy

Cadastre: © Land and Property Information 2015, 2016




**WARNING**

- **All electrical apparatus shall be regarded as live until proved de-energised.** Contact with live electrical apparatus will cause severe injury or death.
- Underground assets may be congested at the approach to bridges and other structures. Typical asset depths and alignment may vary substantially, rising and falling sharply and at much shallower depths than elsewhere as they are channelled into shared allocated spaces on bridges and other structures. Additional precautions and underground asset location methods will be required in proximity to bridges and other structures.
- In accordance with the *Electricity Supply Act 1995*, you are obliged to report any damage to Endeavour Energy Assets immediately by calling **131 003**.
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**INFORMATION PROVIDED BY ENDEAVOUR ENERGY**

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**DISCLAIMER**

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**ENDEAVOUR ENERGY MAP LEGEND**

| | | | |
|---|---|---|---|
| Hazard Area | Conductor: HV, LV, SL, TR | Column | Substation |
| Asbestos | | Pole | Zone Substation |
| Cubicle | Pilot Cable | Pillar | |
| Pit | Earth Cable | *Note: Pink features may be in construction.* | |

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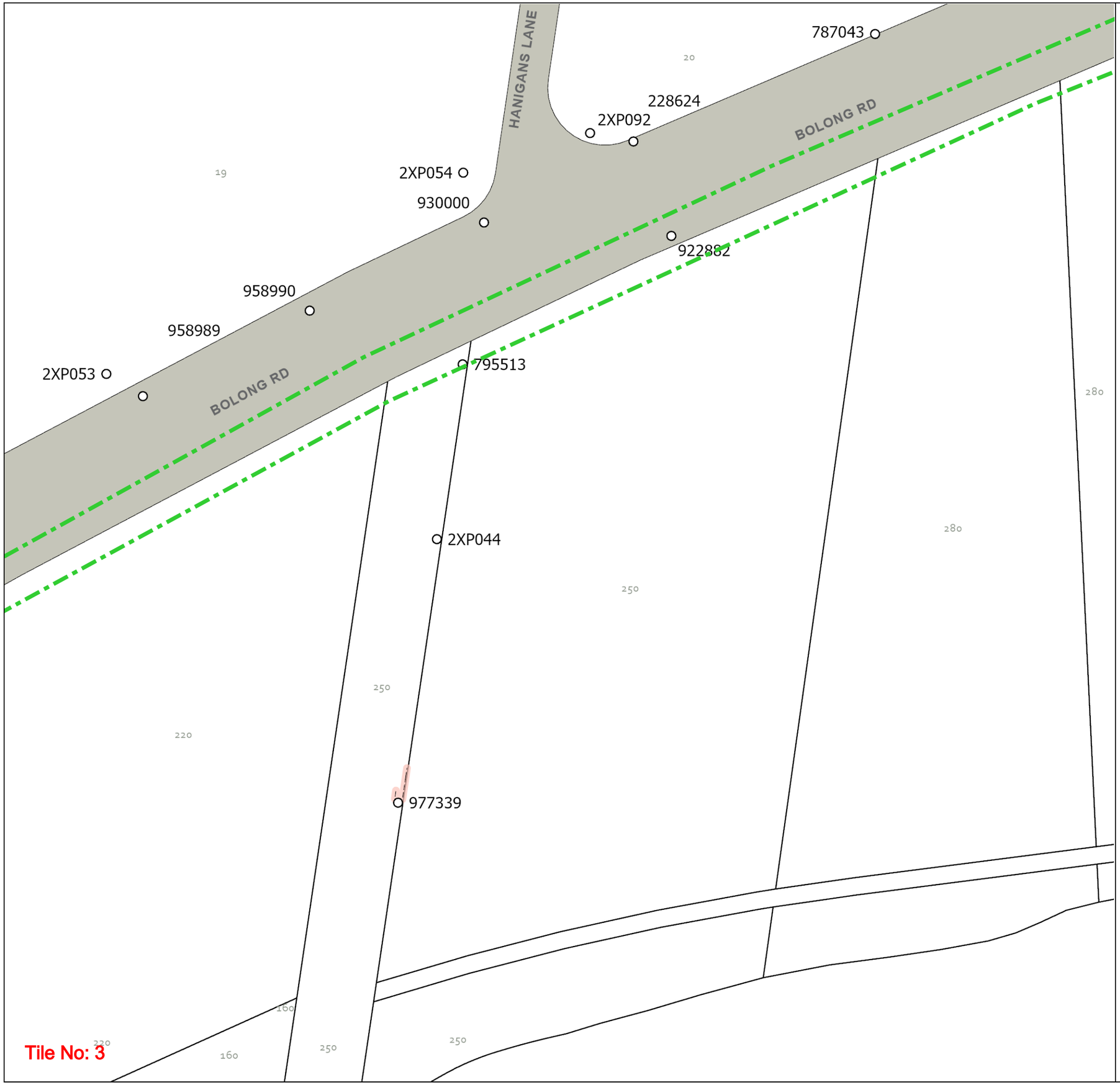
NOT TO SCALE

BYDA Sequence No.: 266581299

Issued Date: 13 Jan 2026

Endeavour Energy

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Tile No: 3

**WARNING**

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**ENDEAVOUR ENERGY MAP LEGEND**

Hazard Area
Asbestos
Cubicle
Pit
Conductor: HV, LV, SL, TR
Pilot Cable
Earth Cable
Column
Pole
Pillar
Substation (PS)
Zone Substation (ZS)

*Note: Pink features may be in construction.*

N

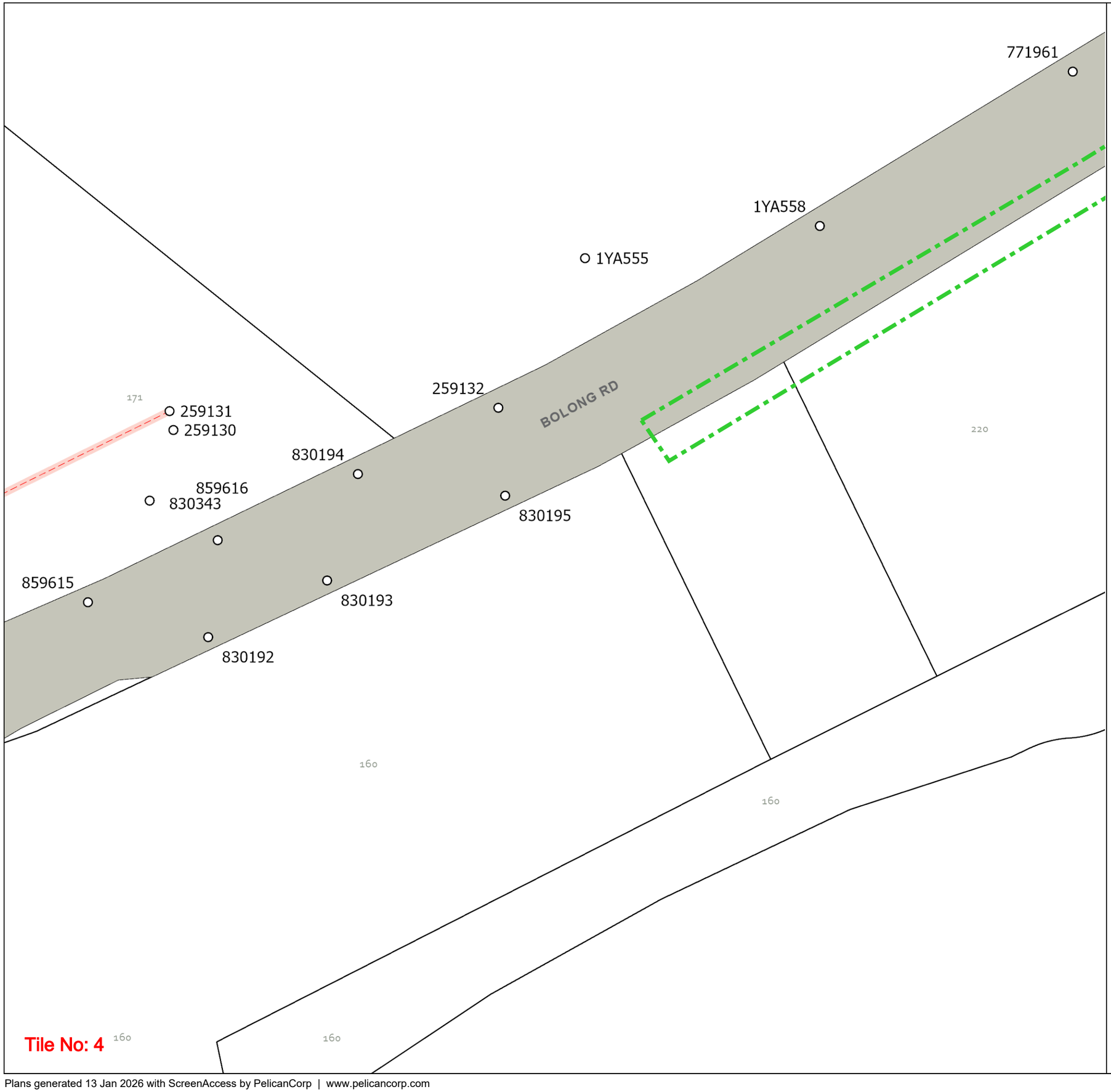
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BYDA Sequence No.: 266581299

Issued Date: 13 Jan 2026

Endeavour Energy

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**ENDEAVOUR ENERGY MAP LEGEND**

Hazard Area
Asbestos
Cubicle (LV)
Pit
Conductor: HV, LV, SL, TR
Pilot Cable
Earth Cable
Column
Pole
Pillar
Substation (PS)
Zone Substation (ZS)

*Note: Pink features may be in construction.*

N

**NOT TO SCALE**

BYDA Sequence No.: 266581299

Issued Date: 13 Jan 2026

Endeavour Energy

Cadastre: © Land and Property Information 2015, 2016

If further clarification is required, please contact:
Endeavour Energy
Email: MOCS@endeavourenergy.com.au
**Emergency Phone Number: 131 003**

**BEFORE COMMENCING EXCAVATION, YOU MUST READ AND UNDERSTAND ALL INFORMATION PROVIDED IN THE BYDA RESPONSE AND LISTED BELOW**

## BACKGROUND

Endeavour Energy is able to make available plans of its underground assets to persons who intend to undertake excavation works in Endeavour Energy's distribution area. Any plans provided to you are made available subject to the provisions set out below, in the provided plans, and in the Endeavour Energy BYDA response Cover Letter.

We have set out below important information regarding the recommended procedures that should be followed when using this service and also the extent of our responsibility in respect of any plans provided. It is very important that you read and understand all the information and disclaimers provided below before excavating.

Information Provided by Endeavour Energy:

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## DISCLAIMER

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## CUSTOMER REQUESTS AND RESPONSIBILITIES

- Endeavour Energy expects to be able to provide relevant plans within 48 hours after a request is made.
- If the enquiry falls within the Transmission Mains area, additional notification requirements shall be complied with as per the instructions in the response Cover Letter.
- Endeavour Energy retains copyright over all plans and details provided in response to a customer's request.
- Persons excavating are expected to exercise all due care in the vicinity where underground assets are indicated and will be held responsible for any damage to any underground assets (including any Endeavour Energy property) or any other loss caused (including consequential losses) as a result of such excavations.
- All underground assets should be visually located by soft digging (pot holing) or hand digging.
- A person who undertakes excavation work is subject to duties and responsibilities under the *Work Health and Safety Act 2011* and *Work Health and Safety Regulation 2011*. Please refer to the Work Cover NSW "*Work near underground assets: Guide*" and "*Excavation work: Code of practice*" which contain practical advice for working near underground utility services.
- Any damage to Endeavour Energy's assets must be immediately reported on **131 003**.
- In all cases of electric shock or suspected electric shock the victim shall immediately be transported to hospital or medical centre for treatment.
- If conduit material cannot be identified, it should be assumed to contain asbestos material.
- Endeavour Energy plans are frequently updated to record changes to underground assets. All plans are valid for **20** working days from the date of issue.

# ENDEAVOUR ENERGY MAP LEGEND

## Hazard Area

## Asbestos

## Cubicle

## Pit

## Conductor

HV

LV

SL

TR

## Pilot Cable

## Earth Cable

## Column

## Pole

## Pillar

## Substation

PS

## Zone Substation

ZS

***Note: Pink features may be in construction.***

# Evoenergy Gas Network Nowra

**Referral**
266581298

**Member Phone**
1300 880 906

## Responses from this member

**Response received** Tue 13 Jan 2026 6.13pm

| File name | Page |
|---|---|
| Response Body | 16 |
| Critical_Gas_Coversheet_Evoenergy.pdf | 17 |
| Evoenergy_BYDAResponse_SEC_52094040_266581298.pdf | 20 |
| image1 | Excluded |

Dear Christopher Allen

**REF: BYDA JOB:52094040 SEQ:266581298 - 250 Bolong Road Bolong NSW 2540**

Thank you for your BYDA inquiry. For a detailed response from Evoenergy, please refer to the attached documents.

**WARNING - HIGH PRESSURE GAS MAINS MAY BE IN YOUR WORK AREA.**

Evoenergy gas mains are managed by Jemena Asset Management Pty Ltd and operated by Zinfra.

Mandatory stand-by / supervision by Zinfra personnel is required when excavating within the vicinity of critical gas network assets OR where mechanical excavationis required within 1.0 metres of the gas network. Your activity around critical gas assets will be supervised by Zinfra at no charge for the first two hours. This supervision is to ensure the integrity of Evoenergy's assets is maintained.

Note: Charges may apply if stand-by is required for longer than two hours.

Please contact Zinfra on **1300 503 237** between 7.30 am and 4 pm if you require a stand-by person.

**This information is valid for 30 days from the date of enquiry.**

Regards

**BYDA Admin, Jemena (on behalf of Evoenergy)**
Level 14, 99 Walker Street North Sydney, NSW 2060
PO Box 1220, North Sydney, NSW 2059
1300 880 906
www.jemena.com.au | www.gonaturalgas.com.au

Please **DO NOT REPLY** to this email as it has been automatically generated and replies are not monitored.

This message is intended for the named recipient and may contain personal information of individuals, and subject to Commonwealth and/or State privacy laws in Australia. If you have received this e-mail in error, you must not read, print, store, copy, forward or use the message and request that the message is permanently deleted. No warranty is given in relation to the contents (including accuracy, reliability, completeness, currency or suitability) and the contents should not be considered as any more than indicative only. Any use of the contents for the performance of works is at your own risk. Jemena accepts no liability (including without limitation, liability in negligence) for any loss, damage or costs (including consequential loss or damage) relating to any use of the contents. If you have received this email in error, please call 1300 880 906.
**********
This is a confidential message intended for the named recipient(s) only. The contents herein are privileged to the sender and the use thereof is restricted to the intended purpose. If you have received this e-mail in error, please do not use, disclose, distribute, copy, print or relay on this email. If receipt is in error, please advise the sender by reply email. Thank you.
**********

# Gas asset location information

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*Work details are provided in your BYDA email.*

## WARNING - HIGH PRESSURE GAS PIPELINE IN THE VICINITY



The records of Evoenergy Gas Networks indicate that High Pressure Underground Assets/Pipes **are** present in the vicinity of and/or surrounding area of the above enquiry. Please read all the information and conditions below and overleaf.

**No excavations within 15 metres of this asset are permitted without the prior approval of Zinfra PHONE 1300 503 237**

## Conditions for works in the vicinity of Evoenergy gas network assets

**Any information provided is valid only for 30 days from the date of issue.** If the work operation extends beyond this period, or if the designs are altered in any way, you are requested to re-submit your proposal for re-assessment.

Consistent with the requirements of Part 2 General – Section 8 of the Utility Networks (Public Safety) Regulations 2001 No. 28, Evoenergy require that:

- The requestor shall ensure that all workers on site are aware of the presence of natural gas.
- The requestor shall ensure that under no circumstances will mechanical excavation be carried out within 1.0 metres of a gas main without there being a Zinfra Representative on site.
- The requestor shall be responsible to maintain the presence / visibilities of all gas markings.
- **No live or Isolated gas pipes shall be cut, altered or removed without APPROVAL from Zinfra.**

**Note:** Individual customer gas connections are generally not shown on the accompanying maps. For information regarding individual gas connections we recommend that you request a site meeting / inlet service location.

You can obtain additional information or arrange a site meeting by contacting Zinfra on **1300 503 237. Note that 24 hours notice is required for site meetings.**

**For an emergency or to report damage**
**13 10 93** electricity | **13 19 09** gas | 24 hours

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**Please read the following important information (overleaf)**



Jemena Networks (ACT) Pty Ltd (ABN 24 008 552 663) t/as Evoenergy (ABN 76 670 568 688).

## 1. High Pressure Pipelines

No excavations or heavy construction are permitted within 15m of these pipelines without notification to and authorisation from Jemena. If separation distance is 15m or less, you are required to notify Jemena of your works.

Prior to commencing works near or over the High Pressure Gas Mains you must supply Jemena with your proposal of works including design plans. You must allow four weeks for Jemena to review your works. Please mail your proposed works details to:

Jemena Asset Management Pty Ltd
Land Services Dept
PO Box 1220 North Sydney, NSW, 2059

or email: lands@jemena.com.au

Once Jemena has reviewed your proposal and design plans and you have received Jemena's approval to proceed, you must organise for a Pipeline Technician to be on Stand-by during your works (charges may apply).

To arrange for a Pipeline Technician to be on site please call the High Pressure Coordinator on **1300 503 237** two working days prior to the works commencing.

## 2. High Pressure Steel and Large Diameter Medium Pressure Plastic Pipelines

You **must** contact a Pipeline Technician to conduct a survey **before** commencing any work in this area. You can arrange a survey by contacting the High Pressure Response Coordinator on **1300 503 237**. **Please note that two working days notice is required to arrange a survey.** For all works in the vicinity of High Pressure Gas Mains you are required to arrange for a Pipeline Technician to attend. Charges apply for attendance of any works outside the hours of 7am to 4pm, Monday to Friday ("Standard Business Hours") and for any attendance during Standard Business Hours that is longer than 2 hours.

**WARNING.** It is essential that ALL these documents be handed to the principal contractor carrying out the work. A photocopy may be taken for office records. All documents must be on site at the time of excavation. The information provided is to be used as guide only and does not absolve third parties in their "Duty of Care" obligations to take additional precautions where the work has the potential to impact on gas assets and the safety of people.

All work that may impact upon the Evoenergy Gas Network should be carefully planned with notification to Jemena (Zinfra) well in advance of commencement. This includes excavation of gas pipelines, crossings of pipelines by other underground infrastructure (drains, power cables, etc), road works or structural installations.

Evoenergy plans have been provided to show the position of underground gas mains and equipment in public gazetted roads only. Individual customers' services are not generally included on these plans. These plans have been prepared solely for Evoenergy's own use and indicate the position of underground mains and installations relative to boundaries and kerbs as at the time the mains were installed, and do not necessarily reflect any subsequent changes eg: changes to road alignments.

Evoenergy and / or Jemena (Zinfra) will accept no liability for inaccuracies in the information or lack of information on such plans for any cause whatsoever arising. Persons excavating or carrying out other earthworks will be held responsible for any damage caused to underground mains and equipment, and the costs associated with replacement or repair.

Please note that the information contained on the map provided is not a method of determining gas availability for the purposes of connection to a natural gas supply. Please contact a gas retailer to determine the availability of gas as an energy source.

**IN THE EVENT OF A GAS EMERGENCY CALL 13 19 09 (24 hours)**

Extinguish all sources of ignition and keep the area clear of all persons. Any attempt by third parties to repair damaged gas mains or services may result in prosecution under the Utility Networks (Public Safety) Regulations 2001.

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Jemena Networks (ACT) Pty Ltd (ABN 24 008 552 663) t/as Evoenergy (ABN 76 670 568 688).

# GAS NETWORK LEGEND

## NETWORK MAINS

- Proposed New Main (coloured as per kPa)
- Proposed Isolate (coloured as per kPa)
- 100kPa Medium Pressure gas main
- 210kPa Medium Pressure gas main
- 250kPa Medium Pressure gas main
- 1050kPa High Pressure gas main
- 6895kPa-7000kPa High Pressure Primary gas main
- 14900kPa High Pressure Transmission Pipeline
- Abandoned Medium Pressure/High Pressure gas main
- Conduit or Casing (100 PVC) Size & Material (see conduit material codes)
- EXPOSED — Exposed Main section
- SHALLOW-SP — Shallow Main section: see Protection Code below, no code assume no protection

| | | | |
|---|---|---|---|
| SP | Steel Plate | CE | Concrete Encased |
| PP | PE Plate | UNK | Unknown Type |
| CS | Concrete Slab | | |

## NETWORK ASSETS

- Siphon
- Network Valve
- High Pressure Main Line Valve (=>1050kPa)
- High Pressure Automatic Line Break Valve (>1050kPa)
- Boundary Regulator Set
- Distribution Regulator Set (=<1050kPa)
- High Pressure Regulating Station (>1050kPa)
- Bulk Metering Station
- Pressure Monitoring Station
- Gas Station Structure
- Filter
- Silencer
- Catalyst Heater
- Water Bath Heater
- Regulator

## CUSTOMER RELATED FEATURES

- Active Connection to customer premises
- Active Secondary Service
- Medium Pressure Gas Service- indicative position(Coloured as per kPa).
  Service features created programmatically based on known pipe characteristics and cartographic principles. They may provide guidance to identify assets whilst in the field in addition to existing processes.




Some Industrial and commercial services have been plotted as per the details received in as-built drawings




Distance (in metres) of service from side Boundary where the service pipe crosses from the road reserve into private lot
Service placed towards left or right boundary
Service pipe size & material where known



For connected sites with insufficient asset details, service is shown down the centre of the lot with no attributes plotted

## ANNOTATIONS

Pipe and Conduit Material Codes

| | | | |
|---|---|---|---|
| NY | Nylon | ST | STEEL |
| CONC | Concrete | CU | Copper |
| PE | Polyethylene | | |
| PVC | Polyvinyl Chloride | | |

Pipe code combinations and dimension references

| | |
|---|---|
| (50) PE 32 NY 210kPa | 32mm Nylon main inserted into 50mm PE pipe |
| 75 NY 210 kPa | 75mm Nylon main |

| | |
|---|---|
| R10.0 | DISTANCE TO ROAD |
| B10.0 | DISTANCE TO BOUNDARY |
| E10.0 | DISTANCE TO END |
| C10.0 | DISTANCE TO CHANGE OF DIRECTION |
| 3.8 | DISTANCE FROM MAIN TO KERB |
| 3.0 | DISTANCE FROM MAIN TO BOUNDARY |

## GAS FITTINGS

- Gauging Point
- Flange
- Insulation joint

## CP FEATURES

- CP Test Staion
- Sacrificial Anode
- CP Ground Bend Cable(Anode Ground Bed)
- CP Rectifier Cable
- Transformer Rectifier(CP Rectifier Terminal)

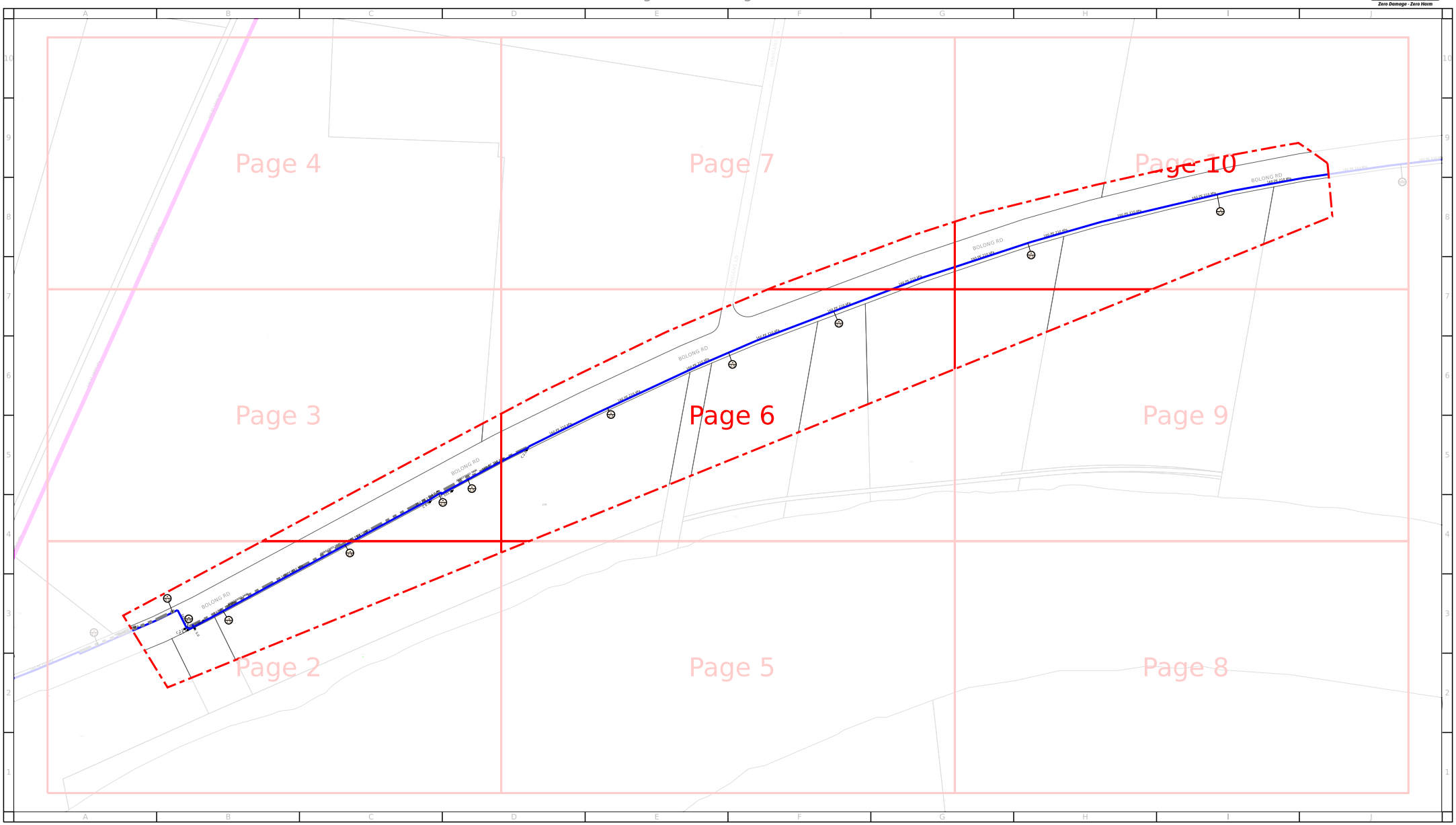
All network distribution data is the property of Evoenergy and no warranty as to the accuracy or completeness of the information is provided. No liability for any loss or damage arising from the use of this information will be accepted.

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BEFORE YOU DIG www.byda.com.au
Zero Damage - Zero Harm

BYDA Authority: Evoenergy Gas Networks

BYDA Location: 250 Bolong Road Bolong NSW, 2540




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For legend details, please refer to the Coversheet attachment provided as part of this BYDA response.

N W E S

Scale: 1:6302

Issue Date: 13/01/2026

BYDA Seq No: 266581298

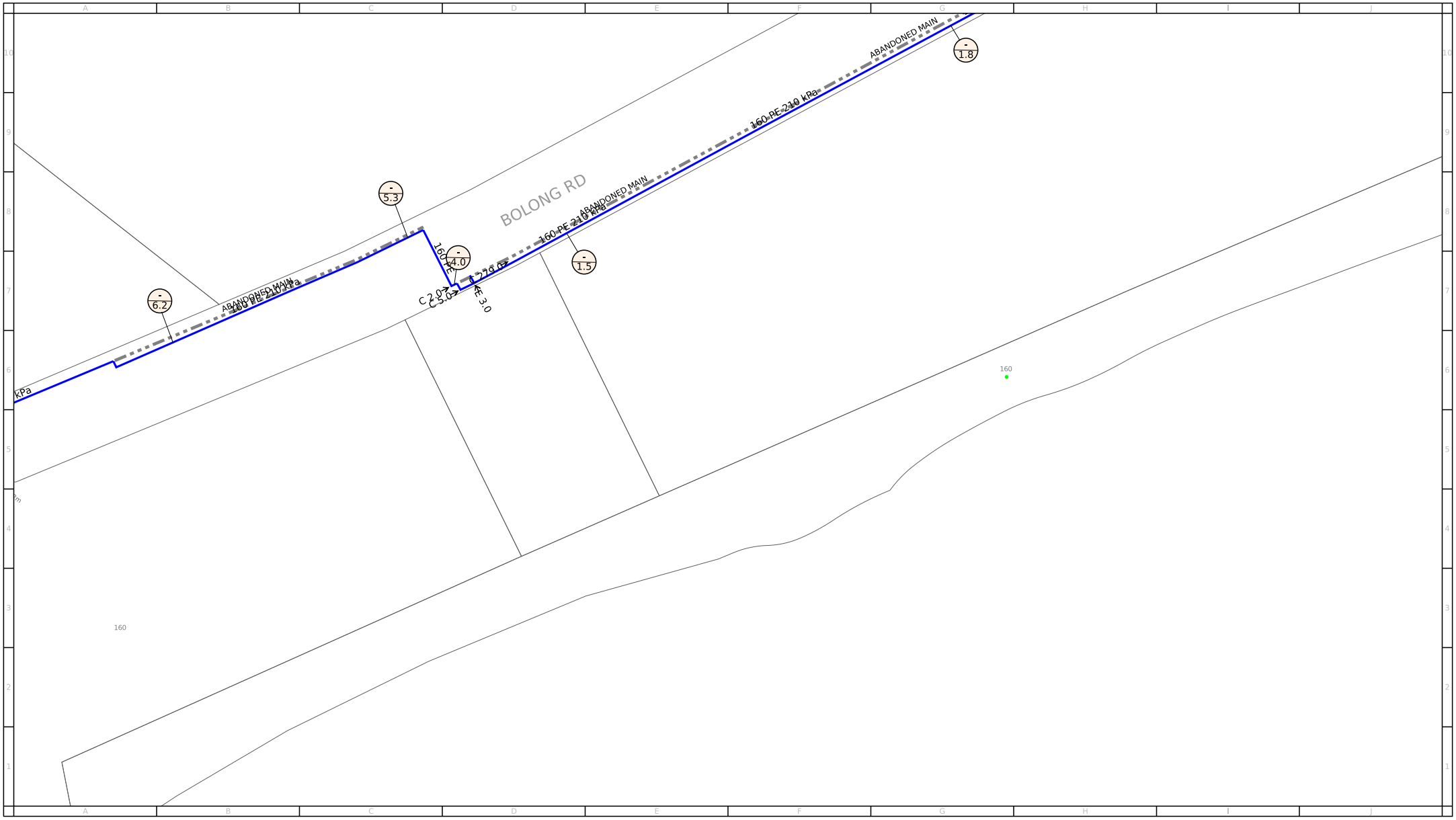
BYDA Job No: 52094040

Overview Page:

WARNING: This is a representation of Evoenergy Gas Networks underground assets only and may not indicate all assets in the area. It must not be used for the purpose of exact asset location in order to undertake any type of excavation. Please read all conditions and information on the attached information sheet. This extract is subject to those conditions.
The information contained on this plan is only valid for 28 days from the date of issue.

BYDA Authority: Evoenergy Gas Networks

BYDA Location: 250 Bolong Road Bolong NSW, 2540




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For legend details, please refer to the Coversheet attachment provided as part of this BYDA response.

N W E S

Scale: 1:2000

Issue Date: 13/01/2026

BYDA Seq No: 266581298

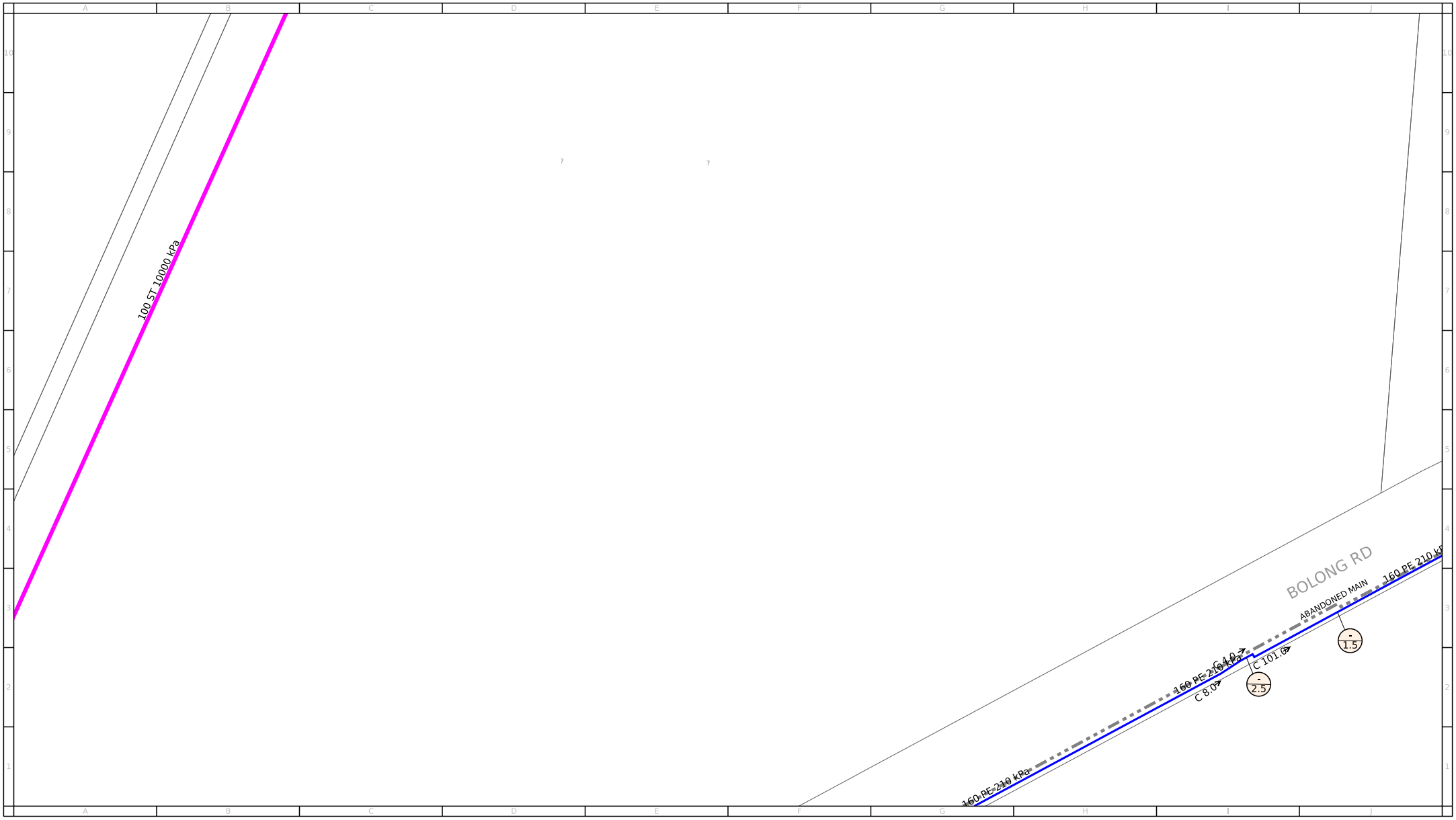
BYDA Job No: 52094040

0m 10m 20m 30m 40m 50m 60m 70m 80m

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BYDA Authority: Evoenergy Gas Networks

BYDA Location: 250 Bolong Road Bolong NSW, 2540




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For legend details, please refer to the Coversheet attachment provided as part of this BYDA response.

N W E S

Scale: 1:2000

Issue Date: 13/01/2026

BYDA Seq No: 266581298

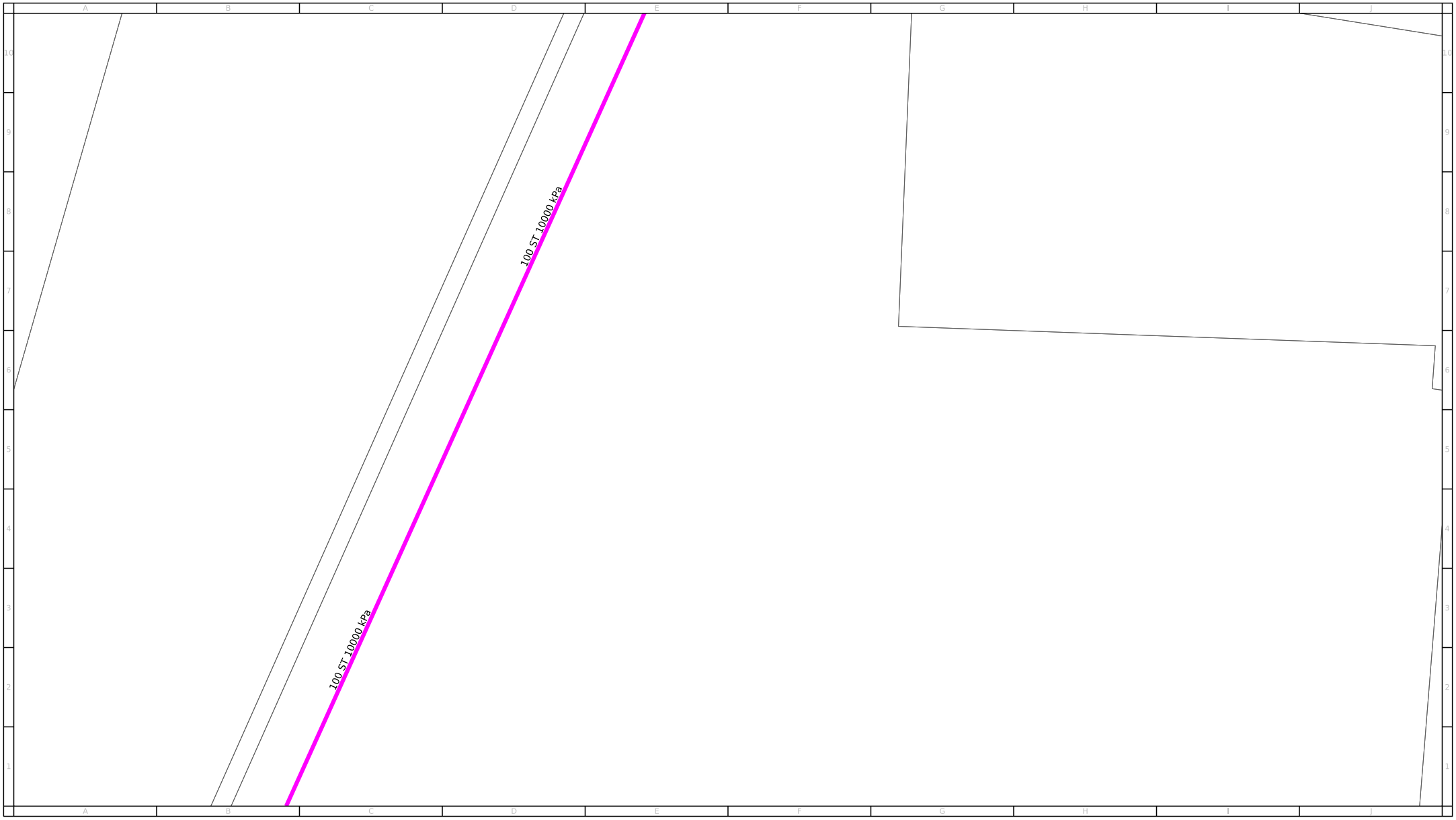
BYDA Job No: 52094040

0m 10m 20m 30m 40m 50m 60m 70m 80m

WARNING: This is a representation of Evoenergy Gas Networks underground assets only and may not indicate all assets in the area. It must not be used for the purpose of exact asset location in order to undertake any type of excavation. This plan is diagramatic only, and distances scaled from this plan may not be accurate. Please read all conditions and information on the attached information sheet. This extract is subject to those conditions. The information contained on this plan is only valid for 28 days from the date of issue.

BYDA Authority: Evoenergy Gas Networks

BYDA Location: 250 Bolong Road Bolong NSW, 2540




evoenergy

For legend details, please refer to the Coversheet attachment provided as part of this BYDA response.

N W E S

Scale: 1:2000

Issue Date: 13/01/2026

BYDA Seq No: 266581298

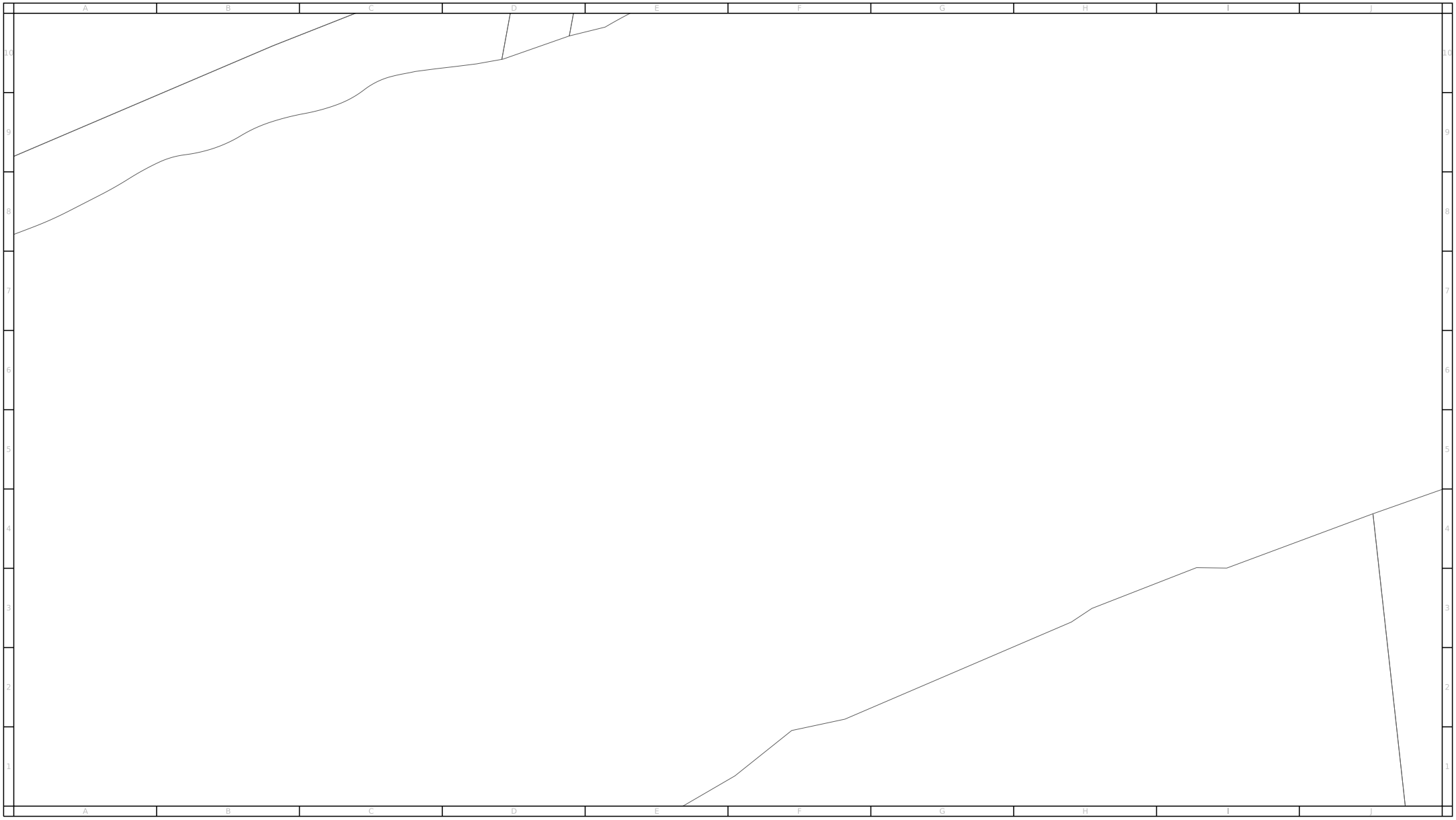
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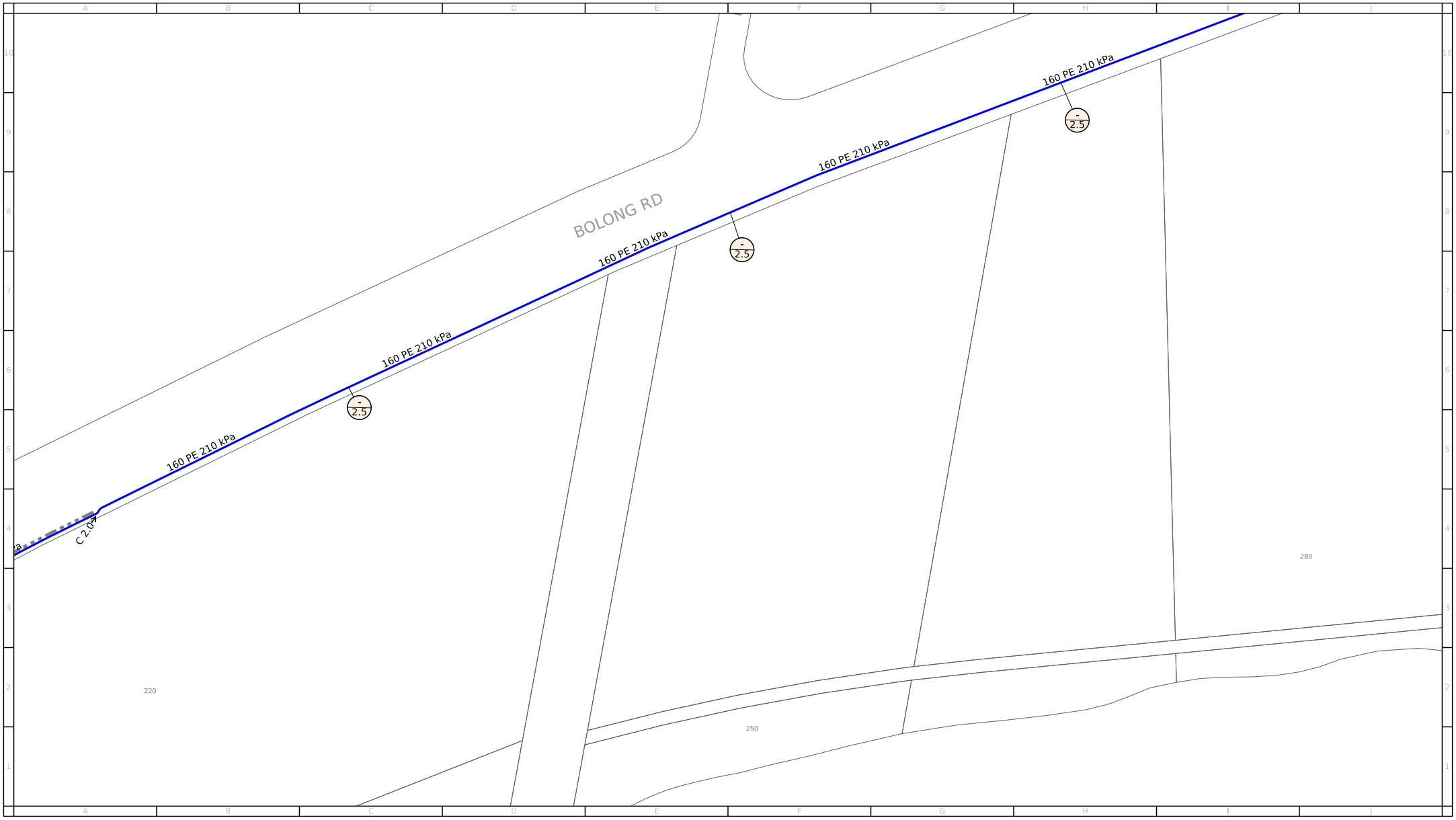
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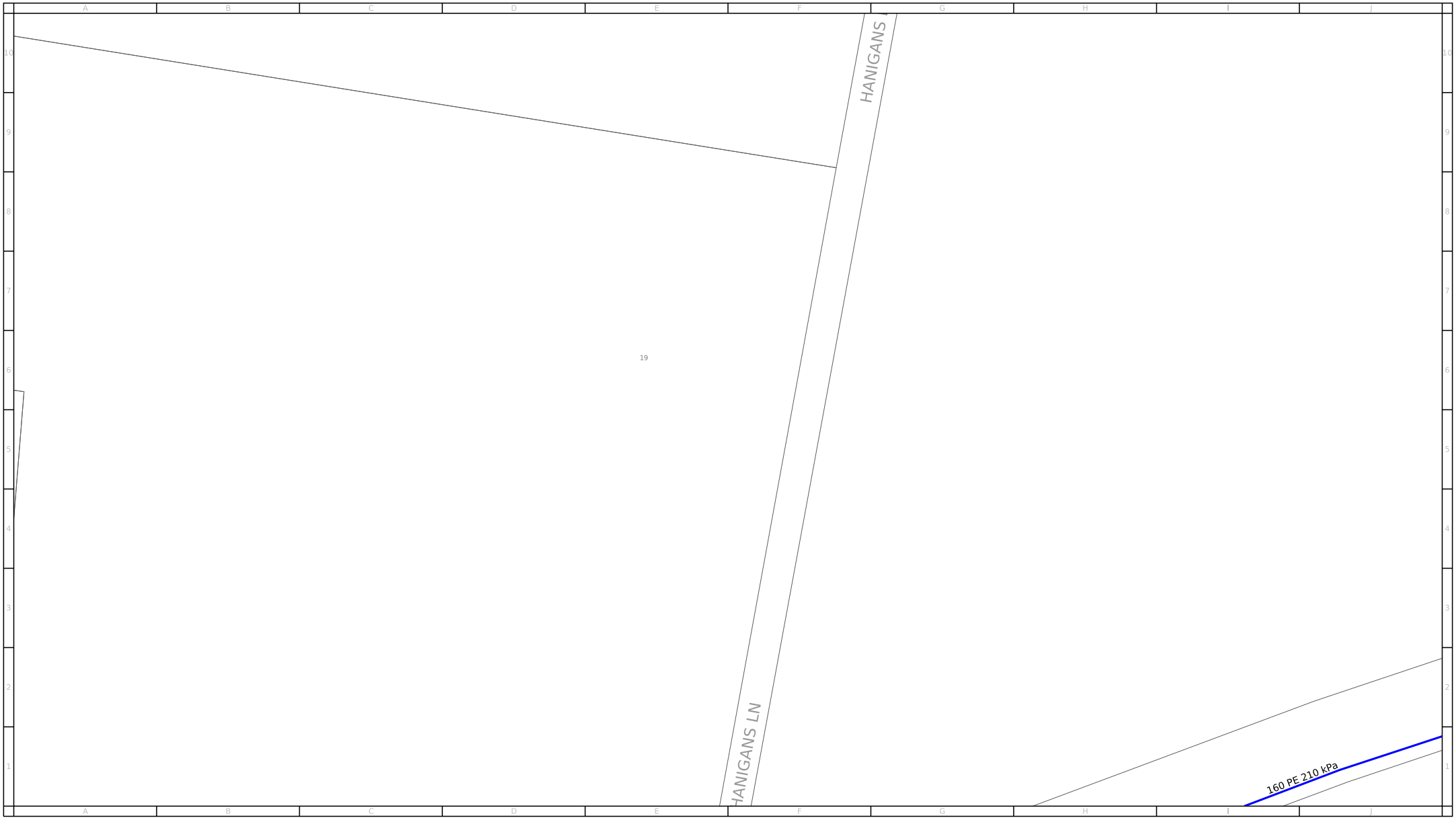
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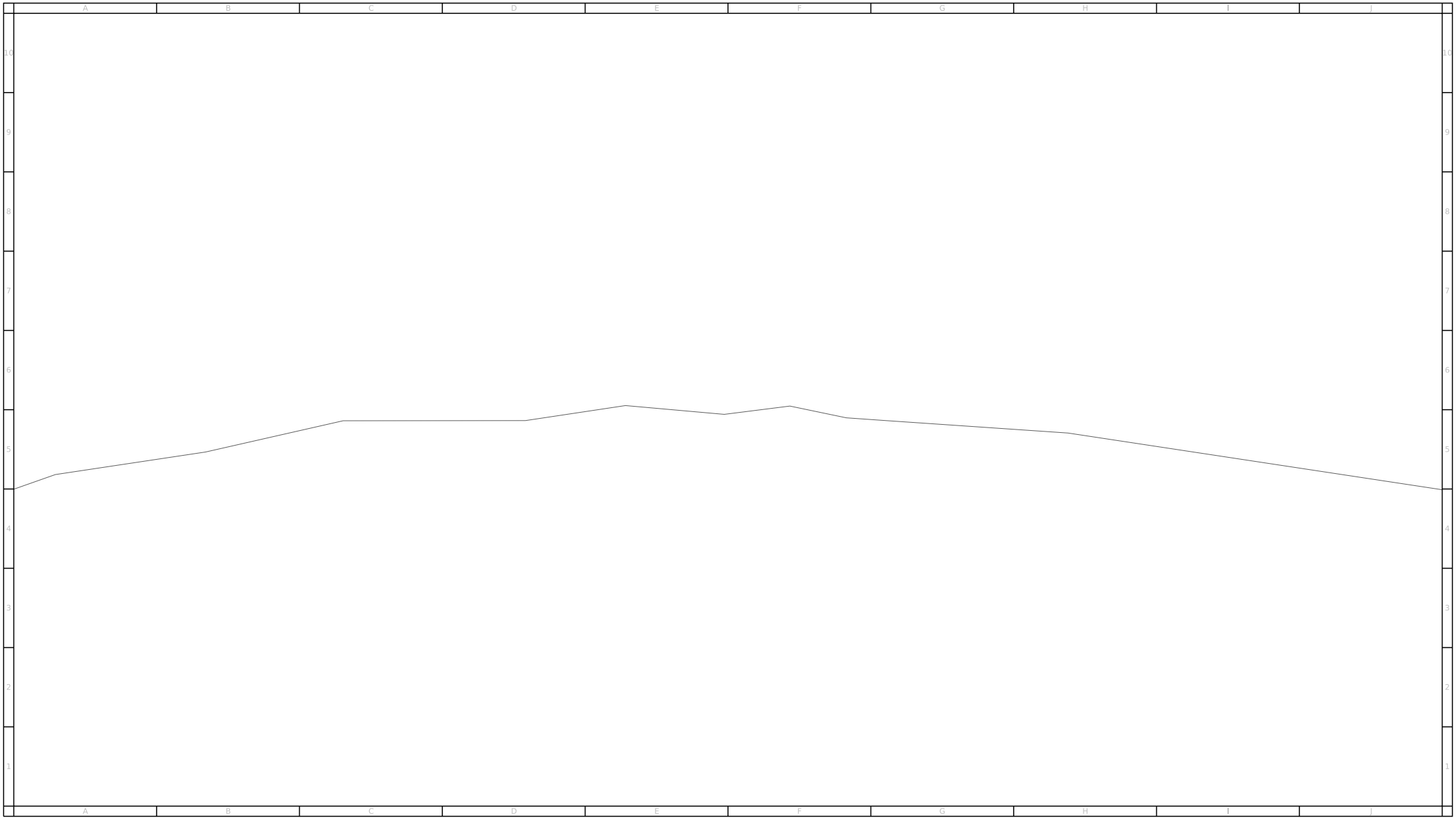
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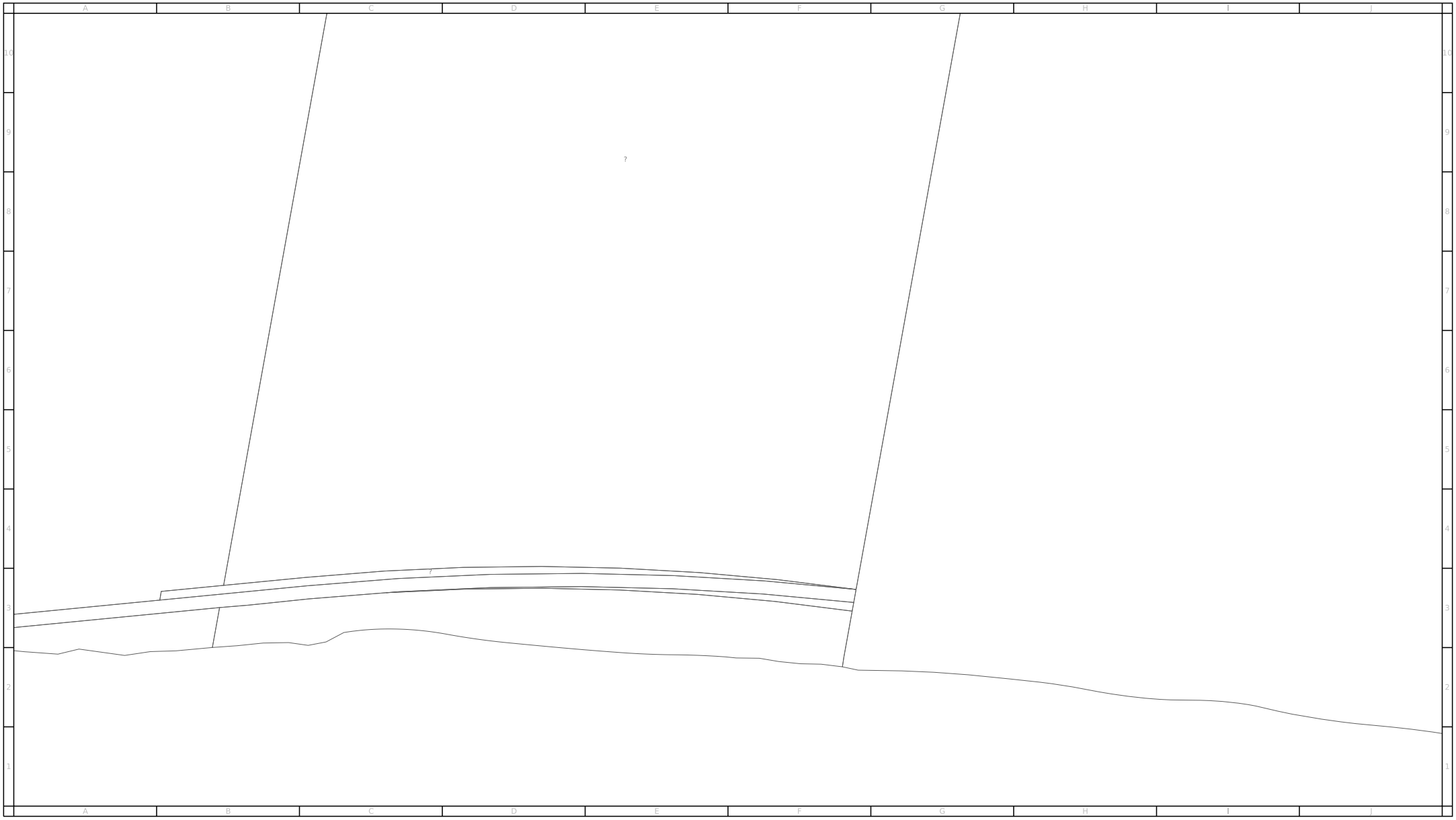
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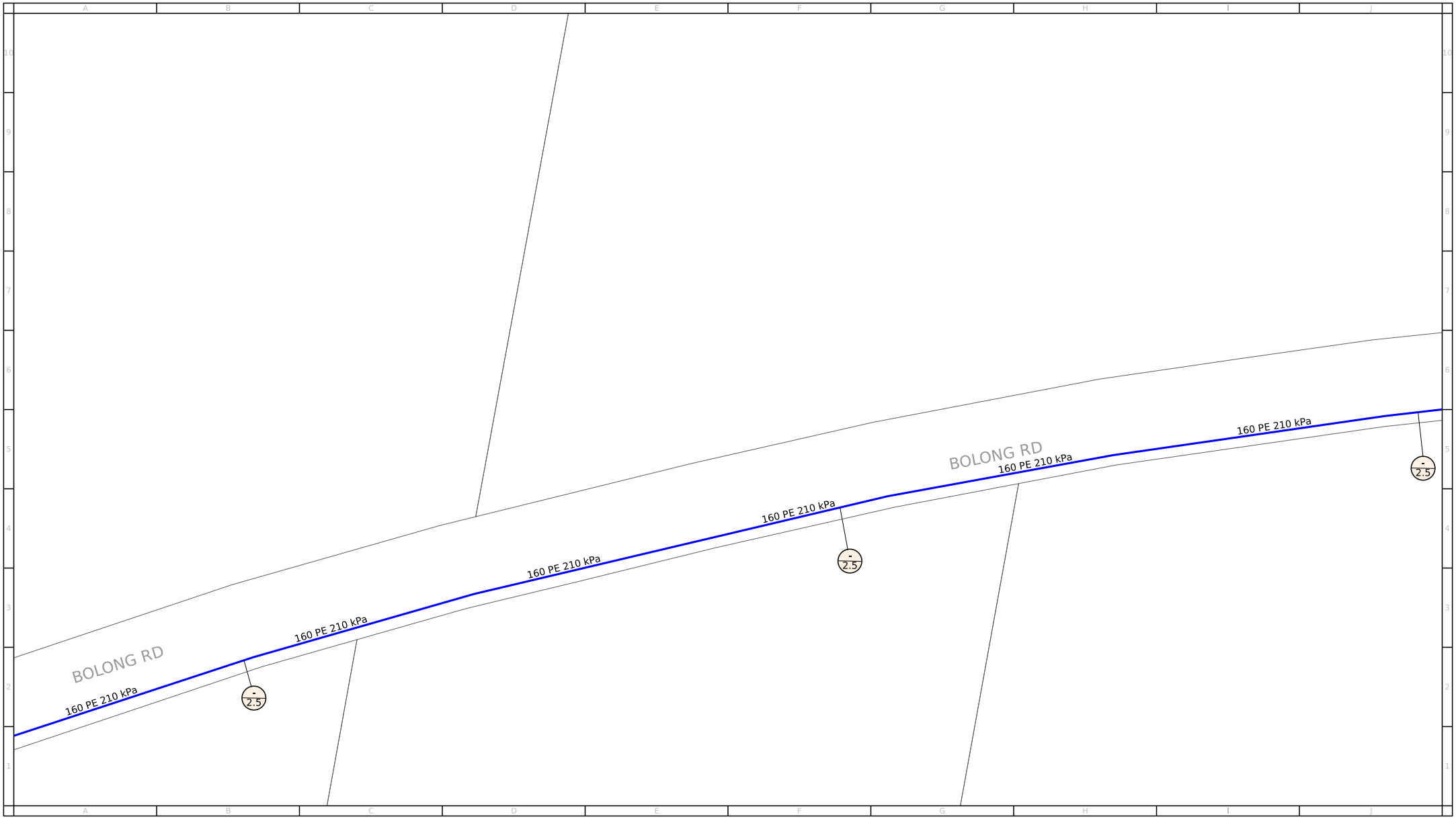
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**NBN Co NswAct**

**Referral**
266581296

**Member Phone**
1800 687 626

# Responses from this member

**Response received** Tue 13 Jan 2026 3.16pm


| File name | Page |
|---|---|
| Response Body | 31 |
| 266581296_20260113_041540457601_1.pdf | 32 |
| 4678_NBN_Dial_Before_You_Dig_Poster_20170517.pdf | 42 |
| Disclaimer_266581296_20260113_041540457601.pdf | 44 |

Hi Christopher Allen,

Please find attached the response to your DBYD referral for the address mentioned in the subject line.
The location shown in our DBYD response is assumed based off the information you have provided. If the location shown is different to the location of the excavation then this response will consequently be rendered invalid.
Take the time to read the response carefully and note that this information is only valid for 28 days after the date of issue.
If you have any further enquiries, please do not hesitate to contact us.

Regards,
Network Services and Operations
NBN Co Limited
P: 1800626329
E: dbyd@nbnco.com.au
www.nbnco.com.au

Confidentiality and Privilege Notice
This e-mail is intended only to be read or used by the addressee. It is confidential and may contain legally privileged information. If you are not the addressee indicated in this message (or responsible for delivery of the message to such person), you may not copy or deliver this message to anyone, and you should destroy this message and kindly notify the sender by reply e-mail. Confidentiality and legal privilege are not waived or lost by reason of mistaken delivery to you. Any views expressed in this message are those of the individual sender, except where the sender specifically states them to be the views of NBN Co Limited

Please Do Not Reply To This Mail

| | |
|---|---|
| **To:** | Christopher Allen |
| **Phone:** | Not Supplied |
| **Fax:** | Not Supplied |
| **Email:** | chris@enrs.com.au |

| | |
|---|---|
| **Dial before you dig Job #:** | 52094040 |
| **Sequence #** | 266581296 |
| **Issue Date:** | 13/01/2026 |
| **Location:** | 250 Bolong Road , Bolong , NSW , 2540 |

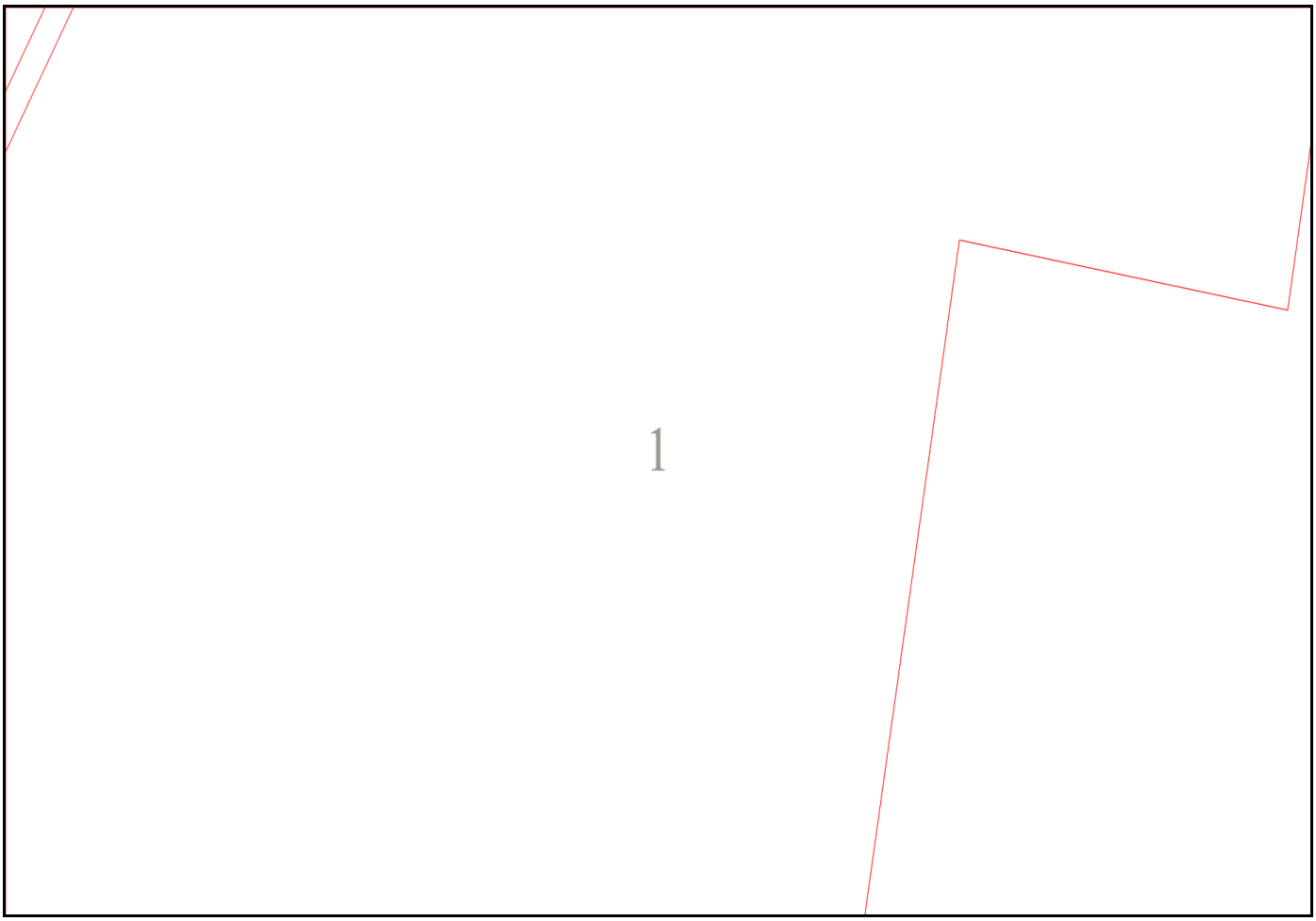
BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

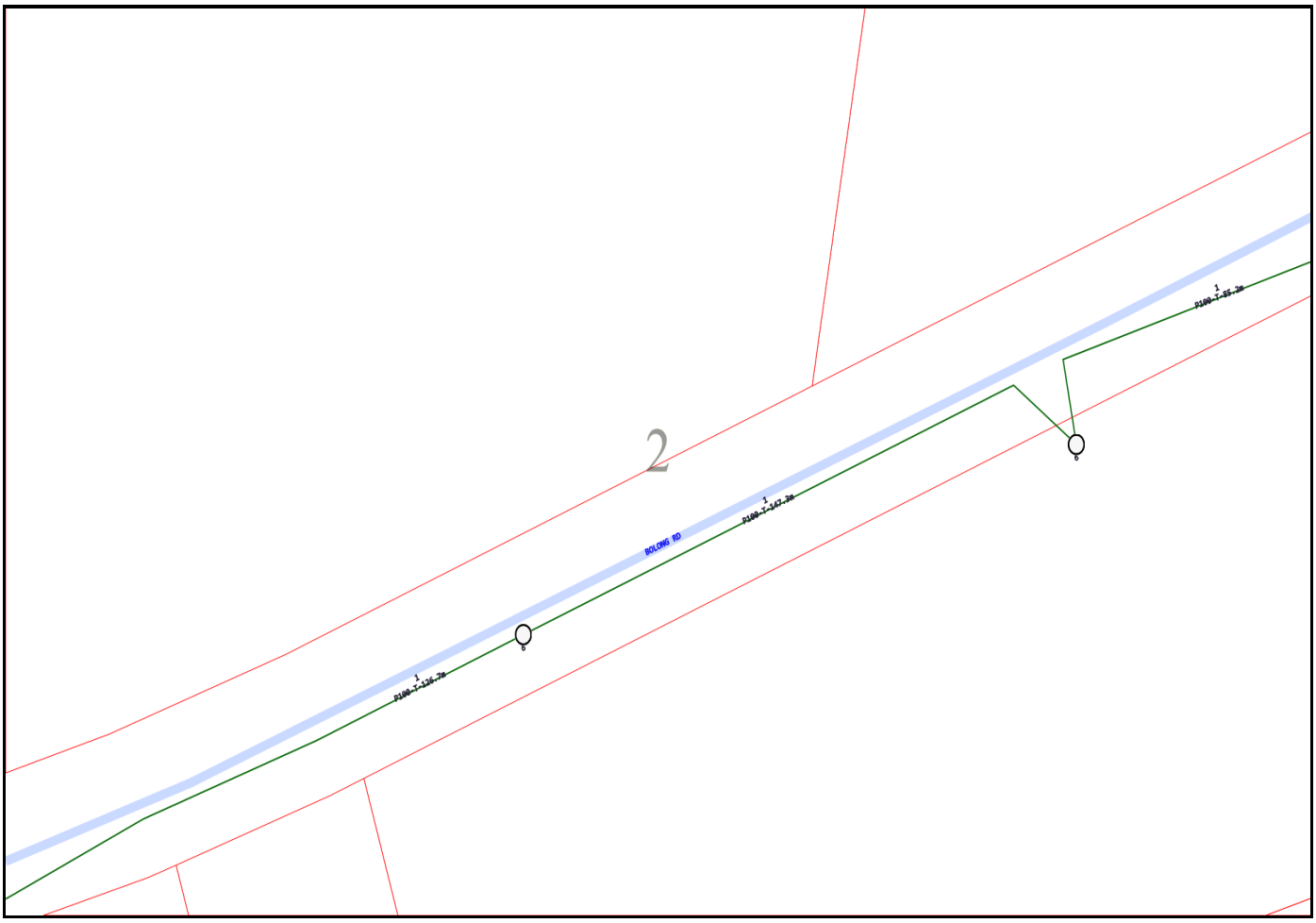
## Indicative Plans are tiled below to demonstrate how to layout and read nbn asset plans

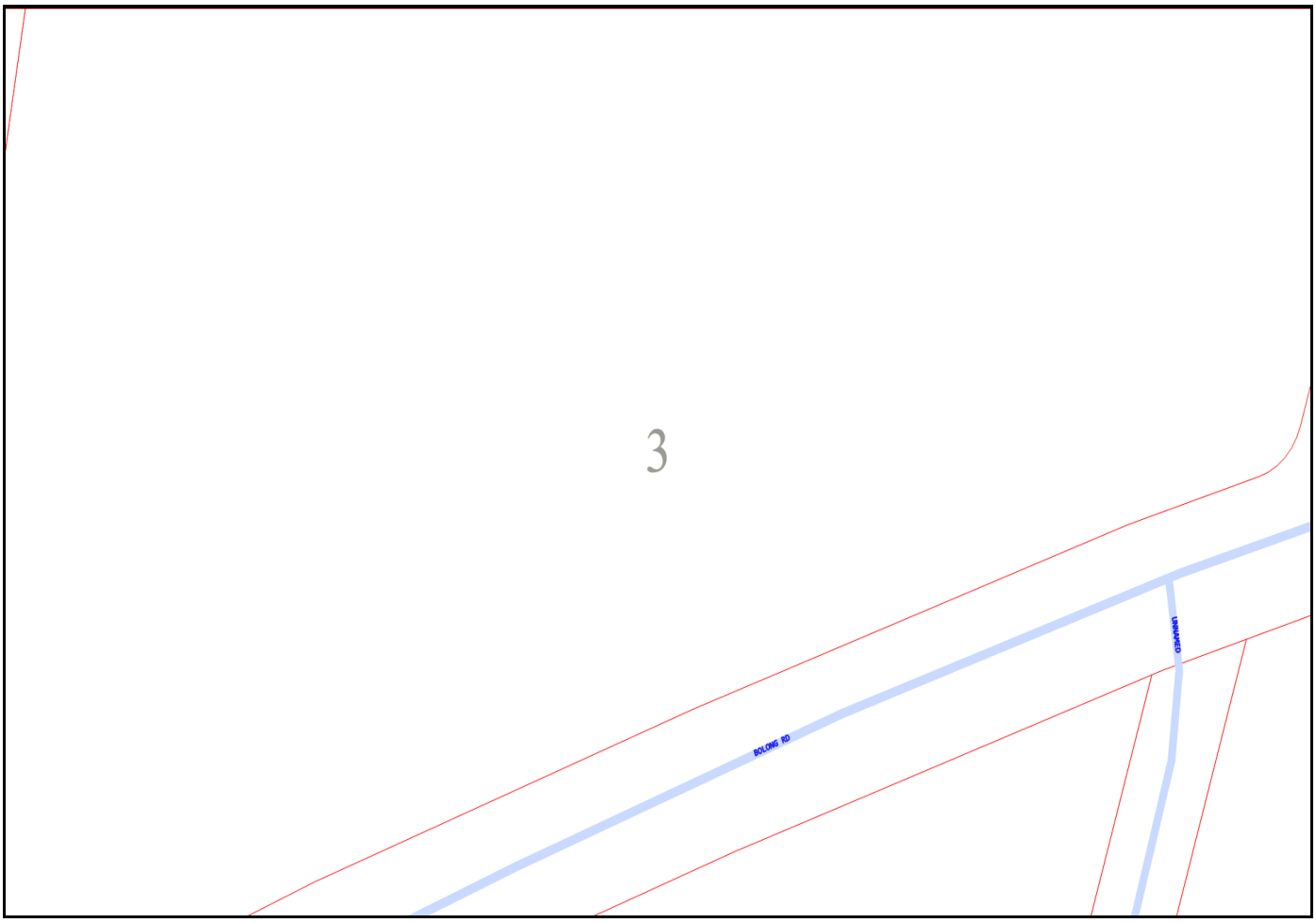
| | | | |
|---|---|---|---|
| 1 | 3 | 5 | 7 |
| 2 | 4 | 6 | 8 |

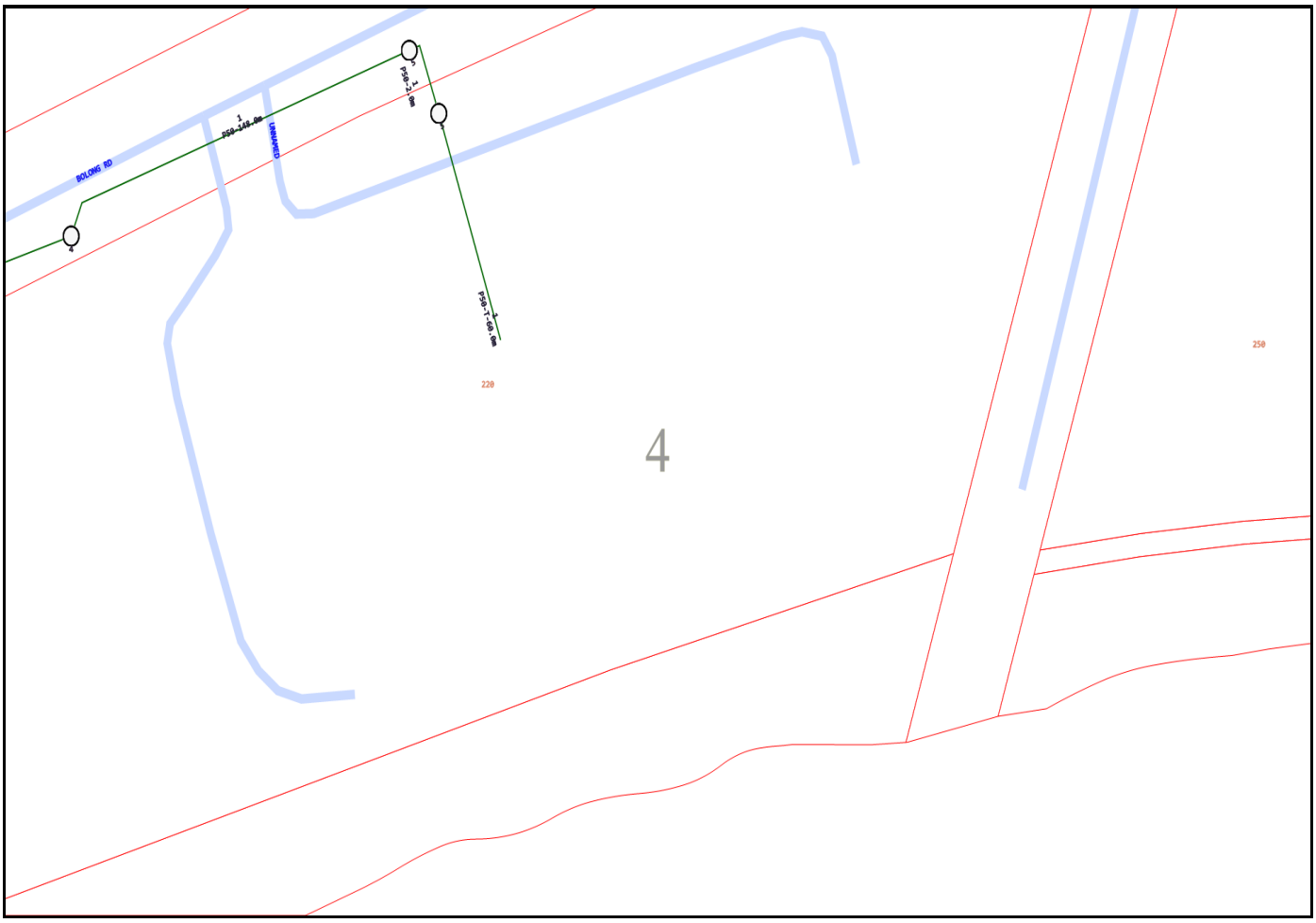
# LEGEND

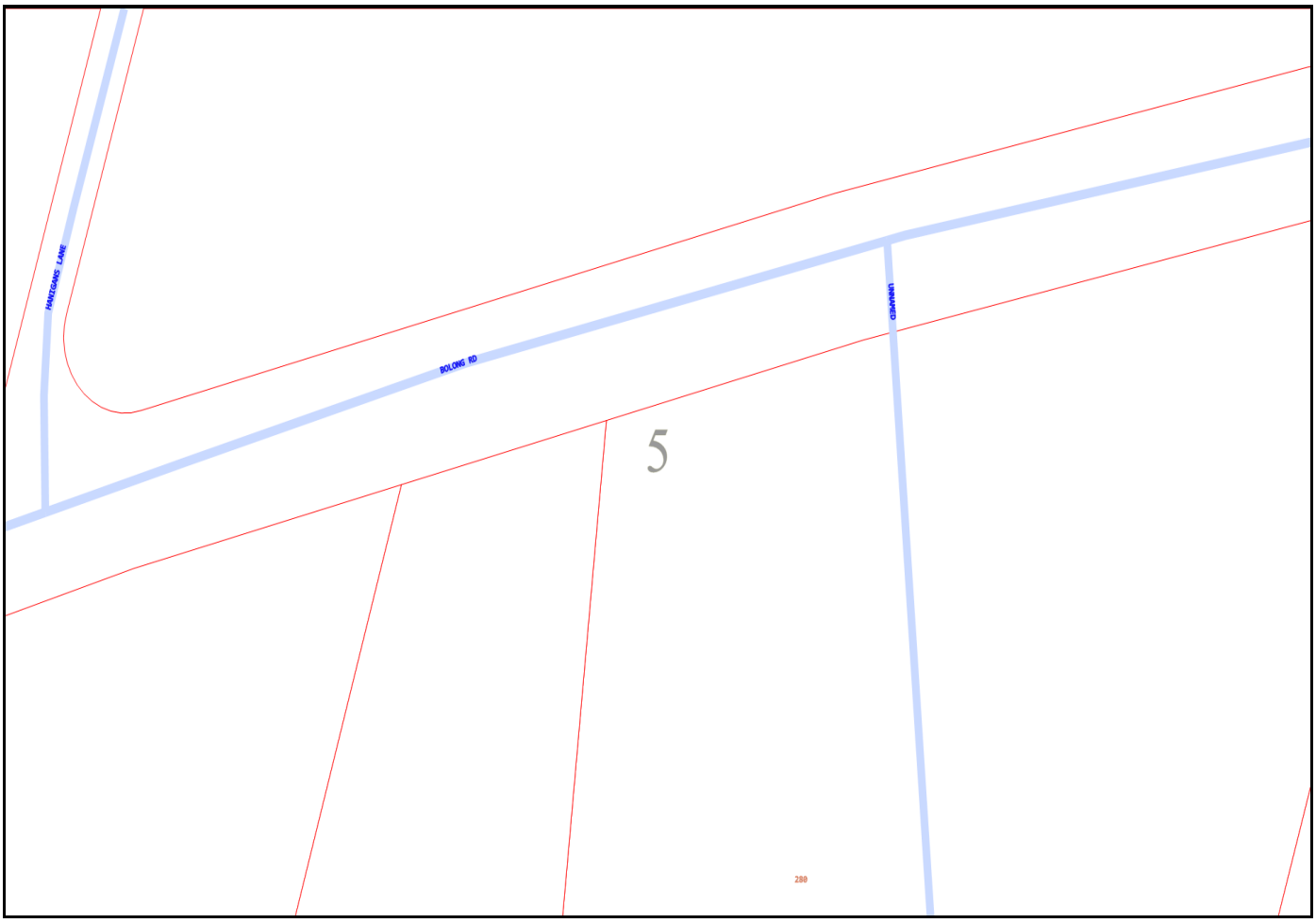
| | |
|---|---|
| 34 | Parcel and the location |
| 5 | Pit with size "5" |
| 2E | Power Pit with size "2E".<br>Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null. |
| | Manhole |
| | Pillar |
| 2<br>PO – T- 25.0m<br>P40 – 20.0m<br>5 9 | Cable count of trench is 2.<br>One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart.<br>One 40mm PVC conduit (P40) owned by NBN, between pits of sizes, "5" and "9" are 20.0m apart. |
| 2<br>10.0m<br>5 9 | 2 Direct buried cables between pits of sizes ,"5" and "9" are 10.0m apart. |
| 5 9 | Trench containing any INSERVICE/CONSTRUCTED (Copper/RF/Fibre) cables. |
| 5 9 | Trench containing only DESIGNED/PLANNED (Copper/RF/Fibre/Power) cables. |
| 5 9 | Trench containing any INSERVICE/CONSTRUCTED (Power) cables. |
| BROADWAY ST | Road and the street name "Broadway ST" |
| Scale | 0 20 40 60 Meters<br>1:2000<br>1 cm equals 20 m |

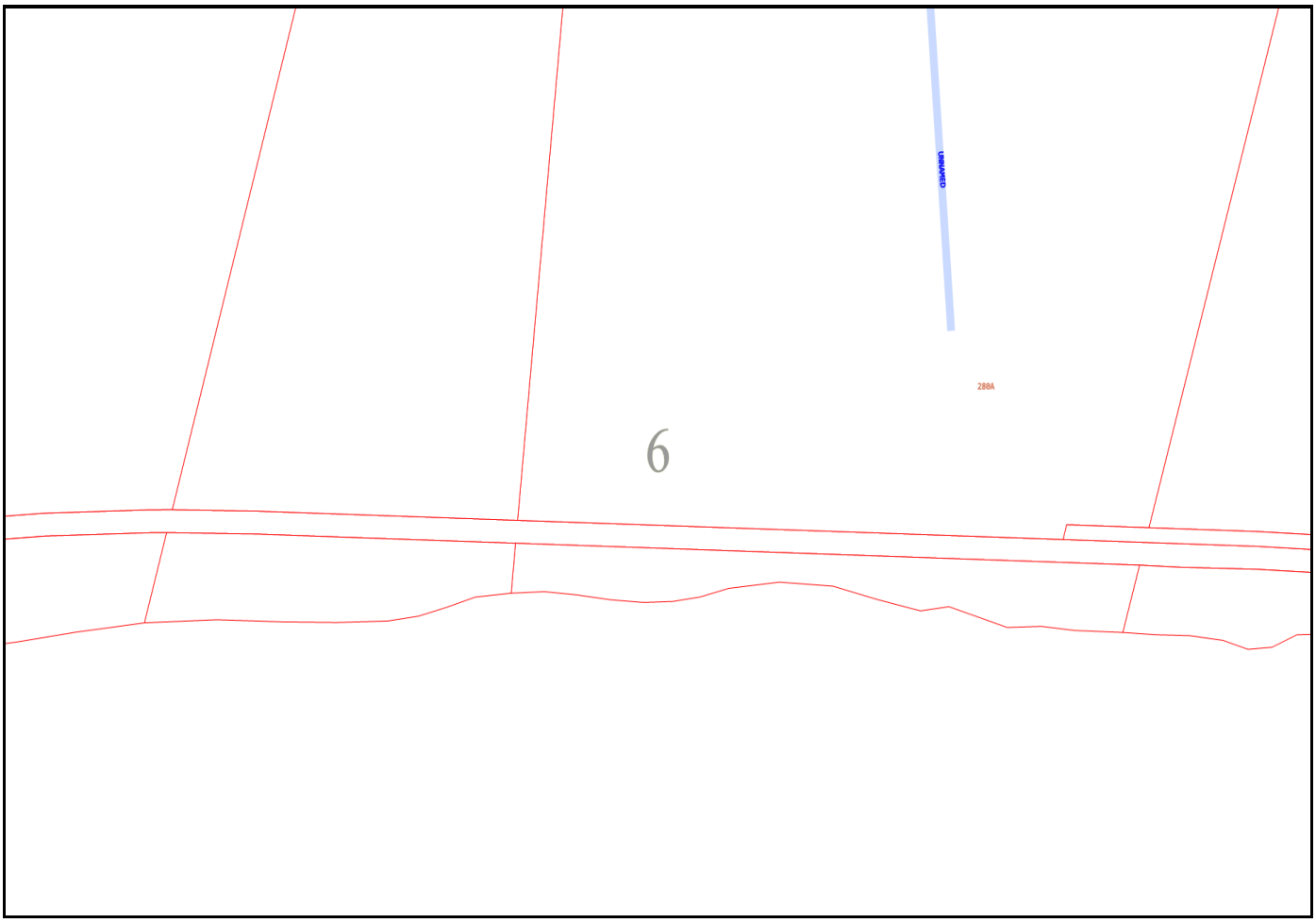

1

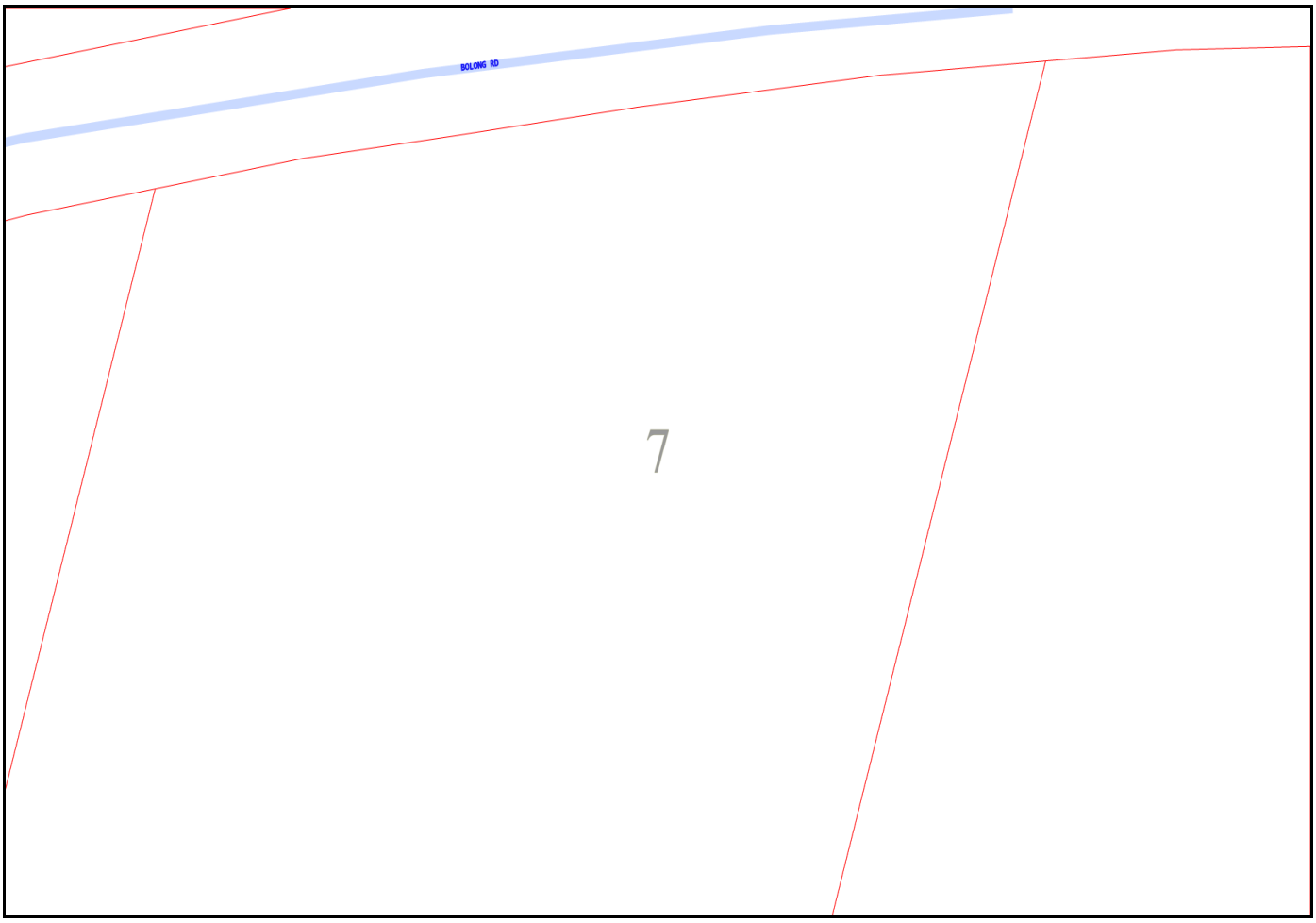

2
BOLONG RD
1
P100-T-136-7B
1
P100-T-147-7B
1
P100-T-85-7B

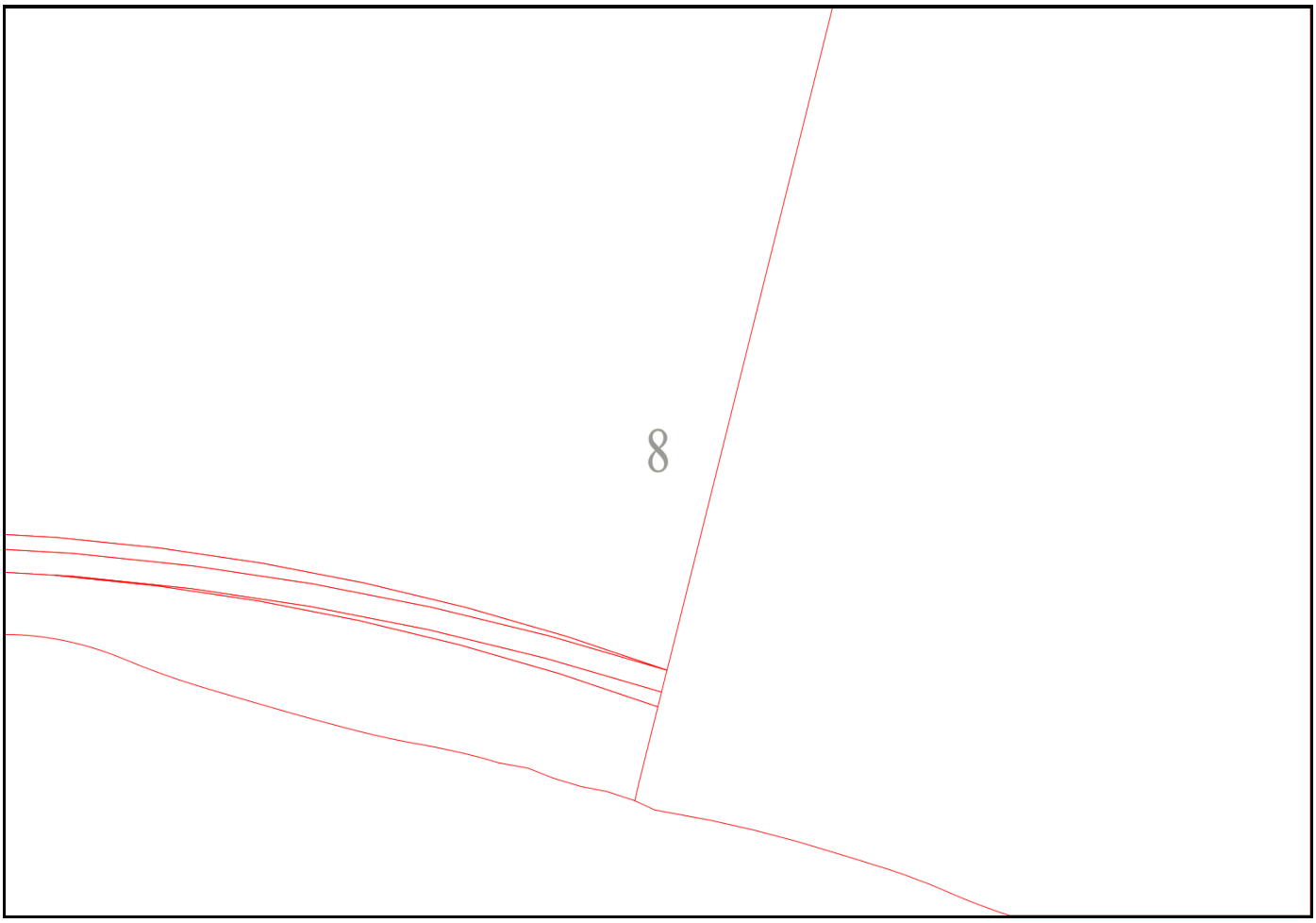

3
BOLONG RD
UNNAMED


BOLONG RD
UNNAMED
250
220
4


HANSONS LANE
BOLONG RD
LIVERED
5
280


UNNAMED
280A
6


BOLONG RD
7




## Emergency Contacts

You must immediately report any damage to the **nbn™** network that you are/become aware of. Notification may be by telephone - 1800 626 329.



# Working near nbn™ cables

**nbn** has partnered with Dial Before You Dig to give you a single point of contact to get information about **nbn** underground services owned by **nbn** and other utility/service providers in your area including communications, electricity, gas and other services. Contact with underground power cables and gas services can result in serious injury to the worker, and damage and costly repairs. You must familiarise yourself with all of the Referral Conditions (meaning the referral conditions referred to in the DBYD Notice provided by **nbn**).

## Practice safe work habits

Once the DBYD plans are reviewed, the Five P's of Excavation should be adopted in conjunction with your safe work practices (which must be compliant with the relevant state Electrical Safety Act and Safe Work Australia "Excavation Work Code of Practice", as a minimum) to ensure the risk of any contact with underground **nbn** assets are minimised.

**Plan:** Plan your job by ensuring the plans received are current and apply to the work to be performed. Also check for any visual cues that may indicate the presence of services not covered in the DBYD plans.

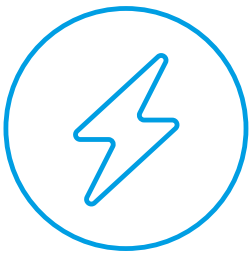
**Prepare:** Prepare for your job by engaging a DBYD Certified Plant Locator to help interpret plans and identify on-site assets. Contact **nbn** should you require further assistance.

**Pothole:** Non-destructive potholing (i.e. hand digging or hydro excavation) should be used to positively locate **nbn** underground assets with minimal risk of contact and service damage.

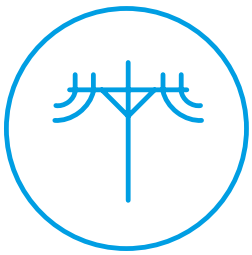
**Protect:** Protecting and supporting the exposed **nbn** underground asset is the responsibility of the worker. Exclusion zones for **nbn** assets are clearly stated in the plan and appropriate controls must be implemented to ensure that encroachment into the exclusion zone by machinery or activities with the potential to damage the asset is prevented.

**Proceed:** Proceed only when the appropriate planning, preparation, potholing and protective measures are in place.

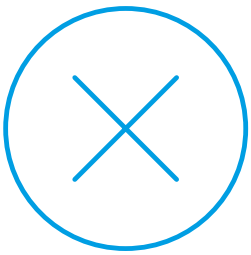
# Working near nbn™ cables



Identify all electrical hazards, assess the risks and establish control measures.



When using excavators and other machinery, also check the location of overhead power lines.



Workers and equipment must maintain safety exclusion zones around power lines.

Once all work is completed, the excavation should be re-instated with the same type of excavated material unless specified by **nbn**. Please note:

- Construction Partners of **nbn** may require additional controls to be in place when performing excavation activities.
- The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

## Contact

All nbn™ network facility damages must be reported online here.
For enquiries related to your DBYD request please call 1800 626 329.

**Disclaimer**

This brochure is a guide only. It does not address all the matters you need to consider when working near our cables. You must familiarise yourself with other material provided (including the Referral Conditions) and make your own inquiries as appropriate.

**nbn** will not be liable or responsible for any loss, damage or costs incurred as a result of reliance on this brochure.

This document is provided for information purposes only. This document is subject to the information classification set out on this page. If no information classification has been included, this document must be treated as UNCLASSIFIED, SENSITIVE and must not be disclosed other than with the consent of nbn co. The recipient (including third parties) must make and rely on their own inquiries as to the currency, accuracy and completeness of the information contained herein and must not use this document other than with the consent of nbn co. Copyright © 2021 nbn co limited. All rights reserved.

DIAL BEFORE YOU DIG
www.1100.com.au

| | |
|---|---|
| **To:** | Christopher Allen |
| **Phone:** | Not Supplied |
| **Fax:** | Not Supplied |
| **Email:** | chris@enrs.com.au |

| | |
|---|---|
| **Before You Dig Australia Job #:** | 52094040 |
| **Sequence #** | 266581296 |
| **Issue Date:** | 13/01/2026 |
| **Location:** | 250 Bolong Road , Bolong , NSW , 2540 |

## Information

The area of interest requested by you contains one or more assets.

| nbn™ Assets | Search Results |
|---|---|
| **Communications** | Asset identified |
| **Electricity** | No assets |

In this notice **nbn™ Facilities** means *underground fibre optic, telecommunications and/or power facilities, including but not limited to cables, owned and controlled by* ***nbn™***

## Location of **nbn™** Underground Assets

We thank you for your enquiry. In relation to your enquiry at the above address:

- **nbn's** records indicate that there **ARE nbn™** Facilities in the vicinity of the location identified above ("Location").
- **nbn** indicative plan/s are attached with this notice ("Indicative Plans").
- The Indicative Plan/s show general depth and alignment information only and are not an exact, scale or accurate depiction of the location, depth and alignment of **nbn™** Facilities shown on the Plan/s.
- In particular, the fact that the Indicative Plans show that a facility is installed in a straight line, or at uniform depth along its length cannot be relied upon as evidence that the facility is, in fact, installed in a straight line or at uniform depth.
- You should read the Indicative Plans in conjunction with this notice and in particular, the notes below.
- You should note that, at the present time, the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables. As such, consistent with the notes below, particular care must be taken by you to make your own enquiries and investigations to precisely locate any power cables and manage the risk arising from such cables accordingly.
- The information contained in the Indicative Plan/s is valid for 28 days from the date of issue set out above.You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators, e.g BYDA Certified Locators, at your cost to locate **nbn™** Facilities during any activities you carry out on site).

We thank you for your enquiry and appreciate your continued use of the Before You Dig Australia Service. For any enquiries related to moving assets or Planning and Design activities, please visit the **nbn** Commercial Works website to complete the online application form. If you are planning to excavate and require further information, please email dbyd@nbnco.com.au or call 1800 626 329.

**Notes:**

1. You are now aware that there are **nbn™** Facilities in the vicinity of the above property that could be damaged as a result activities carried out (or proposed to be carried out) by you in the vicinity of the Location.
2. You should have regard to section 474.6 and 474.7 of the *Criminal Code Act 1995* (CoA) which deals with the consequences of interfering or tampering with a telecommunications facility. Only persons authorised by **nbn** can interact with **nbn's** network facilities.
3. Any information provided is valid only for **28 days** from the date of issue set out above.

# Referral Conditions

The following are conditions on which **nbn** provides you with the Indicative Plans. By accepting the plans,you are agreeing to these conditions. These conditions are in addition, and not in replacement of, any duties and obligations you have under applicable law.

1. **nbn** does not accept any responsibility for any inaccuracies of its plans including the Indicative Plans. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators, e.g BYDA Certified Locators, at your cost to locate **nbn™** Facilities during any activities you carry out on site).
2. You acknowledge that **nbn** has specifically notified you above that the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables.
3. You should not assume that **nbn™** Facilities follow straight lines or are installed at uniformed depths

along their lengths, even if they are indicated on plans provided to you. Careful onsite investigations are essential to locate the exact position of cables.

4. In carrying out any works in the vicinity of **nbn™** Facilities, you must maintain the following minimum clearances:
   - 300mm when laying assets inline, horizontally or vertically.
   - 500mm when operating vibrating equipment, for example: jackhammers or vibrating plates.
   - 1000mm when operating mechanical excavators.
   - Adherence to clearances as directed by other asset owner's instructions and take into account any uncertainty for power cables.
5. You are aware that there are inherent risks and dangers associated with carrying out work in the vicinity of underground facilities (such as **nbn™** fibre optic,copper and coaxial cables,and power cable feed to **nbn™** assets).Damage to underground electric cables may result in:
   - Injury from electric shock or severe burns, with the possibility of death.
   - Interruption of the electricity supply to wide areas of the city.
   - Damage to your excavating plant.
   - Responsibility for the cost of repairs.
6. You must take all reasonable precautions to avoid damaging **nbn™** Facilities. These precautions may include but not limited to the following:
   - All excavation sites should be examined for underground cables by careful hand excavation. Cable cover slabs if present must not be disturbed. Hand excavation needs to be undertaken with extreme care to minimise the likelihood of damage to the cable, for example: the blades of hand equipment should be aligned parallel to the line of the cable rather than digging across the cable.
   - If any undisclosed underground cables are located, notify **nbn** immediately.
   - All personnel must be properly briefed, particularly those associated with the use of earth-moving equipment, trenching, boring and pneumatic equipment.
   - The safety of the public and other workers must be ensured.
   - All excavations must be undertaken in accordance with all relevant legislation and regulations.
7. You will be responsible for all damage to **nbn™** Facilities that are connected whether directly, or indirectly with work you carry out (or work that is carried out for you or on your behalf) at the Location. This will include, without limitation, all losses expenses incurred by **nbn** as a result of any such damage.
8. You must immediately report any damage to the **nbn™** network that you are/become aware of. Notification may be by telephone - 1800 626 329.
9. Except to the extent that liability may not be capable of lawful exclusion, **nbn** and its servants and agents and the related bodies corporate of **nbn** and their servants and agents shall be under no liability whatsoever to any person for any loss or damage (including indirect or consequential loss or damage) however caused (including, without limitation, breach of contract negligence and/or breach of statute) which may be suffered or incurred from or in connection with this information sheet or any plans(including Indicative Plans) attached hereto. Except as expressly provided to the contrary in this information sheet or the attached plans(including Indicative Plans), all terms, conditions, warranties, undertakings or representations (whether expressed or implied) are excluded to the fullest extent permitted by law.

All works undertaken shall be in accordance with all relevant legislations, acts and regulations applicable to the particular state or territory of the Location. The following table lists all relevant documents that shall be considered and adhered to.

| State/Territory | Documents |
|---|---|
| **National** | Work Health and Safety Act 2011 |
| | Work Health and Safety Regulations 2011 |
| | Safe Work Australia - Working in the Vicinity of Overhead and Underground Electric Lines (Draft) |
| | |

| | |
|---|---|
| | Occupational Health and Safety Act 1991 |
| **NSW** | Electricity Supply Act 1995 |
| | Work Cover NSW - Work Near Underground Assets Guide |
| | Work Cover NSW - Excavation Work: Code of Practice |
| **VIC** | Electricity Safety Act 1998 |
| | Electricity Safety (Network Asset) Regulations 1999 |
| **QLD** | Electrical Safety Act 2002 |
| | Code of Practice for Working Near Exposed Live Parts |
| **SA** | Electricity Act 1996 |
| **TAS** | Tasmanian Electricity Supply Industry Act 1995 |
| **WA** | Electricity Act 1945 |
| | Electricity Regulations 1947 |
| **NT** | Electricity Reform Act 2005 |
| | Electricity Reform (Safety and Technical) Regulations 2005 |
| **ACT** | Electricity Act 1971 |

Thank You,

**nbn BYDA**

Date: 13/01/2026

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## Shoalhaven Water

**Referral**
266581295

**Member Phone**
(02) 4429 3214

# Responses from this member

**Response received** Tue 13 Jan 2026 3.20pm

| File name | Page |
|---|---|
| Response Body | 49 |
| 266581295 - Shoalhaven City C Plan.pdf | 50 |
| Shoalhaven City Council - Important Information.pdf | 59 |

Shoalhaven Water

www.shoalhaven.nsw.gov.au

Date: 13 Jan 2026

## To: Christopher Allen

**Please DO NOT SEND A REPLY to this email as it has been automatically generated and replies are not monitored.**

Thank you for your BYDA enquiry (referenced below)—please ensure that you read the attached documentation, as it contains important information including essential steps that must be undertaken prior to commencing your intended activities.

| | |
|---|---|
| **SEQUENCE NO.:** | 266581295 |
| **JOB NO.:** | 52094040 |
| **LOCATION:** | 250 Bolong Road<br>Bolong NSW 2540 |




**DO NOT COMMENCE EXCAVATION BEFORE CALLING SHOALHAVEN WATER ON 02 4429 3214 PLEASE HAVE YOUR SEQUENCE NUMBER READY**

**Important Notice**

This enquiry response, including any associated documentation, has been assessed and compiled from the information detailed within the BYDA enquiry outlined above. **Please ensure that the BYDA enquiry details and this response accurately reflect your proposed works.**

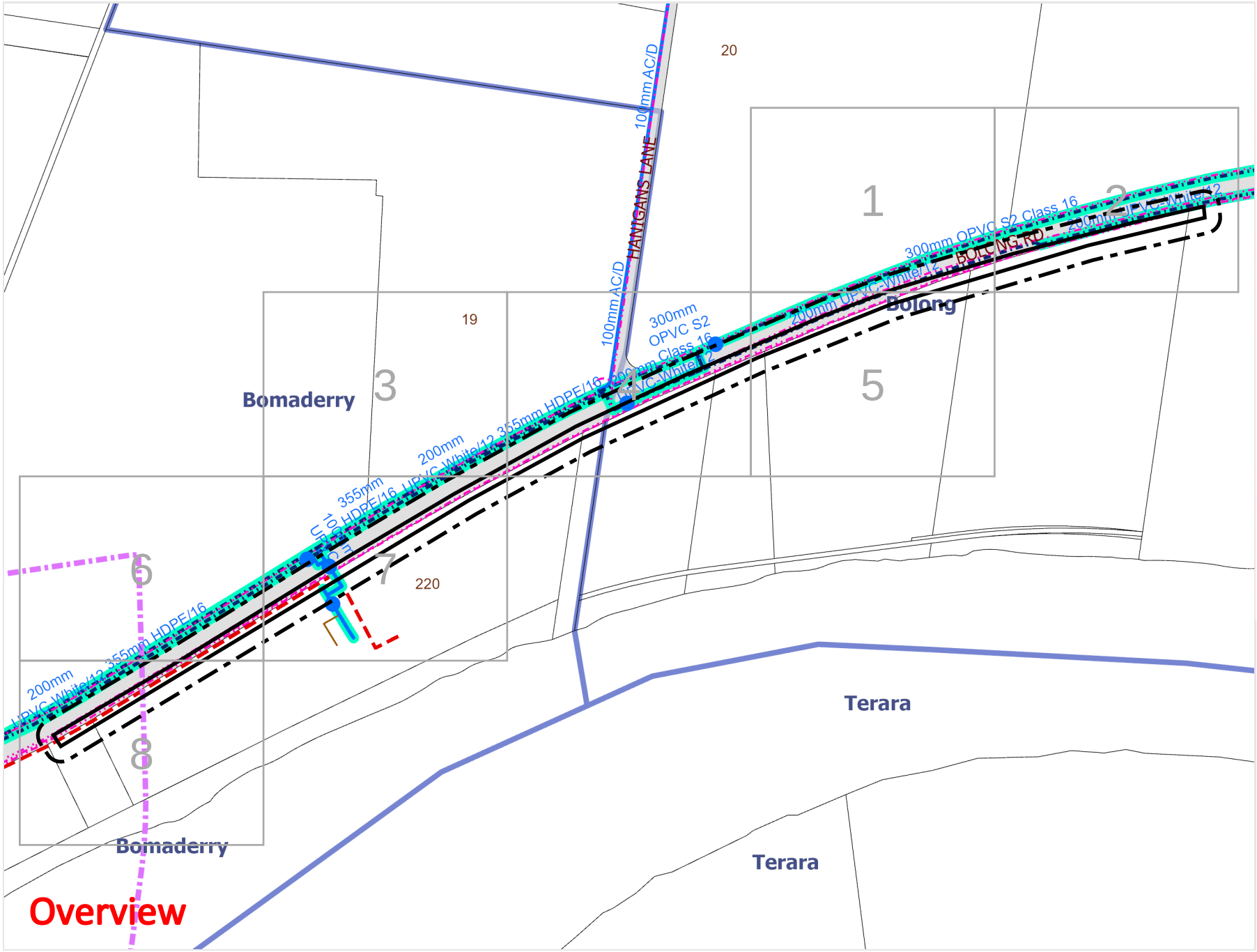
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If you are unable to launch any of the files for viewing and printing, you may need to download and install free viewing and printing software such as Adobe Acrobat Reader (for PDF files)

Shoalhaven Council's Water Utility
WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540




## Legend

**General**
- Critical Main
- Abandoned Main
- Under Construction
- Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve

**REMS**
- Distribution Main
- Transfer Main
- Tertiary Treated Effluent Release Main
- Short Service Main
- Long Service Main

**Water**
- Hydrant
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**Sewer**
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- Low Pressure Sewer Main
- Discharge Pipe
- Junction Line
- Side Line

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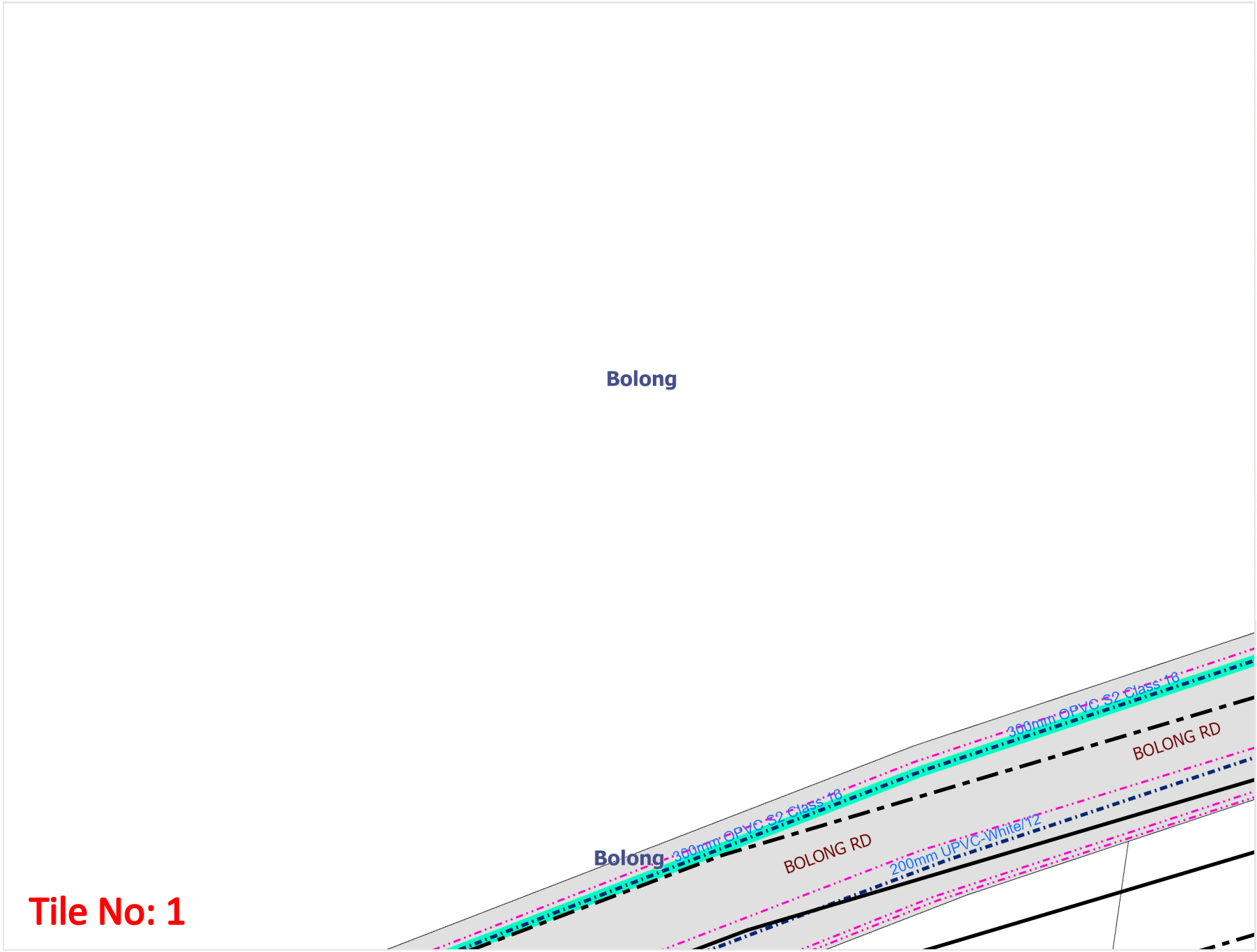
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Expires: 10 Feb 2026

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Shoalhaven Council's Water Utility
WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540

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## Legend

**General**
- Critical Main
- Abandoned Main
- Under Construction
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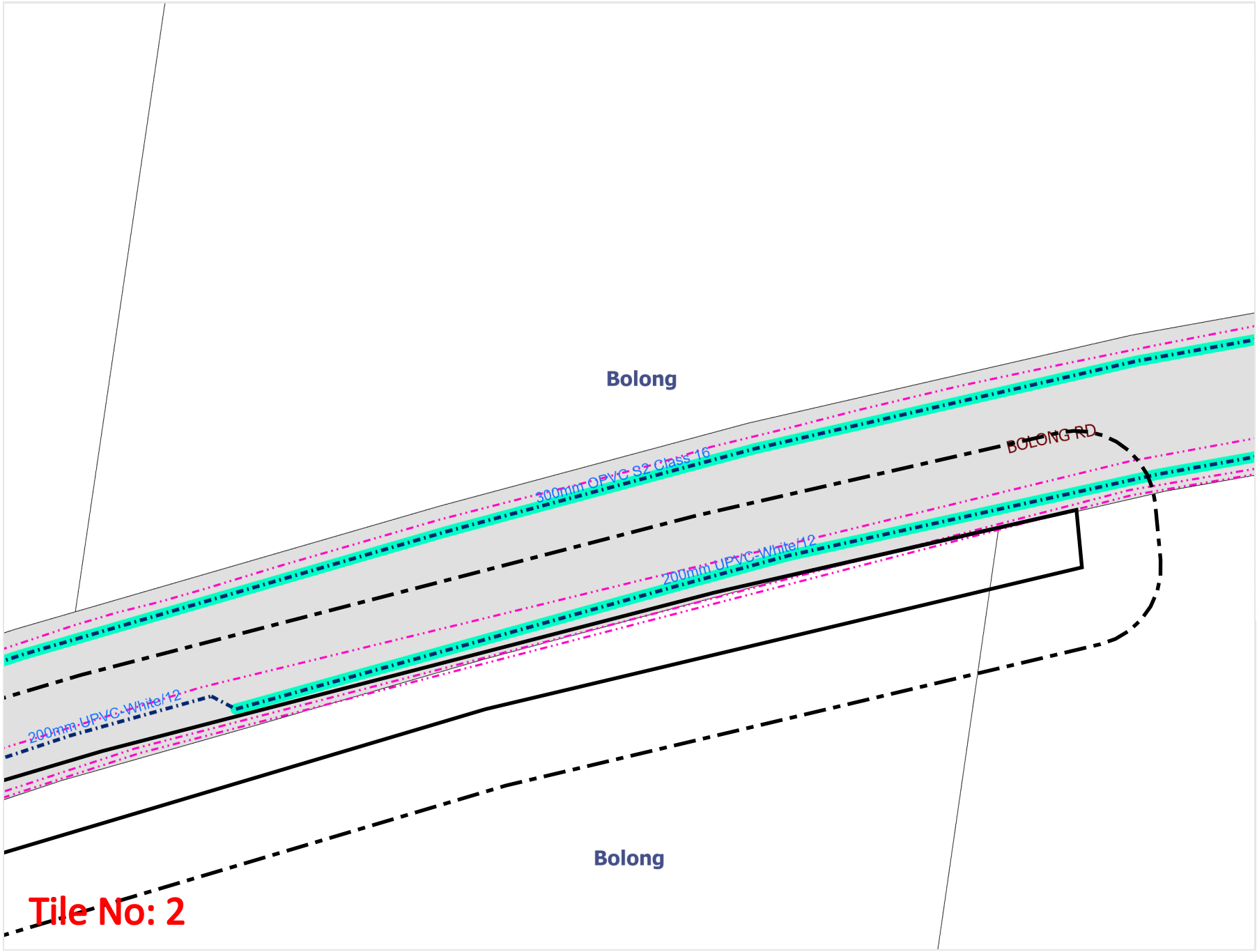
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Expires: 10 Feb 2026

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**Tile No: 1**

Shoalhaven Council's Water Utility
WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540




## Legend

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**General**
- Critical Main
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**REMS**
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Scale: 1:1000
Expires: 10 Feb 2026

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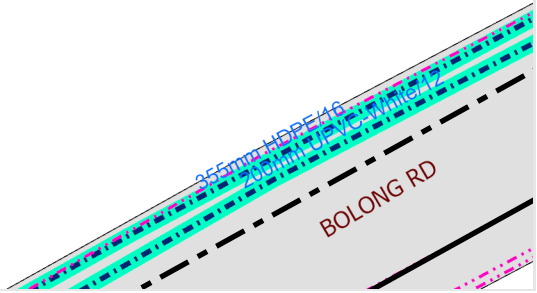
Shoalhaven Council's Water Utility WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540

19

Bomaderry

Bomaderry




**Tile No: 3**

## Legend

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**General**
- Critical Main
- Abandoned Main
- Under Construction
- Concrete Encasement
- Pipe Encasement
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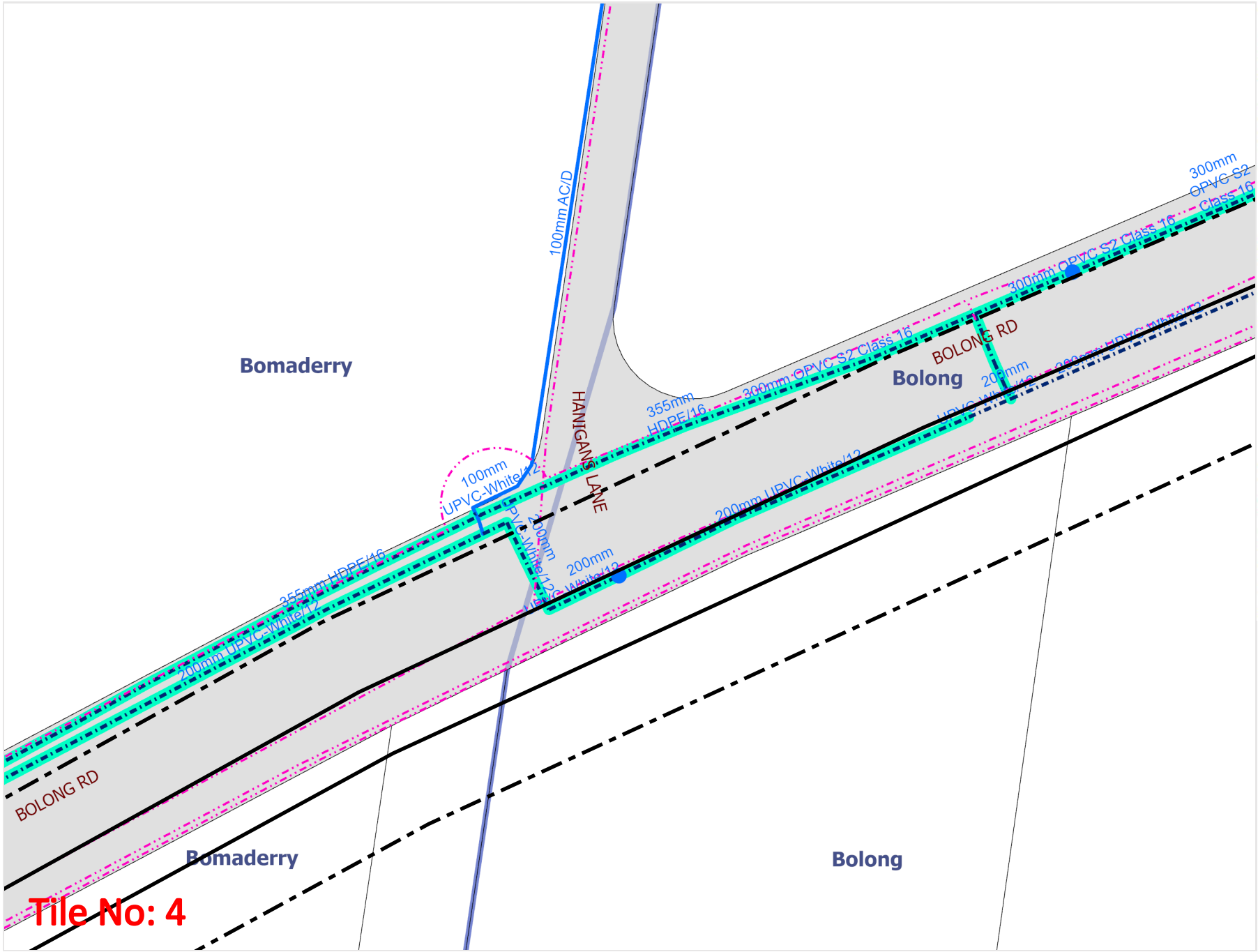
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Shoalhaven Council's Water Utility
WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540




## Legend

**General**
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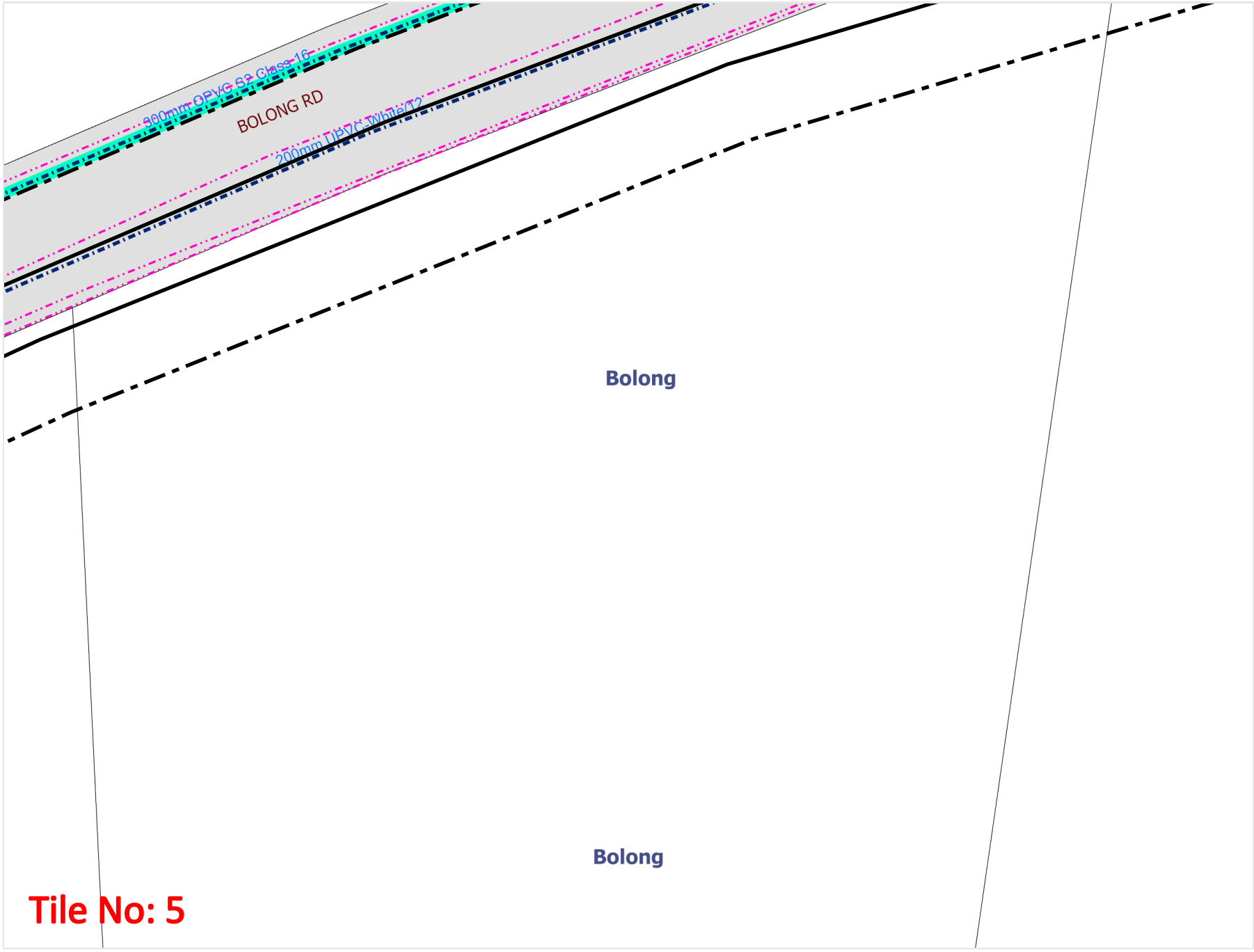
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Shoalhaven Council's Water Utility
WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540




## Legend

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**General**
- Critical Main
- Abandoned Main
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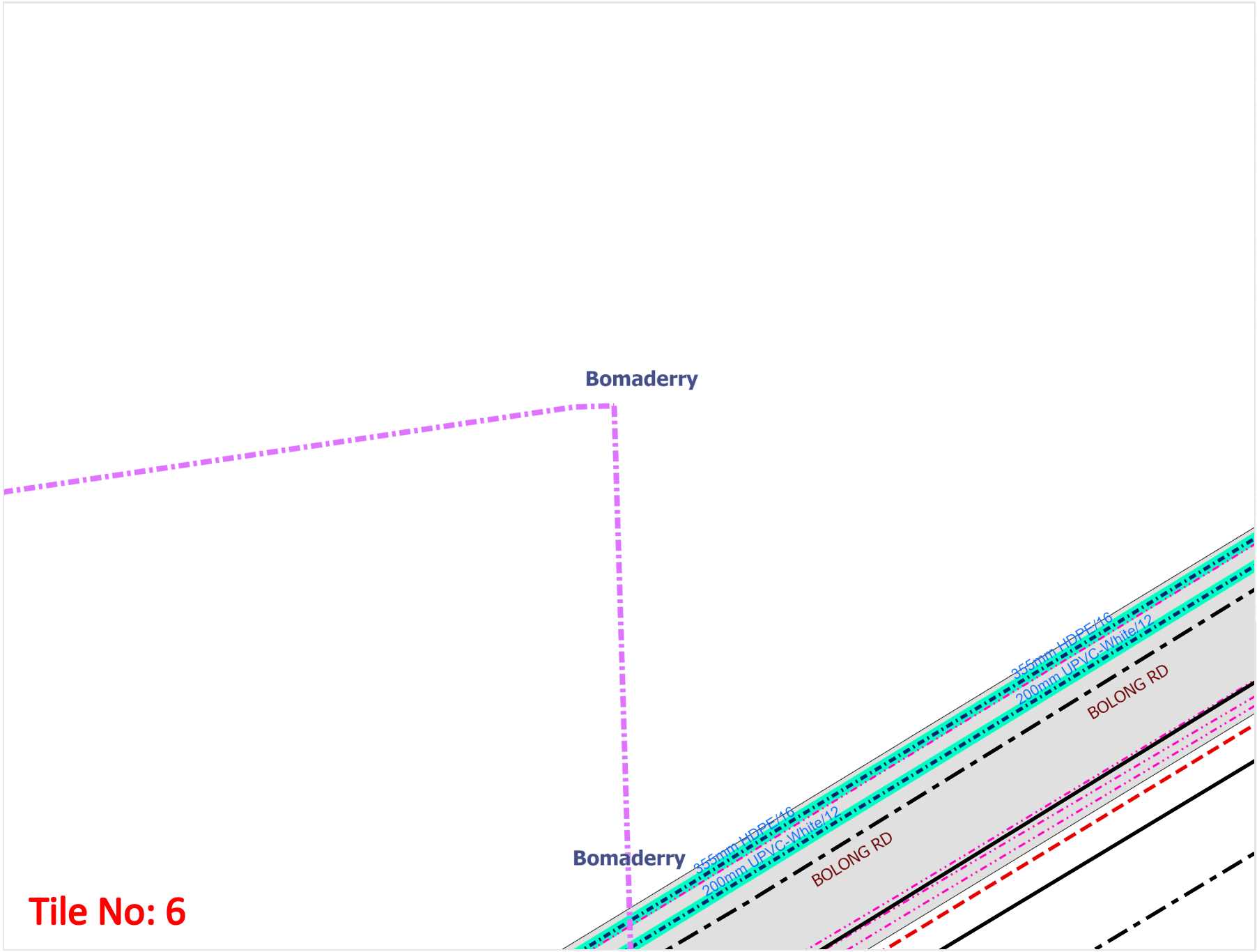
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Shoalhaven Council's Water Utility
WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540

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**Tile No: 6**

## Legend

**General**
- Critical Main
- Abandoned Main
- Under Construction
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**REMS**
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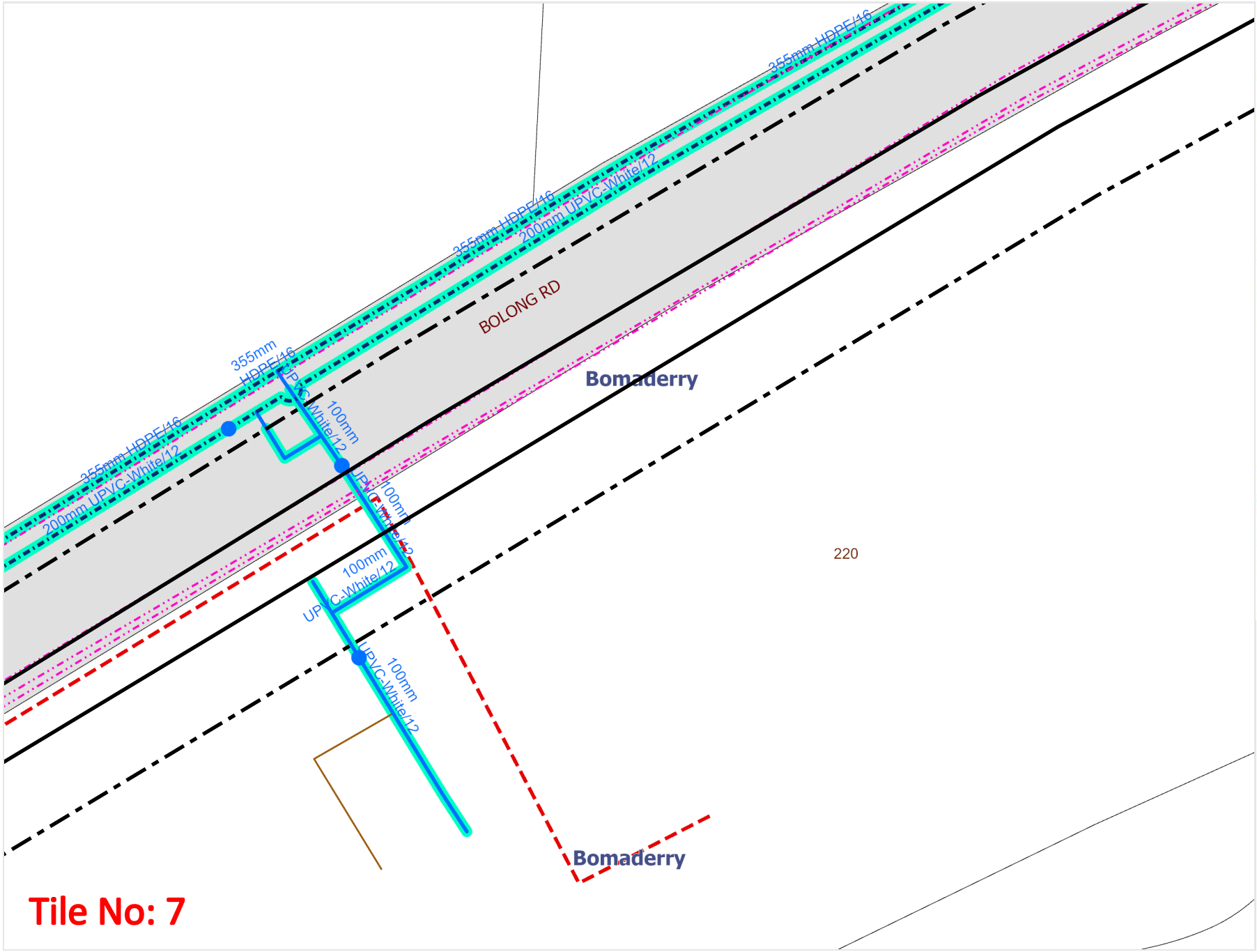
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Scale: 1:1000
Expires: 10 Feb 2026

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Shoalhaven Council's Water Utility
WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540




Tile No: 7

## Legend

**General**
- Critical Main
- Abandoned Main
- Under Construction
- Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve

**REMS**
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- Transfer Main
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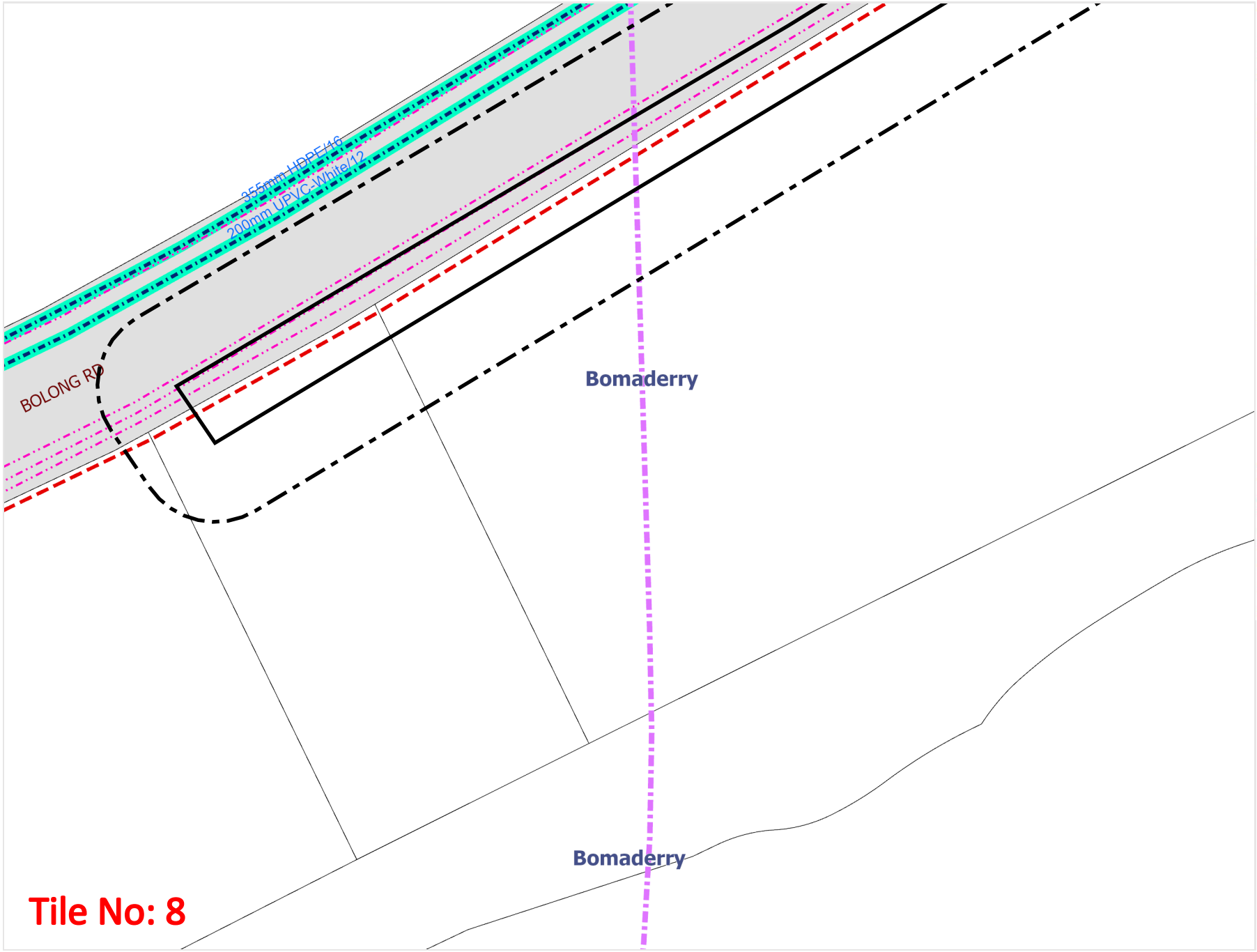
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Shoalhaven Council's Water Utility
WATER

**Sequence No:** 266581295
**Job No:** 52094040
**Location:** 250 Bolong Road, Bolong, NSW 2540




Tile No: 8

## Legend

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**General**
- Critical Main
- Abandoned Main
- Under Construction
- Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve

**REMS**
- Distribution Main
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Scale: 1:1000
Expires: 10 Feb 2026

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# IMPORTANT INFORMATION FOR CUSTOMERS

**The information contained in this document is from Shoalhaven Water regarding its underground assets. It does not cover assets by any other authorities.**

Please read and understand all the information below.

- Plans provided by Shoalhaven Water only show assets owned or controlled by the Shoalhaven Water. Please note, water service lines between the main and property meters are not shown but are generally perpendicular to the water main between the main and the water meter.
- The completeness and accuracy of Shoalhaven Water's infrastructure cannot be guaranteed, and the plans provided are indicative only.
- Shoalhaven Water may provide a more accurate site location and marking service. To request this service or to obtain details please phone Shoalhaven Water on **(02) 4429 3214**. Fees & charges may apply.
- Private sewer and drainage plans for residential properties may be available from The Council Building Services. Please contact Development and Environmental Health Group **(02) 4429 3111**.
- Please also note that a Section 138 Roads Act Approval is required prior to any works in the road(s). This form is available on at the website (http://www.shoalhaven.nsw.gov.au/SCC-Forms)
- For the location of utility services, Shoalhaven Water suggests contracting a qualified services locator.

**DUTY OF CARE**

- When digging in the vicinity of underground assets, persons should observe the requirements of the Work Near Underground Assets Guideline published by the Work Cover Authority and other relevant guidelines and legislation.
- When excavating in The Council area, it is the responsibility of the owner or any consultant or contractor engaged by the owner to always obtain plans from the Council at least five days prior to the commencement of work.
- Dig safely. Prior to commencement of mechanical excavation, underground assets must be located by non-evasive excavation e.g. pot holing, vacuum excavation.
- It is an offence to pollute waters. In the case of contamination of the excavation with sediment or de-watering, you will need to refer to Section 120 of Protection of the Environment Operations Act, 1997. If De-watering, an application for a groundwater licence (under part 5 of the Water Act 1912) is required from the NSW Office of Water.
- Any information displayed incorrectly on Shoalhaven Water's plans should immediately be reported to Shoalhaven Water on **(02) 4429 3214**.

**ANY DAMAGE TO A SHOALHAVEN WATER/COUNCIL ASSET MUST BE IMMEDIATELY REPORTED TO SHOALHAVEN CITY COUNCIL ON (02) 4429 3214**

Shoalhaven Water and Council reserves the right to recover compensation for loss or damage and repairs costs to any of its assets irrespective of provision of plans or undertaking locations on site.

**FURTHER ASSISTANCE**

Any further assistance in locating Shoalhaven Water's underground assets can be obtained by calling Shoalhaven Water on **(02) 4429 3214**.

# Telstra NSW South

**Referral**
266581300

**Member Phone**
1800 653 935

## Responses from this member

**Response received** Tue 13 Jan 2026 4.07pm

| File name | Page |
|---|---|
| Response Body | 61 |
| 266581300.dwf | Excluded |
| AccreditedPlantLocators 2025-12-17b.pdf | 63 |
| Telstra Duty of Care v33.0a.pdf | 64 |
| Telstra Map Legend v4_0c.pdf | 66 |

**Attention:** Christopher Allen

**Site Location:** 250 Bolong Road, Bolong, NSW 2540

**Your Job Reference:** ENRS3413.r2

**Please do not reply to this email, this is an automated message -**
Thank you for requesting Telstra information via Before You Dig Australia (BYDA). This response contains Telstra Information relating to your recent request.

| | |
|---|---|
| Accredited Plant Locator | General Contact Information including applications required to view Cable Plans - DWF & PDF |
| Telstra Duty of Care v33.0a | Your responsibility and Legal requirements working near Telstra's Assets |
| Telstra Map Legend v4_0c | Common Symbols on Cable Plans and Safe Clearance distances when working near Telstra Assets |

Please note:
When working in the vicinity of telecommunications plant you have a 'Duty of Care' that must be observed.
Ensure you read all documents (attached) - they contain important information.
In particular please read and familiarise yourself with the Before you Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation https://www.byda.com.au/before-you-dig/best-practice-guides/, as these documents set out the essential steps that must be undertaken prior to commencing construction activities.

| | | |
|---|---|---|
| Best practice guides and the five P's of safe excavation | These are the essential steps to be undertaken prior to commencing construction activities | Essential Steps : Link<br><br>5 P's: Link |
| | Telstra highly recommends using Certified Locators | CERTLOC : Link |
| **1800 653 935**<br>Telstra Plan Services | Whenever in doubt please contact this number for Telstra BYDA map related enquiries email Telstra.Plans@team.telstra.com | Note: that Telstra plans are only valid for **60** days from the date of issue |
| How to Report Damage to Telstra Equipment | If you think you have damaged Telstra Assets, please Report it ASAP. | Call: **13 22 03**<br><br>Report Online: Link |

| | |
|---|---|
|  | It is a criminal offence under the ‘Criminal code act 1995’ to tamper or interfere with Telecommunications infrastructure. Telstra will take action to recover compensation for the damage caused to property and assets, and for interference with the operation of Telstra's networks and customer service. |
|  | Telstra plans contain confidential information and are provided on the basis that they are used solely for identifying location or vicinity of Telstra's infrastructure to avoid damage to this infrastructure occurring as part of any digging or other excavation activity. You must not use Telstra's plans for any other purpose or in a way that will cause loss or damage. You must comply with any other terms of access to the data that have been provided by you by Telstra (including conditions of use or access). |

**WARNING - MAJOR CABLES and/or OPTIC FIBRE IN THE AREA.**
**Phone 1800 653 935 for further assistance.**

Note: In some areas Telstra fibre routes may be marked as "Amcom", as Telstra has purchased much of this infrastructure. If in doubt, please contact Telstra Plan services on the number above. Telstra plans and information are only valid for 60 days from the date of issue.

**WARNING:**
Telstra plans and location information conform to Quality Level ’D' of the Australian Standard AS 5488 - Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing them. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy. Further on site investigation is required to validate the exact location of Telstra assets prior to commencing work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works. See the **Before You Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation** https://www.byda.com.au/before-you-dig/best-practice-guides/.

Please note that:
- it is a criminal offence under the *Criminal Code Act* 1995 (Cth) to tamper or interfere with telecommunications infrastructure.
- Telstra will take action to recover compensation for damage caused to property and assets, and for interference with the operation of Telstra’s networks and customers’ services.

Telstra’s plans contain Telstra’s confidential information and are provided on the basis that they are used solely for identifying the location or vicinity of Telstra’s infrastructure to avoid damage to this infrastructure occurring as part of any digging or other excavation activity. You must not use Telstra’s plans for any other purpose or in a way that will cause Telstra loss or damage and you must comply with any other terms of access to the data that have been provided to you by Telstra (including Conditions of Use or Access).

*(See attached file: Telstra Duty of Care v33.0a.pdf)*

*(See attached file: Telstra Map Legend v4_0c.pdf)*

*(See attached file: AccreditedPlantLocators 2025-12-17b.pdf)*

*(See attached file: 266581300.dwf)*

## General Information

Telstra highly recommends using Certified Locators.

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

### Before you Dig Australia – BEST PRACTISE GUIDES
https://www.byda.com.au/before-you-dig/best-practice-guides/

### OPENING ELECTRONIC MAP ATTACHMENTS –

Telstra Cable Plans are generated automatically in either PDF or DWF file types.
Dependent on the site address and the size of area selected.
You may need to download and install free viewing software from the internet e.g.

DWF Map Files (all sizes over A3)
Autodesk Viewer (Internet Browser) https://viewer.autodesk.com/ or
Autodesk Design Review http://usa.autodesk.com/design-review/ for DWF files.
(Windows PC)

PDF Map Files (max size A3)
Adobe Acrobat Reader http://get.adobe.com/reader/

Telstra New Connections / Disconnections
13 22 00

Telstra Protection & Relocation: 1800 810 443 (AEST business hours only).
Email
Telstra Protection & Relocation Fact Sheet: Link
Telstra Protection & Relocation Home Page Link

Telstra Aerial Assets Group (overhead network)
1800 047 909

## Protect our Network:

**by maintaining the following distances from our assets:**

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



# Before You Dig Australia

## Think before you dig

This document has been sent to you because you requested plans of the Telstra network through Before You Dig Australia (BYDA).

If you are working or excavating near telecommunications cables, or there is a chance that cables are located near your site, you are responsible to avoid causing damage to the Telstra network.

Please read this document carefully. Taking your time now and following the BYDA's Best Practices and 5 Ps of Safe Excavation https://www.byda.com.au/before-you-dig/best-practice-guides/

can help you avoid damaging our network, interrupting services, and potentially incurring civil and criminal penalties.

Our network is complex and working near it requires expert knowledge. Do not attempt these activities if you are not qualified to do so.

# Disclaimer and legal details

*Telstra advises that the accuracy of the information provided by Telstra conforms to Quality Level D as defined in AS5488-2013.

It is a criminal offence under the Criminal Code Act 1995 (Cth) to tamper or interfere with telecommunications infrastructure.

Telstra will also take action to recover costs and damages from persons who damage assets or interfere with the operation of Telstra's networks.

By receiving this information including the indicative plans that are provided as part of this information package you confirm that you understand and accept the risks of working near Telstra's network and the importance of taking all the necessary steps to confirm the presence, alignments and various depths of Telstra's network. This in addition to, and not in replacement of, any duties and obligations you have under applicable law.

When working in the vicinity of a telecommunications plant you have a "Duty of Care" that must be observed. Please read and understand all the information and disclaimers provided below.

The Telstra network is complex and requires expert knowledge to interpret information, to identify and locate components, to pothole underground assets for validation and to safely work around assets without causing damage. If you are not an expert and/or qualified in these areas, then you must not attempt these activities. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers. Construction activities and/or any activities that potentially may impact on Telstra's assets must not commence without first undertaking these steps. Construction activities can include anything that involves breaking ground, potentially affecting Telstra assets.

If you are designing a project, it is recommended that you also undertake these steps to validate underground assets prior to committing to your design.

This Notice has been provided as a guide only and may not provide you with all the information that is required for you to determine what assets are on or near your site of interest. You will also need to collate and understand all information received from other Utilities and understand that some Utilities are not a part of the BYDA program and make your own enquiries as appropriate. It is the responsibility of the entities arranging for the works to be performed, supervising the works, and undertaking the works to protect Telstra network during excavation / construction works.

Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose.

Telstra plans or other details are provided only for the use of the applicant, its servants, agents, or CERTLOC Certified Locating Organisation (CLO). The applicant must not give the plans or details to any parties other than these and must not generate profit from commercialising the plans or details. If the Applicant is aware of another party or parties about to perform or performing works at the location, it should ensure that the other party or parties have lodged a BYDA enquiry and obtained plans for that location. If you are undertaking excavations works you must follow the 5Ps of Safe Excavation. The 5 Ps of Safe Excavation are set out in the video in the below link.

https://www.byda.com.au/education/resources/

Telstra, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and or details so supplied to the applicant, its servants and agents, and the applicant agrees to indemnify Telstra against any claim or demand for any such loss or damage.

Please ensure Telstra plans and information provided always remains on-site throughout the inspection, location, and construction phase of any works.

Telstra plans are valid for 60 days after issue and must be replaced if required after the 60 days.

## Data Extraction Fees

In some instances, a data extraction fee may be applicable for the supply of Telstra information. Typically, a data extraction fee may apply to large projects, planning and design requests or requests to be supplied in non-standard formats. For further details contact Telstra Location Intelligence Team.

Telstra does not accept any liability or responsibility for the performance of or advice given by a CERTLOC Certified Locating Organisation (CLO). Certification is an initiative taken by Telstra towards the establishment and maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.

Neither the Certified Locating Organisation nor any of its employees are an employee or agent for Telstra. Telstra is not liable for any damage or loss caused by the Certified Locating Organisation or its employees.

Once all work is completed, the excavation should be reinstated with the same type of excavated material unless specified by Telstra.

The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

When using excavators and other machinery, also check the location of overhead power lines.

Workers and equipment must maintain safety exclusion zones around power lines

WARNING: Telstra plans and location information conform to Quality Level 'D' of the Australian Standard AS 5488 - Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK. A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works. The exact position of Telstra assets can only be validated by physically exposing them. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

## Privacy Note

Your information has been provided to Telstra by BYDA to enable Telstra to respond to your BYDA request. Telstra keeps your information in accordance with its privacy statement. You can obtain a copy at www.telstra.com.au/privacy or by calling us at 1800 039 059 (business hours only).

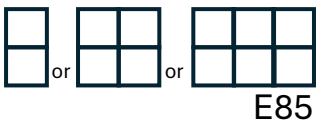
# LEGEND

| | |
|---|---|
| **Leadin terminates at a Customer Address** | Cable Jointing Pit<br>Number / Letter indicating Pit type/size |
| **Exchange**<br>Major Cable Present | Elevated Joint<br>(above ground joint on buried cable) |
| Pillar / Cabinet<br>Above ground Free Standing | Telstra Plant in shared Utility trench |
| Above ground Complex Equipment<br>Please note: Powered by 240v electricity | Aerial cable / or cable on wall |
| OC — Other Carrier Telecommunication Cable/ Asset.<br>Not Telstra Owned | Aerial cable<br>(attached to joint use Pole e.g., Power Pole) |
| DIST — Distribution cables in Main Cable Ducts | Marker Post Installed |
| MC — Main Cable ducts on a Distribution Plan | Buried Transponder |
| Blocked or Damaged Duct | Marker Post & Transponder |
| Footway Access Chamber<br>(can vary between 1-lid to 12-lid | Optical Fibre Cable Direct Buried |
| NBN Pillar | Direct Buried Cable |
| Third Party Owned Network Non-Telstra | nbn owned network |




Single to Multiple Round Conduit Configurations 1,2,4,9 respectively

(attached text denotes conduit type and size)



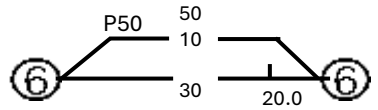

Multiple Square Conduit configurations 2,4,6 respectively

(attached text denotes conduit type and size)

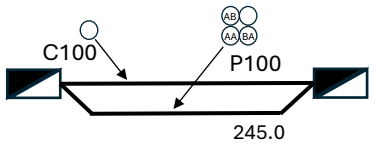
**Some examples of conduit type and size:**

A - Asbestos cement, P - PVC / Plastic, C - Concrete,
GI - Galvanised Iron, E - Earthenware
Conduit sizes nominally range from 20mm to 100mm
P50 50mm PVC conduit
P100 100mm PVC conduit
A100 100mm asbestos cement conduit

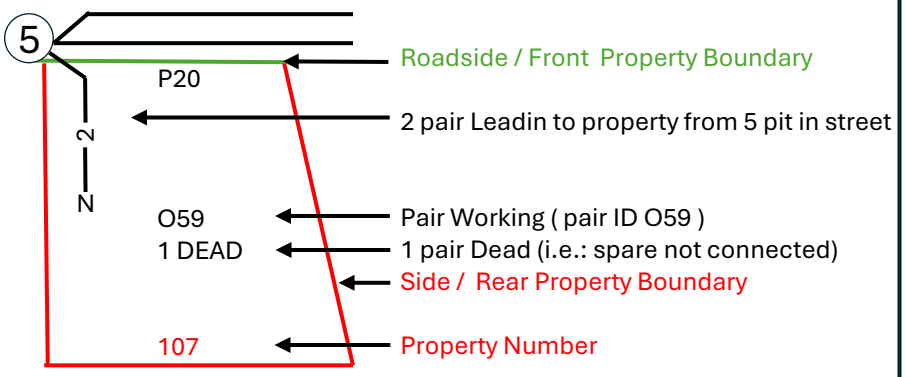
Some Examples of how to read Telstra Plans




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




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




# The 5 Ps of Safe Excavation

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

## Plan

Plan your job. Use the BYDA service at least one day before your job is due to begin, and ensure you have the correct plans and information required to carry out a safe project.

## Prepare

Prepare by communicating with asset owners if you need assistance. Look for clues onsite. Engage a Certified Locator.

## Pothole

Potholing is physically sighting the asset by hand digging or hydro vacuum extraction.

## Protect

Protecting and supporting the exposed infrastructure is the responsibility of the excavator. Always erect safety barriers in areas of risk and enforce exclusion zones.

## Proceed

Only proceed with your excavation work after planning, preparing, potholing (unless prohibited), and having protective measures in place.

**Referral**
266581297

**Member Phone**
(07) 3058 7076

# Responses from this member

**Response received** Tue 13 Jan 2026 3.19pm

| File name | Page |
|---|---|
| Response Body | 68 |
| 090-AP-F-001 - Guidelines for Working near Verbrec Pipelines.pdf | 70 |
| 090-TP-N-0116 - BYDA Work Request Form.docx | Excluded |
| 266581297.pdf | 90 |

Christopher Allen,

**RE: Before You Dig Australia Enquiry Sequence Number: 266581297.**

**The Shoalhaven Starches Bomaderry Gas Pipeline is NOT AFFECTED.**

**Your proposed works MAY NOT affect the Pipeline Refer to attachments for details.**

**If working near the pipeline please contact Verbrec to discuss your works.**

**PLEASE NOTE: This is an Automated Response. Please DO NOT REPLY to this email.**

**Please contact the BYDA Coordinator at;**

**Email: ThirdPartyWorks@verbrec.com**

**Phone: (07) 3058 7076**

**PLEASE NOTE: In some areas you may receive 2 responses Verbrec, please read these carefully as they will relate to different assets.**

**Details of Enquiry:**

Job Number: 52094040

Sequence Number: 266581297

Utility ID: 101040

Enquiry Date: 13/01/2026

Enquiry Time: 14:13

Description: Manual Excavation

BYDA Message:

**Worksite Details:**

Address Line 1: 250 Bolong Road

Address Line 2: Bolong 2540 NSW

**Enquirer Details:**

Name: Christopher Allen

Company:

Address Line 1: 12 Lovegrove Street

Address Line 2: Shoalhaven Heads 2535 NSW

Email: chris@enrs.com.au

Phone: +61478725692

*Disclaimer:  *Disclaimer: Mipela GIS (the provider of the automated system) does not guarantee the accuracy or completeness of the map included in the response PDF and does not make any warranty about the data used to generate the PDF response. Mipela (GIS) Pty Ltd is not under any liability to the user for any loss or damage (including consequential loss or damage) which the user may suffer resulting from the use of this PDF response.

ADMINISTRATIVE PROCEDURE

# Guidelines for Working near Verbrec Pipelines

## Generic (Across all Pipelines)

Operations

**19 December 2024**

090-AP-F-001
Revision 9
Review by 19/12/2026

**Verbrec Infrastructure Services Pty Ltd**

**Level 14**
**200 Mary Street**
**Brisbane Qld 4000**
**Australia**

ABN 57 058 047 046

**https://verbrec.com**

# Disclaimer

This document is prepared on behalf of and for the exclusive use of the Client. The document is issued and remains subject to the provisions of the agreement between **Verbrec Infrastructure Services Pty Ltd** and the Client. **Verbrec Infrastructure Services Pty Ltd** excludes all warranties if this document is used in any manner other than for the purpose specified in the agreement. **Verbrec Infrastructure Services Pty Ltd** accepts no liability or responsibility whatsoever for or in respect of any use of or reliance upon the content of this document by any third party.

## Approval Status

| REVISION | STATUS | PREPARED BY | CHECKED BY | APPROVED BY | DATE |
|---|---|---|---|---|---|
| 9 | Issued for Use | **Rhiley Ellis**<br>Graduate Mechanical Engineer | **Kell Hobbs**<br>HSEQ Engineer | **Adrian Hughes**<br>National Operations Manager | 19/12/2024 |
| 8 | Issued for Use | Kelleigh Hobbs | Adrian Hughes | Jarrod Woolnough | 28/11/2022 |
| 7 | Issued | Kelleigh Hobbs | Adrian Hughes | Jarrod Woolnough | 10/06/2021 |
| 6 | Issued | Kelleigh Hobbs | Adrian Hughes | Brett Shalders | 24/09/2020 |
| 5 | Issued | Kent Hughes | Laura Bulloch | Brett Shalders | 07/11/2018 |

## Amendments

| REVISION | AMENDMENT DESCRIPTION |
|---|---|
| 9 | Update required |
| 8 | Rebranding Only |
| 7 | Update to reflect OSD and location changes |
| 6 | 2 Yearly Review & Addition of Post Construction Considerations |
| 5 | 2 yearly review |



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# 1. Purpose and Scope

The purpose of this document is to provide a series of guidelines to assess external interference risks to the high-pressure gas pipelines operated by Verbrec Infrastructure Services.

External developments need to be adequately managed to ensure the integrity of transmission assets is maintained and the safety of Verbrec Infrastructure Services employees, subcontractors and the general public is not compromised.

Adherence to these guidelines will assist with maintaining compliance with the Australian Standard series of AS2885, and the *Queensland Petroleum & Gas (Production & Safety) Act 2004* and regulations.

Compliance with these guidelines does not automatically guarantee that an external development will be approved, and all developments should be assessed by a suitably qualified engineer who is familiar with the asset being developed. Any development is subject to review by Verbrec Infrastructure Services and may require entry into a Pipeline Crossing Agreement.

## 1.1 Definitions

**Table 1. Definitions**

| TERM | DEFINITION |
|---|---|
| Easement | Right of way over any land for any high-pressure gas pipeline and includes any licence granted to the pipeline owner under the Miscellaneous Transport Infrastructure Corridor ["MTIC"]. |
| Verbrec Infrastructure Services | Verbrec Infrastructure Services Pty Ltd |
| Grantee | Company who granted the easement. |
| Grantor | Registered proprietor of the land granting the easement. |
| Petroleum | Any naturally occurring hydrocarbon or mixture of hydrocarbons in a gaseous or liquid state whether occurring with or in conjunction with other substances or not and includes any product or by-product of those hydrocarbons or other substances. |
| Pipeline System | One or more systems of pipes, each of which may be used for the transportation of conveyance of natural gas and other gaseous hydrocarbons, and all ancillary surface and sub-surface works and associated facilities and equipment including, without limitation, pumps and compressors, valves, meters, fittings, facilities for cathodic protection, communication and power systems and any other works, facilities and equipment necessary or useful for the transportation of natural gas and other gaseous hydrocarbons by pipeline. |
| Pipeline Crossing Agreement | A Crossing Agreement is a legal agreement between the crossing party and the existing asset owner which outlines the access restrictions and responsibilities to that section of the easement.<br>Where an easement does not exist such as in a road easement the crossing agreement ensures the crossing party and asset owner agree on the interaction protocols and responsibility's when working in the shared space. |
| Pipeline Purposes | To lay down, construct, use, maintain, upgrade, duplicate and remove the Pipeline and all equipment, fittings and appurtenances as may be useful or convenient in connection with the Pipeline, in through under and across the Easement Area, for the |

| TERM | DEFINITION |
|---|---|
| | transportation and storage of an products or by-products or any other substance which may be transported by pipeline. |
| Prohibited Activities | (a) To excavate, directional drill, install, erect, or permit to be excavated, drilled, installed or erected on or under the Servient Tenement any pit, well, foundation, pavement or other structure or installation.<br><br>(b) To alter or disturb or permit to be altered or disturbed (other than by the process of nature) the present grades and contours of the Servient Tenement.<br><br>(c) To plant or allow being planted any foliage (including trees or shrubs) on the Servient Tenement without the prior written consent of the Grantee. |
| ROW | Right of Way |
| Pipeline Corridor | Pipeline Corridor means the pipeline pathway through the jurisdictional boundaries of the City in which the pipeline(s) and or Facilities of the Company are located, including any Rights-of- Way, Public Property, Public Ways, Other Ways, and/or easement over and through private property. |

# 2. Compliance with AS2885

It is a condition of each Petroleum Pipeline Licence that Verbrec Infrastructure Services maintain and operate the pipeline in accordance with the series of Australian Standard AS2885 (Pipelines - Gas and Liquid Petroleum).

AS2885.1 2018 contains procedural and physical measures for protection of the pipeline. In section 2.4.1 defines the respective Procedural protection measures this way:

» Where the public could be exposed to danger or where construction operations are such that there is possibility that the pipeline could be damaged by vehicles or other mobile equipment, suitable physical and/or procedural measures shall be implemented.

AS2885.1 imposes obligations on Verbrec Infrastructure Services with respect to building activities taking place on the pipeline system and within the pipeline system area.

In addition, Section 422(1) of the Petroleum and Gas (Production and Safety) Act 2004 states that "The holder of a pipeline licence must, after the pipeline has been constructed, operate it in a way that ensures its continuing capacity to safely and reliably transport petroleum, fuel gas or other substance prescribed under section 402 for which it is licensed."

Verbrec Infrastructure Services shall then ensure integrity of the pipeline asset by adhering to all references and terms in the Australian Standard (AS2885.3 2022) Pipelines – Gas and Liquid Petroleum, which applies to the operations and maintenance of the pipelines.

## 2.1 Purpose of AS2885

The purpose of the code is to ensure that development does not compromise the safe operation and maintenance of high-pressure gas pipelines, and to minimise the risk to any nearby development.

To ensure the integrity of the pipeline system and the safety of the public and the environment, it is critical that identified groups such as local and state governments,

councils, land use planners, developers, property and service designers, owners and operators, utility service contractors, construction organisations, excavators, drillers, blasting companies and borers consider the presence of the pipeline in their intended activities.

AS2885.3 (2022) sections 4 and 7 (risk assessment), shall be used in accordance with the requirements of AS2885.6 to assess:

» Pipeline System Secondary Location Identification addition to the primary location classification:
  - The Sensitive Use Location Class is specifically defined in some jurisdictions, but includes schools, hospitals, aged care facilities, and prisons.
  - The Environmental Location Class identifies locations of high environmental sensitivity to pipeline failure, including particularly areas where pipeline failure may impact on threatened ecological communities or species or where rectification of environmental damage may be difficult.
  - The Industrial Location Class applies where development for factories, warehouses, retails sales of vehicles and plant predominates.
  - The Heavy Industrial Location Class includes sites developed or zoned for use by heavy industry or for toxic industry
  - The Common Infrastructure Corridor Classification includes pipelines within reserves or easements for roads, railways, powerlines, buried cables, or other pipelines.
  - The Crowd Location Class includes sport fields, heavy traffic roads, and rural community halls.

# 3. Development Near Natural Gas Transmission Pipelines

## 3.1 Approvals

No permission or approvals for work shall be inferred, or actual work permitted for any development, construction, or work activity within the pipeline easement, without first entering into a pipeline crossing agreement or gaining approval in writing from the pipeline operator to undertake the works. The pipeline license holder will only consider entering into a pipeline crossing agreement after the proposed pipeline crossing requirement checklist has been submitted together with the appropriate supporting information.

The only form of approval that will be binding is a pipeline crossing agreement duly signed by the Pipeline license holder and the developer.

## 3.2 Process for Approvals

### 3.2.1 Applicant Requirements

For any excavation activities, easement or corridor works which Verbrec Infrastructure Services deem significant in the vicinity of the pipeline, the applicant shall:

- Undertake a BYDA
- Complete the BYDA Works Request Form which is attached to the BYDA Automated response.
- Submit preliminary layout/drawings of the proposed works for comment.
- Complete a pothole survey of the pipeline or easement (under full supervision of Verbrec Infrastructure Services personnel). This may include taking surveyed levels of the pipeline depths profile. This will determine an accurate location and depth of the pipeline for design purposes. The preferred method of pipeline depth survey is vacuum excavation.
- Submit construction plans and a completed proposed pipeline crossing requirement checklist (mandatory).
- Complete a Safety Management Study or risk assessment (as per section 3.2.2).

It is the responsibility of the developer to communicate the requirements of this document and any pipeline crossing agreement to all contractors and subcontractors who work on the development. All contractors and subcontractors working on the development shall undergo an Verbrec Infrastructure Services Right of Way (ROW) Induction.

### 3.2.2 Safety Management Study (Risk Assessment)

The Safety Management Study shall be completed in accordance with AS2885.6 "Pipelines - Gas and Liquid Petroleum – Part 6: Pipeline Safety Management".

The Safety Management Study shall:

- Involve a review of the location classification of the section, noting the requirement for special provisions in high consequence areas - as additional measures may be required, regardless of whether the location class has been modified.
- Include all entities creating, sustaining, or posing a threat to the future occupants of the proposed subdivision, or other development as proposed. This includes high pressure gas pipelines, high voltage transmission lines, and other relevant services.
- Be completed by a recognised and accredited consultant approved by Verbrec Infrastructure Services.
- Recommend actions to be completed by the Developer to ensure risks are reduced and ALARP (As Low as Reasonably Practical) criteria are met in accordance with AS2885.6. These actions may include the requirements for pipeline protection or minimum setback distances.
- Appropriately document environmental risks and describe the Applicant's method for mitigating these risks.
- Be validated by an appropriately constituted workshop in accordance with AS2885.6; and
- Plans (of not less than 1:500 scale), details and specifications of all work proposed which is adjacent to, on or near the pipeline system or easement are to be submitted to Verbrec Infrastructure Services for written approval in accordance with clause 3.7 at least four (4) weeks prior to when the work is proposed to commence.

### 3.2.3 Response To Application

- Verbrec Infrastructure Services will assess the application and submit a recommendation to the License Holder. If approved by the Pipeline License Holder. The Licence Holder will contact the crossing party regarding the crossing agreement.

- If the application is refused, the Applicant will be notified of the non-compliance condition/s.
- The License Holder has the right to revoke approval or change conditions if site conditions vary significantly from information provided or if changes are made to the development plans. Such amendments are to be notified to Verbrec Infrastructure Services.

## 3.3 Works

In accordance with the Pipeline Crossing Agreement:

- The Applicant must provide minimum of 20 days' notice of the intended work. In addition, the Applicant must have a signed pipeline crossing agreement prior to any site works commencing.
- An Verbrec Infrastructure Services pipeline operator must attend onsite and issue a permit to work onsite before any works can commence.

## 3.4 Provision of Approvals

No approval for any work to proceed above or around the Verbrec Infrastructure Services operated pipeline, or within its easements or licence area, shall be expressed or implied. The entity or contractor to perform the work must have a duly signed pipeline crossing agreement if Verbrec Infrastructure Services has specified one and a permit issued before the works can commence.

## 3.5 Conditions of Application

The conditions contained in the pipeline crossing agreement will apply to all works on easements or near the Verbrec Infrastructure Services operated pipeline.

## 3.6 Landowner's Permission

The applicant must obtain the prior written permission of the landowner to enter, remain and carry out the applicant's works on the land.

If the works are to occur on the Verbrec Infrastructure Services operated pipeline easement, the applicant must comply strictly with the terms of the easement.

If the works are to occur near the pipeline, but in an area which is not subject to an easement it's easement such as a State controlled road, a local government-controlled road, a railway reserve of any other land owned by a government or public agency which is not freehold land ("other land"), the applicant must comply with the requirements of the owner or agency responsible for the land.

Verbrec Infrastructure Services cannot take any liabilities for inaccurate information as to pipeline locations and depth measurements that may affect overall planning & design. A formal field survey by the developer under supervision from Verbrec Infrastructure Services may be necessary to determine pipeline alignment and position. Confirmation must be received in writing from Verbrec Infrastructure Services providing consent to commence works.

All approvals for works involving extinguishment or amendment to existing easements or easement agreements associated with the designated roads, parklands, forestry, or

waterways are subject to further appraisal and approval from Department of Natural Resources and Mines (DNRM), Petroleum and Gas Inspectorate, (P&G Inspectorate) and Verbrec Infrastructure Services legal representatives.

### 3.7 Submission for Approval

Plans of the proposed work must be lodged with: Verbrec Infrastructure Services

Email: ThirdPartyWorks@verbrecpipelines.com

Attention: Asset & Maintenance Contracts Engineer

Phone: 07 3058 7037

# 4. Performance Criteria

The safe operation of Verbrec Infrastructure Services operated pipelines must not be compromised by the proposal, and life and property must not be put at risk by the use of land on or near the pipeline.

Note: Compliance can be demonstrated by a qualitative risk assessment in accordance with AS2885.6, and the concurrence of Verbrec Infrastructure Services.

# 5. Infrastructure and Building Development

### 5.1 Development Adjacent to or in Proximity to a Gas Pipeline

When a rezoning, consent, subdivisional or building application involving lands or buildings situated in the vicinity of a gas pipeline is proposed, the following shall be considered:

- Whether the proposed development would prejudice public safety and the integrity of the pipeline.
- Any requirements or recommendations of the Department of Natural Resources and Mines (DNRM), Petroleum and Gas Inspectorate, (P&G Inspectorate) pertaining to such an application; and
- Compliance with AS2885.6– A Qualitative Risk Assessment of the proposal and recommendations endorsed shall be completed by the Applicant if deemed required upon application, which may involve reclassification of the location. The design criteria for high consequence areas (as defined by AS2885.1) must be satisfied.

In particular, areas to be assessed (and to be incorporated in the safety management study) are those within a nominated measurement radius of the pipelines, as defined by Verbrec Infrastructure Services in accordance with AS2885.1.

## 5.2 Prohibition of Buildings Near the Pipeline

Compliance to the AS2885 series is required to ensure that buildings or structures are constructed a safe distance from the pipeline, as determined by the pipeline design and the risk assessment. Any parties wishing to construct or erect a building/structure within the pipeline area must first consult with and obtain the approval of Verbrec Infrastructure Services. Where an easement exists, the approval of the authority administering the easement must be obtained.

### AS 2885.3-2022 s.7.5.1 Procedures for controlling third party activities

Any change of land use near the pipeline requires the License Holder to review the pipeline's safety management study to assess the impact and advise the developer of the impact identified as a result of the change in land use. Additional mitigation measures may be required to meet the requirements of AS 2885.1, particularly where land use changes become high consequence area and more stringent control requirements arise.

# 6. Special Requirements in Relation to Subdivision of Land and the Opening of Road

## 6.1 Subdivision of Land Over or in Proximity to High Pressure Gas Pipeline

The pipeline shall have satisfactory depths of cover as per design specifications throughout relevant local government areas to meet pipeline classification criteria in AS2885.1. If the depth of cover is altered by development or construction works, additional protective measures shall be required and will be installed at the developer's cost.

Where the subject land or any part of the subject land is located within the vicinity of the gas pipeline easement, the design of the development or work activity shall have regard to the preservation of safety standards associated with the pipeline. Without limiting the discretion of Council, consideration in the design of subdivision shall be given to:

- Locating parks in such a manner that the high- pressure gas pipeline is suitably buffered from existing or proposed buildings or land uses involving concentrations of people;
- Locating roads adjacent and parallel to the high-pressure gas pipeline easements in such a manner as to assist in separating the easements from allotments on which buildings may be constructed;
- Locating individual allotments such that allotments are not directly affected by pipeline easements;
- Vehicular access to the pipeline easement is maintained for operational and maintenance requirements.
- Installation of additional protective measures, as may be required by AS2885.1 for that location classification.

## 6.2 Easement Transfer on Plans when Subdividing

The Form 18 Consent for the registration of new Survey Plans must be lodged with: Verbrec Infrastructure Services Pty Ltd

Email: ThirdPartyWorks@verbrec.com

Attention: Asset & Maintenance Contracts Engineer

Phone: 07 3058 7037

Upon confirmation that all consents to the survey plan have been granted and satisfaction that Verbrec Infrastructure Services' interest in the easement will be protected, arrangements will be made for the execution of the consent (Form 18) by Verbrec Infrastructure Services' or the licence holders attorneys and duly returned.

# 7. AS2885 Classification of Locations

Locations for pipelines shall be classified for managing possible risks to the integrity of the pipelines, the public, property, and the environment, by the following location classes as detailed in AS2885.6 section 2:

### Class R1 – Rural

Land that is unused, undeveloped or is used for rural activities such as grazing, agriculture and horticulture. Rural applies where the population is distributed in isolated dwellings. R1 – Rural includes areas of land with public infrastructure serving the rural use; roads; canals; utility easements.

### Class R2 – Rural Residential

Land that is occupied by single residence blocks typically in the range 1 ha to 5 ha or is defined in a local land planning instrument as rural residential or its equivalent. Land used for other purposes but with similar population density shall be assigned R2 – Rural Residential.

### Class T1 – Residential

Land that is developed for community living, where multiple dwellings exist in proximity to each other, and dwellings are served by common public utilities. This includes areas of land with public infrastructure serving the residential use; roads, railways, recreation areas, camping grounds/caravan parks, suburban parks, small strip shopping centres. May include isolated higher density areas provided they are not more than 10% of the land use. Land used for other purposes but with similar population density shall be assigned T1 – Residential.

### Class T2 – High Density

Land that is developed for high-density community use, where multi-storey development predominates or where large numbers of people congregate in the normal use of the area. Includes areas of public infrastructure serving the high-density use; roads, railways, major sporting and cultural facilities and land use areas of major commercial developments; cities, town centres, shopping malls, hotels and motels.

It should be noted that for rural and rural residential areas, as required by AS2885.6, consideration shall be given to whether a higher location class may be necessary at any location where a large number of people may be present for a limited period.

The latest edition of AS2885.6 also requires consideration for where there may be a secondary location classification occurring within the above primary location class areas (usually of lesser length than the primary location class). Additional requirements may be present for these secondary class (or sub-class) locations, as defined by AS2885.1. These sub-classes are S (Sensitive Use); CIC (Common Infrastructure Corridor); I (Industrial); HI (Heavy Industrial); and W (Submerged). The secondary class descriptions and requirements are defined in detail in AS2885.6 and shall be considered as part of any external development safety assessment.

# 8. External Development Considerations

## 8.1 Roadway Crossings

For state-controlled roads in Queensland refer to the *Petroleum and Gas (Production and Safety) Act 2004* for processes required to be followed.

The minimum cover required for the pipeline under roadways (from top of pipeline to road surface) and under table drains is 1200mm. This is a requirement of AS2885.1, where burial is to be used as a physical protective measure. This cover requirement may be increased by Verbrec Infrastructure Services as a result of the external interference protection requirements of AS2885.1 or if the roadway is to be used by vehicles in excess of the standard road load conditions.

Wherever possible, roadways must cross the pipeline at right angles. Generally, Verbrec Infrastructure Services will not accept the road surface to be run on top of the pipeline. Where a road runs parallel to the pipeline there must be a minimum of 1500mm from the back of the kerb to the centreline of the pipeline. Where the roadway is proposed parallel to the pipeline and the above requirement cannot be met then additional protection will be required.

Where a new road is to cross a pipeline, a review of the pipeline condition will be undertaken. Verbrec Infrastructure Services has the right to undertake remedial works on the pipeline at the expense of the developer or landowner where the construction of the road would inhibit access by Verbrec Infrastructure Services to the pipeline. Immediately after the pipe is wrapped it is to be backfilled as per Verbrec Infrastructure Services specifications.

Application must be made to Verbrec Infrastructure Services to use vibrating rollers or equipment within the pipeline easement but will be subject to site assessment prior to use and close monitoring by Verbrec Infrastructure Services personnel. Vibrating rollers greater than 15 tonnes, or any sized rollers required to work closer to the pipeline are subject to Verbrec Infrastructure Services approval, on submission of adequate roller loading details. The maximum particle velocity allowed directly above the pipeline caused by vibrating rollers is 10mm/sec.

If the minimum cover requirement of 1200 mm, as specified by Verbrec Infrastructure Services cannot be achieved, then an acceptable alternative or additional protection for the pipeline may be required. Verbrec Infrastructure Services must be consulted and then approve all methods used to provide this additional protection. Methods used include but are not limited to protective concrete slabs and box culverts. Verbrec Infrastructure Services may specify additional protective measures under a roadway, as a result of the

safety management study (where conducted), such as the requirement for slabs under table drains.

Natural soil or road base materials must be stabilised and firm.

During construction of roadways, construction machinery or vehicles are not permitted to park or stand over the pipeline. All non-road registered vehicles used for construction of the road works, and likely to cross the high-pressure gas pipeline shall require prior approval by Verbrec Infrastructure Services.

At the completion of the pipeline crossing, a Direct Current Voltage Gradient (DCVG) Survey is to be completed at ground level above the crossing point at the developer's cost, to ensure there has been no damage to the coating of the pipeline. If found unsatisfactory, excavation and refurbishment of the pipeline will be performed by Verbrec Infrastructure Services at the developer's cost.

## 8.2 Pipe, Main or Cable Crossing (Up To 415V – Excludes High Voltage Cables)

The minimum separation distance defined for a service crossing above or below the pipeline is subject to the surrounding soil having good compaction and load bearing characteristics(non-swamp areas). Separation distance is measured from the outside of the pipeline to the outside of the service.

Any pipe, main or cable crossing above the pipeline shall have a minimum separation distance equal to half the diameter of the service plus 300mm. (e.g., if a sewer is 150mm diameter then separation distance is 75mm + 300mm = 375mm minimum). The maximum diameter of any service crossing above the pipeline is 600mm. Services of larger diameter shall be subject to further design considerations.

Any pipe, main or cable less than 600mm in diameter crossing below the pipeline shall have a minimum separation distance of 600mm. Services of larger diameter shall be subject to further design considerations.

In either case of pipe diameter, the minimum clearance from the buried services either crossing the pipeline or parallel to the pipeline shall not be less than 0.5m unless approved.

Where the service crosses the pipeline, the backfill shall be re-compacted in such a manner to ensure the specified separation distance is not affected due to sag of the upper service pipe.

All trenching across or adjacent to the pipeline, greater than 1.5m deep must be battered or shored in accordance with the statutory requirements. All services crossing the pipeline should be designed to withstand superimposed vehicle loads from pipeline maintenance activity.

Horizontal separation distance between the Verbrec Infrastructure Services operated pipeline and any new service shall be in all cases a minimum distance of two (2) metres. New services shall be installed on or beyond the pipeline easement boundary where possible.

The Verbrec Infrastructure Services operated pipeline must be protected with warning tape and/or yellow "Vinidex" planking anywhere that a service crosses over or under it.

Any telephone or medium voltage (240V/415V) underground electrical cable crossing the pipeline shall be installed in a concrete encased conduit.

Fluidised or Flowable Thermal Backfill (FTB) is not to be used within close proximity of the pipeline. Verbrec Infrastructure Services will designate an 'exclusion zone' wherein FTB cannot be installed, in the assessment of cable installation proposals. As a general principle FTB will not be allowed within a distance of 1 metre below, 4 metres either side and not above the pipeline.

At the completion of the pipeline crossing, a Direct Current Voltage Gradient (DCVG) Survey is to be completed at ground level above the crossing point at the developer's cost, to ensure there has been no damage to the coating of the pipeline. If found unsatisfactory, excavation and refurbishment of the pipeline will be performed by Verbrec Infrastructure Services at the developer's cost.

## 8.3 Major Telecommunications Crossing

Major telecommunications connections (estate connections, main suburban links etc) crossing the pipeline require special consideration and the design of such crossings must be approved by Verbrec Infrastructure Services. These crossings shall be installed in concrete encased conduit for protection against excavation damage.

Fluidised or Flowable Thermal Backfill (FTB) shall be as per Section 8.2.

## 8.4 High Voltage Cables – Over 415V

The design of high voltage cable crossings shall be subject to specific approval by Verbrec Infrastructure Services. Extra high voltage (larger than 33Kv) crossings may be subject to more stringent assessment methods.

The separation distance between these services and the Verbrec Infrastructure Services operated pipeline is dependent on the current carrying capacity of the cable, but as a general rule must be a minimum of 1 000mm. This applies for crossing both above and below the pipeline. Horizontal distances shall be in accordance with the applicable standards including AS/NZS 4853. Exact determination of the required separation distance depends on normal and maximum fault currents, and the surrounding soil resistivity. This information is required as a minimum when submitting the design. Information concerning the location of earth mat systems and jointing pits is also required.

Verbrec Infrastructure Services may conduct calculations in order to determine AC induction effects (LFI) and Earth Potential rise (EPR). Additional mitigation measures may be required as a result for electrical hazards or effects on the pipeline coating and/or cathodic protection system.

The crossing shall also be designed to prevent excavation damage, and the design must be approved by Verbrec Infrastructure Services.

Fluidised or Flowable Thermal Backfill (FTB) shall be as per Section 8.2. Refer to Section 8.8 for specifications regarding cathodic protection.

## 8.5 Interference and Earthing of Structures

Metallic foreign underground structures can be affected by the pipeline cathodic protection system and vice-versa from stray currents that may be emitted by the foreign structure via earthing systems or its own cathodic protection. If a new metallic underground structure is installed within the vicinity of the pipeline, interference testing will be required to be performed on both the pipeline and the foreign structure upon

commissioning as per AS4853-2012 Electrical Hazards on Metallic Pipelines. This testing will confirm if mitigation techniques has to be applied to control any observed interference on the pipeline or the foreign structure. *The Electrical Safety Act 2002* and Regulation also apply.

At a pipeline crossing with the Verbrec Infrastructure Services operated pipeline, a common test point will be installed on top of the crossing with cabling from both pipelines connected into it. This allows the cathodic protection of both systems to be tested simultaneously.

## 8.6 Other Petroleum or Hazardous Chemical Services

The design of other petroleum products or hazardous chemical pipeline crossings shall be subject to specific approval by Verbrec Infrastructure Services.

The criteria will be in accordance with AS2885.3 Section 7.5. However, the services will be required to be protected against excavation damage and depending on the pipeline diameter, the clearance shall not be less than 0.5m unless approved.

## 8.7 Directional Bored Crossings

For all directionally bored (tunnel bored) crossings of the Verbrec Infrastructure Services operated pipeline, the pipeline shall be exposed (usually by pothole at strategic locations) and the crossing completed under the supervision of an Verbrec Infrastructure Services pipeline operator.

The bore hole shall be positioned such that it is no closer than 1000mm from the horizontal plane at nearest point of the pipeline, across the entire easement. For example, if the bottom of the pipeline is 1500mm below the ground surface, then the borehole must be 2500mm below the ground surface, across the entire easement. The Verbrec Infrastructure Services pipeline operator shall locate the boundaries of the easement.

If the borehole is to run parallel to the Verbrec Infrastructure Services operated pipeline, it shall be no closer than 2000mm in the horizontal direction, at its nearest point.

For such activities a risk assessment shall be undertaken, to ensure the risks to the pipeline are reduced and to determine if additional mitigation measures are required. Prior to conducting the risk assessment, information required from the developer shall include the work procedures for such crossings, showing the nominated machine specifications and method for the works, in order to determine such information as the energy release rate for a pilot drill bit whole size penetration.

## 8.8 Cathodic Protection

Any interference to the Verbrec Infrastructure Services operated pipeline cathodic protection system and the likelihood of thermal damage to the pipeline coating shall be considered.

For services crossing the pipeline easement which are cathodically protected, the developer shall dissipate heat to the surrounding soil or have associated earthing structures. The method of mitigating any detrimental or interference effects to the pipeline shall be submitted for approval.

For underground power cables and associated earthing structures installed parallel to the pipelines, the method of mitigation of any detrimental or interference effects and the

required service separation shall be submitted for approval. Rectification or prevention of any identified interference shall be at the cost of the developer.

## 8.9 Excavation

All excavations within fifteen (15) metres in any radial direction of the pipeline shall be carried out under strict supervision and direction of an Verbrec Infrastructure Services pipeline operator.

In addition to, any requirements for land disturbance activities deeper than 300mm, such as ploughing, ripping, excavation for foundations and footings, and the installation of drainage systems on the pipeline corridor shall be enforced by licensee.

The entity performing the excavation shall inform Verbrec Infrastructure Services of their intended works no less than 5 working days before the excavation is to commence and comply with all current legislation or standards governing the workplace.

The nominated excavator size (or equivalent for other equipment) shall be submitted to Verbrec Infrastructure Services as part of the development application. Should the excavator size (and tooth type) be significant, a specific risk assessment may be required, and additional protective measures implemented as applicable.

The mechanical excavation equipment is not to be used within 1m of the pipeline system in any radial direction, even after the pipeline system location has been proven, except when approved by and under explicit "on-site" direction from the licensee's representative.

## 8.10 Equipment Crossings and Loading

Tracked or tyred equipment weighing in excess of ten thousand kilograms (10,000 kg) (fully loaded condition) shall not cross the pipeline without prior approval of Verbrec Infrastructure Services. In areas where cover over the pipeline may have been reduced, Verbrec Infrastructure Services may specify stricter limitations, subject to a vehicle loading assessment. The approval for equipment crossings may require the provision of pipeline protection through the construction of earthen ramps or use load bearing steel plates.

The information to be submitted for an approval is to include the vehicle type, tare and gross weights, wheelbase dimensions, axle loadings, tyre pressures and tyre or track contact area.

Where soil conditions exhibit poor compaction and load bearing characteristics (swamp areas), equipment shall not be allowed to cross the pipeline without the construction of an approved pipeline protection structure, irrespective of the vehicle mass.

Earthmoving equipment shall not run parallel to the pipeline within a distance equal to the pipeline depth, in all cases being a minimum of 1000mm measured from the nearest extremity of the pipeline to the nearest extremity of the equipment. Equipment shall only cross the pipeline at right angles.

Recently excavated backfill constitutes unsuitable conditions for vehicular loading. Where vehicle loadings will be imposed, the backfill shall be compacted in such a manner to obtain the original soil compaction characteristics so that the area is able to adequately support the required vehicle loads.

## 8.11 Provisions for High Consequence Areas

Verbrec Infrastructure Services may specify additional protective measures in locations where special provisions are necessary to limit the consequence of pipeline failure on the community or the environment, as required by AS2885.1 Clause 4.7. These high consequence areas generally require the code "no rupture" criteria to be met and also limit the maximum discharge rate possible.

Where the Location Classification (including sub-classes) is changed as a result of the development, a safety assessment shall be undertaken, as required by clause 4.7.4 of AS2885.1, and additional measures implemented until it is demonstrated that the risk from a loss of containment involving rupture is ALARP (As Low as Reasonably Practicable) – in accordance with the AS2885.1 criteria.

## 8.12 Warning Barriers

Suitable warning signage, barriers with beacons and protection against vehicular ingress shall be erected around any unattended excavation, which exposes the pipeline.

## 8.13 Cranes

No cranes, excavators or backhoes shall be permitted to carry or suspend materials over or across the pipeline where it is exposed.

## 8.14 Blasting

Blasting is strictly not allowed under any circumstances within five hundred (500) metres of the pipeline without prior approval of *Verbrec Infrastructure Services and the Department of Natural Resources and Mines (DNRM), Petroleum and Gas Inspectorate, (P&G Inspectorate)*.

The maximum particle velocity allowed directly above the pipeline caused by blasting is 10mm/sec. The recommended acceptable levels of ground vibration from blasting are from Australian Standard AS2187.1

The information submitted for approval is to include the distance from the pipeline, depth of blast, shot size (kg), shot sequence and delay, and shot strength (referenced to Anzite Blue).

## 8.15 Poles

Poles shall preferably be located outside the pipeline easement boundary, and in all cases the minimum separation distance shall be the depth of pole below natural surface level plus one (1) metre. The minimum wire clearance at any point of the easement shall be ten (10) metres from ground.

Pole installation in the easement vicinity shall be strictly conducted under the supervision of a Verbrec Infrastructure Services pipeline operator. Boring equipment specifications shall be submitted for a review and, if deemed required a safety assessment shall be undertaken for the activity and additional measures implemented as required.

The minimum clearance for installing or replacing aboveground structures shall be such that the pipeline system can still be accessed for maintenance, without causing

additional risk to the pipeline system or the aboveground structures. The minimum clearance shall be not less than 3m unless approved. The aboveground structures include new power and communications services poles and fencing across or along the pipeline corridor.

Pipeline safety marker signs should be placed on power poles when poles are located within 5m of the pipeline system.

Any pipe, main or cable running parallel to the pipeline and all power poles, posts etc. shall not encroach on the pipeline easement.

### 8.16 Structures

Any structure close to the easement must be supported such that excavation, at least two (2) metres deep, along the adjacent edge of the easement, does not affect the integrity of the structure or its foundations.

### 8.17 Post Construction

A Direct Current Voltage Gradient (DCVG) survey is to be completed on the pipeline for the greater length of the full excavation width or 15m either side of the pipeline.

As constructed drawings, DCVG and interference testing (where applicable) reports are to be provided to Verbrec Infrastructure Services within 6 Months of the crossing completion.

## 9. Costs

Costs incurred for major works requiring Verbrec Infrastructure Services supervision or work shall be borne by the entity performing the work and shall be charged to the entity at the standard Verbrec Infrastructure Services employee fee.

## 10. Service Crossing Drawings

Typical service/pipeline crossings are shown in the following drawings:

- 090-DT-L-001 - Foreign Services Crossing Pipeline Standard Drawing

## 11. Tools

- 090-DT-C-001 - Constructed Vehicle Crossing
- 090-TP-N-0110 - Infrastructure Crossing Assessment Checklist
- 090-TP-N-0111 - Proposed Pipeline Crossing Requirement Checklist
- 090-TP-N-0113 - Permanent Vehicle Crossing Sign Example




**Verbrec Infrastructure Services Pty Ltd**

Level 14
200 Mary Street
Brisbane Qld 4000
Australia

**https://verbrec.com**

# Before You Dig Australia (BYDA)
## Asset Location Response

Thank you for the notification of your interest or proposed works near the
Shoalhaven Starches Bomaderry Gas Pipeline (SSBGP)
Verbrec operates and maintains this infrastructure in the area of your interest.




**PIPELINE NOT AFFECTED**

PLEASE CONTACT VERBREC IF THERE IS A CHANGE OF SCOPE

Verbrec Duty Engineer
Phone: 07 3058 7076
Email: ThirdPartyWorks@verbrec.com

For Afterhours Emergency Works Contact
**Emergency Number** – 07 3020 2610

**PLEASE NOTE:**

- Should the scope of works vary from the Verbrec approved scope, please contact Verbrec immediately as additional approvals may be required.
- The location of the gas pipelines operated by Verbrec in the area of your interest must be accurately identified by the local Verbrec representative (please allow a minimum 2 days' notice after contacting
Verbrec).
- Please refer to the attachment 090-AP-F-001 for additional guidelines for working around Verbrec Pipelines.

This notification is valid for **one month (30 Days)** from the response date unless an agreement is reached by Verbrec and the enquiring party. After that time a new BYDA request will need to be submitted prior to work commencing.

| Enquiry Details | |
|---|---|
| **Utility ID** | 101040 |
| **Utility Name** | Shoalhaven Starches Bomaderry Gas Pipeline (SSBGP) |
| **Job Number** | 52094040 |
| **Sequence #** | 266581297 |
| **Enquiry Date** | 13/01/2026 |
| **Location** | 250 Bolong Road<br>Bolong |
| **Activity** | Manual Excavation |
| **BYDA Message** | |

**Please note the following maps show the indicative location of the pipeline in relation to the area of interest provided**

# verbrec Overview Map

**Sequence No:** 266581297

250 Bolong Road Bolong




| | | |
|---|---|---|
| **Scale:** 10000 | 0 0.1km | NORTH |
| **Legend:** Not Affected Work Area<br>Gas Pipeline<br>Laterals<br>Interconnects<br>Property Parcels | **Data Source:**<br>Pipeline Data Copyright Verbrec, Property Parcels - Copyright QLD, Government, UBD Imagery – Copyright Sensis, Ikonos Imagery - Copyright Verbrec, BYDA Dig Location provided by BYDA. | verbrec evolution engineered<br>**Emergency Number**<br>**07 3020 2610** |

Verbrec does not guarantee the accuracy or completeness of the map and does not make any warranty about the data. Verbrec is not under any liability to the user for any loss or damage (including consequential loss or damage) which the user may suffer resulting from the use of this map.

Thank you for your interest in maintaining a safe and secure gas pipeline network.

verbrec evolution engineered **Map 1**

**Sequence No:** 266581297

250 Bolong Road Bolong




| | | |
|---|---|---|
| **Scale:** 5000 | 0 0.06km | NORTH |
| **Legend:** Not Affected Work Area<br>Gas Pipeline<br>Laterals<br>Interconnects<br>Property Parcels | **Data Source:**<br>Pipeline Data - Copyright Verbrec, Property Parcels - Copyright QLD, Government, UBD Imagery – Copyright Sensis, Ikonos Imagery - Copyright Verbrec, BYDA Dig Location provided by BYDA. | verbrec evolution engineered<br>**Emergency Number**<br>**07 3020 2610** |

Verbrec does not guarantee the accuracy or completeness of the map and does not make any warranty about the data. Verbrec is not under any liability to the user for any loss or damage (including consequential loss or damage) which the user may suffer resulting from the use of this map.

Thank you for your interest in maintaining a safe and secure gas pipeline network.

# End of document

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# Appendix G:

# Copies of Cancelled and Historical Title Search

LAND REGISTRY SERVICES

# Title Search

InfoTrack

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 6/621040

| SEARCH DATE | TIME | EDITION NO | DATE |
|---|---|---|---|
| 26/8/2025 | 9:57 AM | 10 | 5/8/2025 |

LAND

LOT 6 IN DEPOSITED PLAN 621040
AT BOLONG
LOCAL GOVERNMENT AREA SHOALHAVEN
PARISH OF BUNBERRA COUNTY OF CAMDEN
TITLE DIAGRAM DP621040

FIRST SCHEDULE

SHOALHAVEN STARCHES PTY LTD (T AT801821)

SECOND SCHEDULE (4 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 356907 RIGHT OF WAY AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
3 DP605942 RESTRICTION(S) ON THE USE OF LAND
4 DP605942 RIGHT OF WAY APPURTENANT TO THE LAND ABOVE DESCRIBED

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

ENRS3413... PRINTED ON 26/8/2025

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

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Received: 26/08/2025 09:57:22

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

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SEARCH DATE
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26/8/2025 9:55AM

FOLIO: AUTO CONSOL 8426-53
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| Recorded | Number | Type of Instrument | C.T. Issue |
|---|---|---|---|
| 26/6/1992 | | CONSOL HISTORY RECORD CREATED FOR AUTO CONSOL 8426-53<br><br>PARCELS IN CONSOL ARE:<br>A/384559, X/421658. | |
| 18/3/1994 | U70003 | CAVEAT | |
| 15/8/1995 | O170828 | REQUEST | EDITION 1 |
| 11/9/1996 | 2369106 | CHANGE OF NAME | |
| 11/9/1996 | 2369108 | LEASE | EDITION 2 |
| 7/7/1998 | 5108750 | TRANSFER | EDITION 3 |
| 13/1/1999 | 5522293 | TRANSFER | EDITION 4 |
| 18/6/1999 | 5853754 | TRANSFER GRANTING EASEMENT | |
| 27/8/2009 | AE933964 | PARCELS EXCISED. CONSOL BROKEN UP | |

*** END OF SEARCH ***

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Received: 26/08/2025 09:55:33

LAND REGISTRY SERVICES Historical Search

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
26/8/2025 9:57AM

FOLIO: 6/621040

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 14677 FOL 215

| Recorded | Number | Type of Instrument | C.T. Issue |
|---|---|---|---|
| 28/3/1988 | | TITLE AUTOMATION PROJECT | LOT RECORDED<br>FOLIO NOT CREATED |
| 14/9/1988 | | CONVERTED TO COMPUTER FOLIO | FOLIO CREATED<br>CT NOT ISSUED |
| 10/4/1989 | Y286638 | DISCHARGE OF MORTGAGE | |
| 10/4/1989 | Y286639 | MORTGAGE | |
| 10/4/1989 | Y286640 | MORTGAGE | |
| 10/4/1989 | Y286641 | MORTGAGE | EDITION 1 |
| 6/6/1991 | Z689170 | DISCHARGE OF MORTGAGE | |
| 6/6/1991 | Z689171 | DISCHARGE OF MORTGAGE | |
| 6/6/1991 | Z689172 | DISCHARGE OF MORTGAGE | |
| 6/6/1991 | Z689173 | MORTGAGE | EDITION 2 |
| 5/7/1991 | Z746230 | MORTGAGE | EDITION 3 |
| 10/12/1993 | I868261 | CAVEAT | |
| 5/7/1999 | 5944660 | WITHDRAWAL OF CAVEAT | |
| 5/7/1999 | 5792735 | DISCHARGE OF MORTGAGE | |
| 5/7/1999 | 5792736 | DISCHARGE OF MORTGAGE | |
| 5/7/1999 | 5792738 | MORTGAGE | EDITION 4 |
| 19/9/2001 | 7954530 | DISCHARGE OF MORTGAGE | |
| 19/9/2001 | 7954531 | TRANSFER | EDITION 5 |
| 7/12/2015 | AK48096 | TRANSFER | |
| 7/12/2015 | AK48097 | MORTGAGE | EDITION 6 |
| 9/9/2018 | AN695392 | DEPARTMENTAL DEALING | EDITION 7<br>CORD ISSUED |
| 18/10/2023 | AT527677 | DISCHARGE OF MORTGAGE | EDITION 8 |
| 31/1/2024 | AT801821 | TRANSFER | |
| 31/1/2024 | AT801822 | CAVEAT | EDITION 9 |
| 5/8/2025 | AV303835 | WITHDRAWAL OF CAVEAT | EDITION 10 |

END OF PAGE 1 - CONTINUED OVER

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
26/8/2025 9:57AM

FOLIO: 6/621040 PAGE 2

| Recorded | Number | Type of Instrument | C.T. Issue |
|---|---|---|---|

*** END OF SEARCH ***

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Req:R819220 /Doc:CT 14677-215 CT /Rev:27-Jan-2011 /NSW LRS /Pgs:ALL /Prt:26-Aug-2025 09:57 /Seq:1 of 2
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14677215

# [redacted]FICATE OF TITLE

NEW SOUTH WALES

..EAL PROPERTY ACT, 1900

Register

Vol. 14677 Fol. 215

EDITION ISSUED

10 3 1982

Appln No.8716

Prior Title Vol.14216 Fol.132

14677 Fol. 215

(Page 1) Vol.

I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

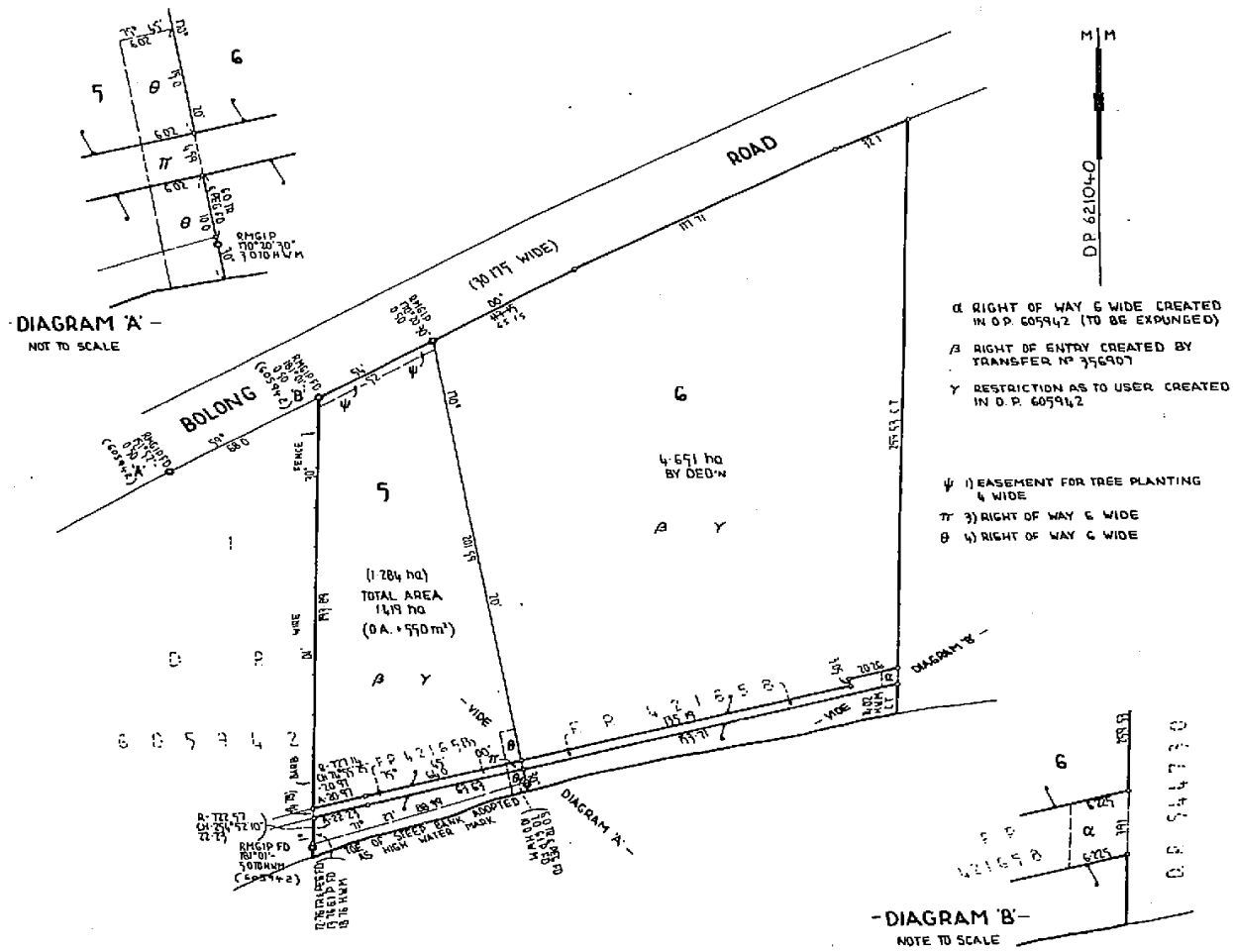
SEE AND SEALED

Registrar General

SEE AND SEALED

## PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES




## ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 6 in Deposited Plan 621040 at Bolong in the City of Shoalhaven Parish of Bunberra and Countyof Camden being part of Portion 72 granted to John Berry on 13-1-1838.

## FIRST SCHEDULE

~~R.B. LAMOND HOLDINGS PTY. LIMITED.~~

## SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. 356907 P Right of way affecting the land shown so burdened in Deposited Plan 621040.
3. DP605942 P Restriction as to user.
4. DP605942 P Right of way appurtenant to the land above described.
5. ~~DP605942 Right of way appurtenant to the land above described.~~

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

RG 2/64

PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON

Vol. 14677 Fol. 215

94137C 4.81 D. West, Government Printer

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR

Registrar General

REG. GEN.

Ronald William Blackwell and Doreen Blackwell as joint tenants by Transfer S926431. Registered 6-4-1982

SECOND SCHEDULE (continued)

PARTICULARS

Registrar General

CANCELLATION

W182300 Mortgage to The Commercial Banking Company of Sydney Limited. Registered 17-2-1986.

NOTATIONS AND UNREGISTERED DEALINGS

S926431T

W182300

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED B

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# Appendix H:

# Equipment Calibration Records (PID)

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 Jerry Bailey Road, Shoalhaven Heads,
NSW, 2535 T 02 4448 5490 M: 0401 518 443
E: projects@enrs.com.au www.enrs.com.au

## EQUIPMENT CALIBRATION CERTIFICATE – PID

This Gas Meter has been performance checked / calibrated* as follows:

| Calibration | Cal Value | Span Reading | Final Check | Pass (Y/N) |
|---|---|---|---|---|
| $H_2S$ | 25ppm | 25 | 25 | Y |
| $O_2$ | 18% vol | 18 | 18 | Y |
| $O_2$ (in fresh air) | 20.9% | 20.9 | 20.9 | Y |
| CO | 100ppm | 100 | 100 | Y |
| $CH_4$ | 2.5% | 2.5 | 2.5 | Y |
| Isobutylene | 100pp | 100 | 100 | Y |
| **Operations Check** | | | | |
| ☐ | Electrical Safety Tag Attached (AS/NZS 3760) | Tag No: | | Valid to: |
| ☐ | Cleaned/Checked | ☐ | In line Filter Check | ☐ | Battery Status @_____100% | |

*Calibration gas traceability information is available upon request.

Please check the following items are received and that all items are cleaned and decontaminated before return. Items not returned for will be billed for at the full replacement cost.

| | Sent | Returned | |
|---|---|---|---|
| 1. | ☐ | ☐ | Yellow MultiRAE Hand Held PID Meter |
| 2. | ☐ | ☐ | 2m of Sampling Tube |
| 4. | ☐ | ☐ | Battery Charger and AC/DC Power Supply |
| 5. | ☐ | ☐ | Operating Quick Guide |
| 6. | ☐ | ☐ | Spare In-Line Filters & Parts |
| 7. | ☐ | ☐ | Carry Case |
| 8. | ☐ | ☐ | Instrument Battery Status @_____100% |

| | |
|---|---|
| **Equipment MODEL** | MultiRAE PID Lite |
| **Equipment Serial No.** | M01C010297 |

**Date: 13/08/2025** **Checked by: Christopher Allen**

**Signed:** 

ENVIRONMENT & NATURAL RESOURCE SOLUTIONS
108 Jerry Bailey Road, Shoalhaven Heads,
NSW, 2535 T 02 4448 5490 M: 0401 518 443
E: projects@enrs.com.au www.enrs.com.au

## EQUIPMENT CALIBRATION CERTIFICATE – PID

This Gas Meter has been performance checked / calibrated* as follows:

| Calibration | Cal Value | Span Reading | Final Check | Pass (Y/N) |
|---|---|---|---|---|
| $H_2S$ | 25ppm | 25 | 25 | Y |
| $O_2$ | 18% vol | 18 | 18 | Y |
| $O_2$ (in fresh air) | 20.9% | 20.9 | 20.9 | Y |
| CO | 100ppm | 100 | 100 | Y |
| $CH_4$ | 2.5% | 2.5 | 2.5 | Y |
| Isobutylene | 100pp | 100 | 100 | Y |
| **Operations Check** | | | | |
| ☐ | Electrical Safety Tag Attached (AS/NZS 3760) | Tag No: | | Valid to: |
| ☐ | Cleaned/Checked | ☐ | In line Filter Check | ☐ | Battery Status @_____100% | |

*Calibration gas traceability information is available upon request.

Please check the following items are received and that all items are cleaned and decontaminated before return. Items not returned for will be billed for at the full replacement cost.

| | Sent | Returned | |
|---|---|---|---|
| 1. | ☐ | ☐ | Yellow MultiRAE Hand Held PID Meter |
| 2. | ☐ | ☐ | 2m of Sampling Tube |
| 4. | ☐ | ☐ | Battery Charger and AC/DC Power Supply |
| 5. | ☐ | ☐ | Operating Quick Guide |
| 6. | ☐ | ☐ | Spare In-Line Filters & Parts |
| 7. | ☐ | ☐ | Carry Case |
| 8. | ☐ | ☐ | Instrument Battery Status @_____100% |

| | |
|---|---|
| **Equipment MODEL** | MultiRAE PID Lite |
| **Equipment Serial No.** | M01C010297 |

**Date: 17/02/2026** **Checked by: Christopher Allen**

**Signed:** 

# Appendix I:

# Unexpected Find Procedure (UFP)

# UNEXPECTED FIND PROTOCOL

**Purpose**: This protocol outlines the actions to be implemented when suspected contaminated material is discovered during site earthworks, and which was not previously identified. This procedure applies to all site personnel involved in activities that may encounter potential contaminated material during earthworks.

**Unexpected Find Definition**: An unexpected find (UXF) event in this protocol, refers to any evidence of contamination identified during works that was not previously documented or managed under existing site procedures.

## Step 1 Stop Work

Stop all work in the immediate area as soon as it is safe to do so and move to a designated meeting point;

## Step 2 Notify

Immediately notify the Project Site Supervisor (PSS).

## Step 3 Assess Safety Risk

Assess the potential risk to human health posed by the unexpected find and assess if evacuation or emergency services need to be contacted

## Step 4 Exclusion Zone

Establish an exclusion zone around the impacted area. An example of a typical exclusion zone is a 10 metre radius with demarcation/barriers or fencing and warning signs at regular intervals and all points of entry. Some hazardous materials may require additional controls including, no smoking signage, and dust suppression

## Step 5 Environmental Investigation

Contact an Environmental Professional to investigate the unexpected find and provide recommendations for immediate management controls (if any), and how to remediate and validate the Site area in accordance with contaminated site regulations and guidelines

## Step 6 Remediate

Remediation works to be completed by suitably licensed contractor/s (where applicable);

## Step 7 Validate / Clear

Validation in accordance with contaminated site regulations and guidelines

## Step 8 Recommence Works

If it is deemed safe to do so, the environmental consultant will provide a validation report or clearance certificate for works to proceed in the affected area. If it is not considered to be safe, works must remain on hold until appropriate assessment, management, remediation and/or validation measures have been completed.

# Appendix J:

# Copy of LotSearch Enviro Professional Report

# LOTSEARCH

## LOTSEARCH ENVIRO PROFESSIONAL

**Date: 24 Jun 2025 15:52:23**

**Reference: LS085858 EP**

**Address: Bolong Road, Bomaderry, NSW 2541**

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

# Dataset Listing

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

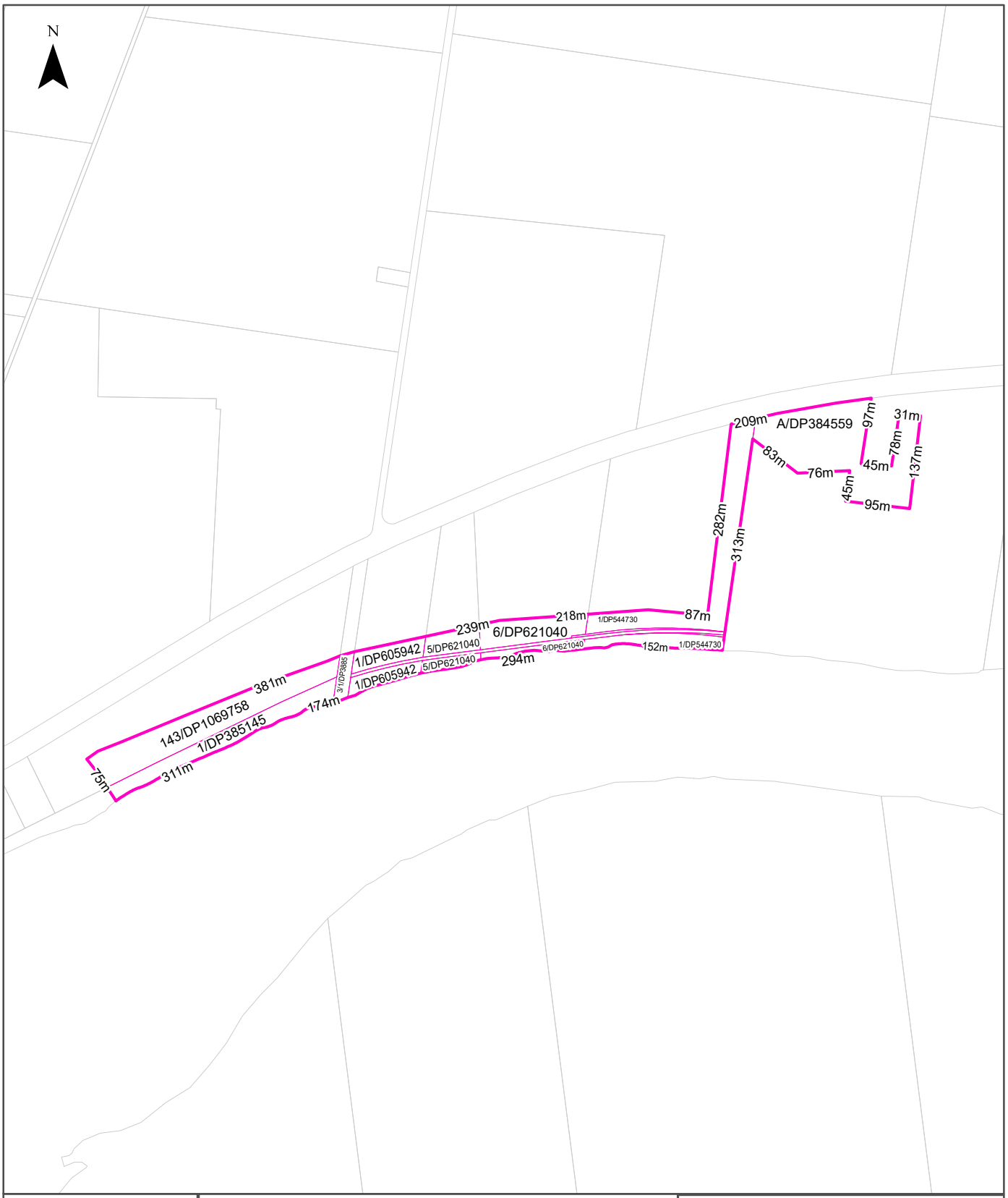
| Dataset Name | Custodian | Supply Date | Currency Date | Update Frequency | Dataset Buffer (m) | No. Features On-site | No. Features within 100m | No. Features within Buffer |
|---|---|---|---|---|---|---|---|---|
| Cadastre Boundaries | NSW Department of Customer Service - Spatial Services | 21/05/2025 | 21/05/2025 | Monthly | - | - | - | - |
| Topographic Data | NSW Department of Customer Service - Spatial Services | 20/05/2025 | 20/05/2025 | Annually | - | - | - | - |
| List of NSW contaminated sites notified to EPA | Environment Protection Authority NSW | 10/06/2025 | 08/05/2025 | Monthly | 1000m | 0 | 0 | 4 |
| Contaminated Land Records of Notice | Environment Protection Authority NSW | 11/06/2025 | 11/06/2025 | Monthly | 1000m | 0 | 0 | 0 |
| Former Gasworks | Environment Protection Authority NSW | 20/05/2025 | 15/05/2025 | Quarterly | 1000m | 0 | 0 | 0 |
| Notices under the POEO Act 1997 | Environment Protection Authority NSW | 28/05/2025 | 28/05/2025 | Monthly | 1000m | 6 | 6 | 6 |
| National Waste Management Facilities Database | Geoscience Australia | 30/05/2025 | 19/01/2023 | Annually | 1000m | 0 | 0 | 0 |
| National Liquid Fuel Facilities | Geoscience Australia | 16/10/2024 | 19/01/2023 | Annually | 1000m | 0 | 0 | 2 |
| EPA PFAS Investigation Program | Environment Protection Authority NSW | 28/05/2025 | 05/02/2025 | Monthly | 2000m | 1 | 1 | 1 |
| Defence PFAS Investigation & Management Program - Investigation Sites | Australian Department of Defence | 11/06/2025 | 11/06/2025 | Monthly | 2000m | 0 | 0 | 0 |
| Defence PFAS Investigation & Management Program - Management Sites | Australian Department of Defence | 11/06/2025 | 11/06/2025 | Monthly | 2000m | 0 | 0 | 0 |
| Airservices Australia National PFAS Management Program | Airservices Australia | 11/06/2025 | 21/05/2025 | Monthly | 2000m | 0 | 0 | 0 |
| Defence Controlled Areas | Australian Department of Defence | 10/04/2025 | 10/04/2025 | Quarterly | 2000m | 0 | 0 | 0 |
| Defence 3 Year Regional Contamination Investigation Program | Australian Department of Defence | 11/06/2025 | 02/09/2022 | Quarterly | 2000m | 0 | 0 | 0 |
| National Unexploded Ordnance (UXO) | Australian Department of Defence | 10/04/2025 | 10/04/2025 | Quarterly | 2000m | 0 | 0 | 1 |
| EPA Other Sites with Contamination Issues | Environment Protection Authority NSW | 28/11/2024 | 15/12/2022 | Annually | 1000m | 0 | 0 | 0 |
| Licensed Activities under the POEO Act 1997 | Environment Protection Authority NSW | 16/06/2025 | 16/06/2025 | Monthly | 1000m | 6 | 6 | 10 |
| Delicensed POEO Activities still regulated by the EPA | Environment Protection Authority NSW | 16/06/2025 | 16/06/2025 | Monthly | 1000m | 0 | 0 | 1 |
| Former POEO Licensed Activities now revoked or surrendered | Environment Protection Authority NSW | 16/06/2025 | 16/06/2025 | Monthly | 1000m | 5 | 5 | 6 |
| UBD Business Directories (Premise & Intersection Matches) | Hardie Grant | | | Not required | 150m | 4 | 4 | 8 |
| UBD Business Directories (Road & Area Matches) | Hardie Grant | | | Not required | 150m | - | 114 | 114 |
| UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches) | Hardie Grant | | | Not required | 500m | 0 | 0 | 0 |
| UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches) | Hardie Grant | | | Not required | 500m | - | 4 | 4 |
| Points of Interest | NSW Department of Customer Service - Spatial Services | 19/05/2025 | 19/05/2025 | Quarterly | 1000m | 0 | 0 | 24 |
| Tanks (Areas) | NSW Department of Customer Service - Spatial Services | 19/05/2025 | 19/05/2025 | Quarterly | 1000m | 0 | 0 | 0 |
| Tanks (Points) | NSW Department of Customer Service - Spatial Services | 19/05/2025 | 19/05/2025 | Quarterly | 1000m | 0 | 0 | 9 |
| Major Easements | NSW Department of Customer Service - Spatial Services | 20/05/2025 | 20/05/2025 | Quarterly | 1000m | 0 | 1 | 1 |
| State Forest | Forestry Corporation of NSW | 18/12/2024 | 11/11/2024 | Annually | 1000m | 0 | 0 | 0 |
| Hydrogeology Map of Australia | Geoscience Australia | 22/04/2025 | 19/08/2019 | Annually | 1000m | 1 | 1 | 1 |

| Dataset Name | Custodian | Supply Date | Currency Date | Update Frequency | Dataset Buffer (m) | No. Features On-site | No. Features within 100m | No. Features within Buffer |
|---|---|---|---|---|---|---|---|---|
| Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024 | NSW Department of Climate Change, Energy, the Environment and Water | 13/05/2025 | 28/06/2024 | Quarterly | 1000m | 0 | 0 | 0 |
| National Groundwater Information System (NGIS) Boreholes | Bureau of Meteorology; Water NSW | 30/05/2025 | 04/03/2025 | Annually | 2000m | 2 | 6 | 41 |
| NSW Seamless Geology Single Layer: Rock Units | NSW Department of Primary Industries and Regional Development | 19/05/2025 | 16/04/2024 | Annually | 1000m | 2 | 3 | 8 |
| NSW Seamless Geology Single Layer: Geological Boundaries and Faults | NSW Department of Primary Industries and Regional Development | 19/05/2025 | 16/04/2024 | Annually | 1000m | 0 | 0 | 0 |
| NSW Seamless Geology Single Layer: Trendlines | NSW Department of Primary Industries and Regional Development | 19/05/2025 | 16/04/2024 | Annually | 1000m | 0 | 0 | 0 |
| NSW Seamless Geology Single Layer: Fold Axes | NSW Department of Primary Industries and Regional Development | 19/05/2025 | 16/04/2024 | Annually | 1000m | 0 | 0 | 1 |
| Naturally Occurring Asbestos Potential | NSW Department of Primary Industries and Regional Development | 05/05/2025 | 30/09/2015 | Annually | 1000m | 0 | 0 | 0 |
| Atlas of Australian Soils | Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES) | 15/01/2025 | 17/02/2011 | Annually | 1000m | 2 | 2 | 2 |
| Soil Landscapes of Central and Eastern NSW | NSW Department of Climate Change, Energy, the Environment and Water | 18/12/2024 | 27/07/2020 | Annually | 1000m | 1 | 1 | 2 |
| Environmental Planning Instrument Acid Sulfate Soils | NSW Department of Planning, Housing and Infrastructure | 19/05/2025 | 28/02/2025 | Monthly | 500m | 3 | - | - |
| Atlas of Australian Acid Sulfate Soils | CSIRO | 15/01/2025 | 21/02/2013 | Annually | 1000m | 2 | 2 | 3 |
| Dryland Salinity - National Assessment | Australian Bureau of Agricultural and Resource Economics and Sciences | 03/06/2025 | 15/04/2025 | Annually | 1000m | 0 | 0 | 0 |
| Mining Subsidence Districts | NSW Department of Customer Service | 20/05/2025 | 20/05/2025 | Quarterly | 1000m | 0 | 0 | 0 |
| Current Mining Titles | NSW Department of Primary Industries and Regional Development | 02/06/2025 | 02/06/2025 | Monthly | 1000m | 0 | 0 | 0 |
| Mining Title Applications | NSW Department of Primary Industries and Regional Development | 02/06/2025 | 02/06/2025 | Monthly | 1000m | 0 | 0 | 0 |
| Historic Mining Titles | NSW Department of Primary Industries and Regional Development | 02/06/2025 | 02/06/2025 | Monthly | 1000m | 10 | 10 | 10 |
| Environmental Planning Instrument SEPP State Significant Precincts | NSW Department of Planning, Housing and Infrastructure | 19/05/2025 | 08/09/2023 | Monthly | 1000m | 0 | 0 | 0 |
| Environmental Planning Instrument Land Zoning | NSW Department of Planning, Housing and Infrastructure | 19/05/2025 | 24/05/2025 | Monthly | 1000m | 2 | 6 | 27 |
| Commonwealth Heritage List | Australian Department of Climate Change, Energy, the Environment and Water | 23/10/2024 | 13/04/2022 | Annually | 1000m | 0 | 0 | 0 |
| National Heritage List | Australian Department of Climate Change, Energy, the Environment and Water | 23/10/2024 | 13/04/2022 | Annually | 1000m | 0 | 0 | 0 |
| State Heritage Register - Curtilages | NSW Department of Planning, Industry and Environment | 20/05/2025 | 21/03/2025 | Quarterly | 1000m | 0 | 0 | 1 |
| Environmental Planning Instrument Local Heritage | NSW Department of Planning, Housing and Infrastructure | 19/05/2025 | 02/05/2025 | Monthly | 1000m | 0 | 0 | 14 |
| Bush Fire Prone Land | NSW Rural Fire Service | 24/06/2025 | 23/06/2025 | Monthly | 1000m | 2 | 2 | 2 |
| NSW Native Vegetation Type Map | NSW Department of Climate Change, Energy, the Environment and Water | 28/05/2025 | 04/10/2024 | Quarterly | 1000m | 4 | 4 | 14 |
| Ramsar Wetlands of Australia | Australian Department of Climate Change, Energy, the Environment and Water | 19/05/2025 | 05/03/2025 | Annually | 1000m | 0 | 0 | 0 |
| Collaborative Australian Protected Areas Database (CAPAD) 2022 - Terrestrial | Australian Department of Climate Change, Energy, The Environment and Water | 20/03/2025 | 19/06/2024 | Annually | 1000m | 0 | 0 | 0 |

| Dataset Name | Custodian | Supply Date | Currency Date | Update Frequency | Dataset Buffer (m) | No. Features On-site | No. Features within 100m | No. Features within Buffer |
|---|---|---|---|---|---|---|---|---|
| Collaborative Australian Protected Areas Database (CAPAD) 2022 - Marine | Australian Department of Climate Change, Energy, The Environment and Water | 20/03/2025 | 30/06/2022 | Annually | 1000m | 0 | 0 | 0 |
| Groundwater Dependent Ecosystems | Bureau of Meteorology | 30/05/2025 | 07/05/2020 | Annually | 1000m | 0 | 1 | 3 |
| Inflow Dependent Ecosystems Likelihood | Bureau of Meteorology | 30/05/2025 | 07/05/2020 | Annually | 1000m | 0 | 1 | 3 |
| NSW BioNet Species Sightings | NSW Department of Climate Change, Energy, the Environment and Water | 13/06/2025 | 13/06/2025 | Monthly | 10000m | - | - | - |

# Site Diagram

**Bolong Road, Bomaderry, NSW 2541**




**Legend**

- Site Boundary
- Internal Parcel Boundaries

**Total Area:** 84967m²

**Total Perimeter:** 3.45km

Scale: 0 25 50 100 150 200 250 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Disclaimers:

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

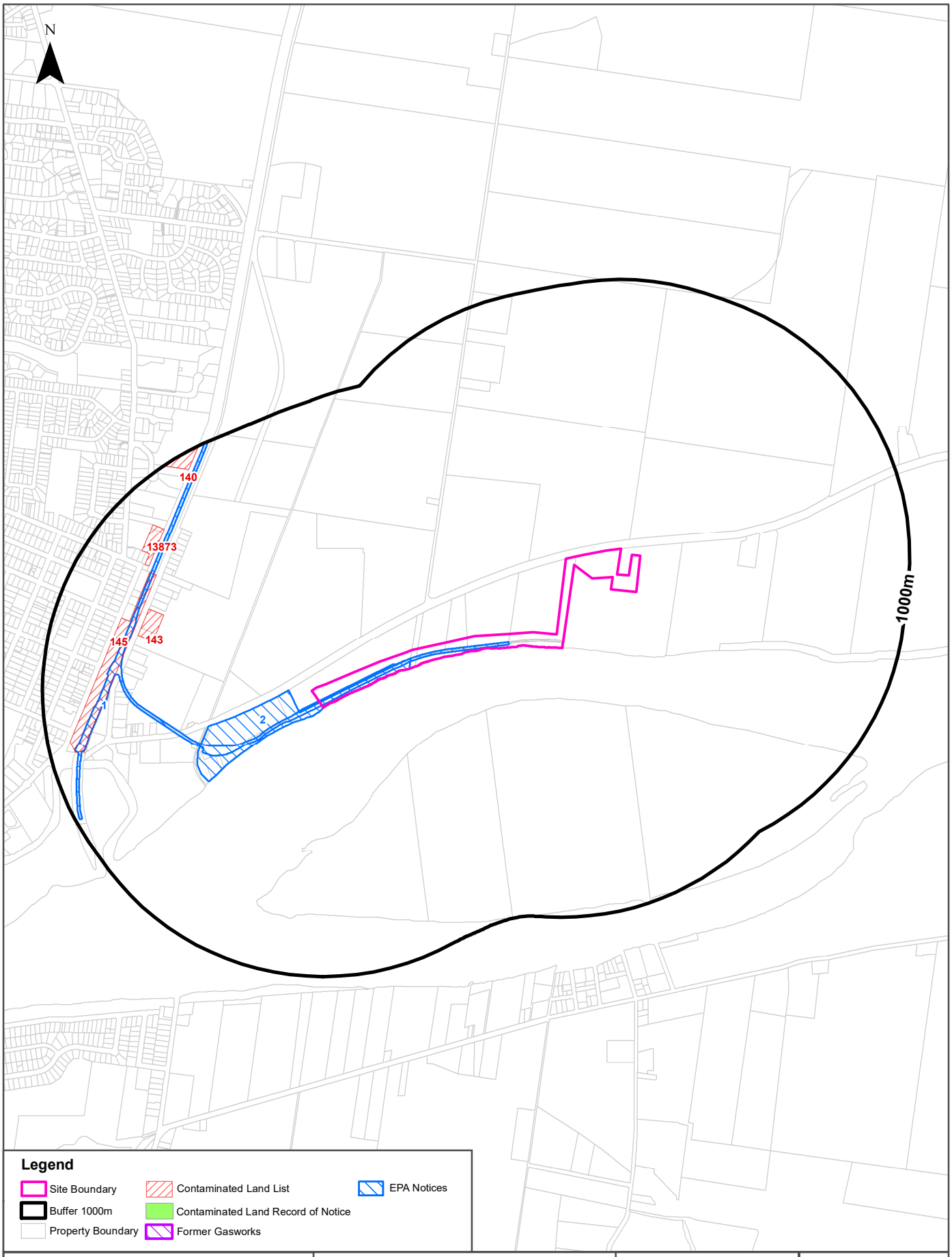
Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.

Coordinate System: GDA 1994 MGA Zone 56

Date: 24 June 2025

# Contaminated Land

**Bolong Road, Bomaderry, NSW 2541**



# Contaminated Land

**Bolong Road, Bomaderry, NSW 2541**

## List of NSW contaminated sites notified to EPA

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

| Map Id | Site | Address | Suburb | Activity | Management Class | Status | Location Confidence | Dist | Direction |
|---|---|---|---|---|---|---|---|---|---|
| 143 | Former Shell Depot | 44 Railway Street | Bomaderry | Other Petroleum | Regulation under CLM Act not required | Current EPA List | Premise Match | 617m | West |
| 145 | SRA Land | Lot 2 Meroo Street | Bomaderry | Unclassified | Regulation under CLM Act not required | Current EPA List | Premise Match | 698m | West |
| 13873 | Ampol Bomaderry Fuel Depot (formerly Caltex Bomaderry) | 1 Cambewarra ROAD | BOMADERRY | Other Petroleum | Under assessment | Current EPA List | Premise Match | 763m | West |
| 140 | Bomaderry Works Depot | 10 McIntyre Way | Bomaderry | Other Petroleum | Regulation under CLM Act not required | Current EPA List | Premise Match | 939m | North West |

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

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

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

# Contaminated Land

**Bolong Road, Bomaderry, NSW 2541**

## Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

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

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

## Former Gasworks

Former Gasworks within the dataset buffer:

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

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

# Contaminated Land

**Bolong Road, Bomaderry, NSW 2541**

## EPA Notices

Penalty Notices, s.91 & s.92 Clean up Notices and s.96 Prevention Notices within the dataset buffer:

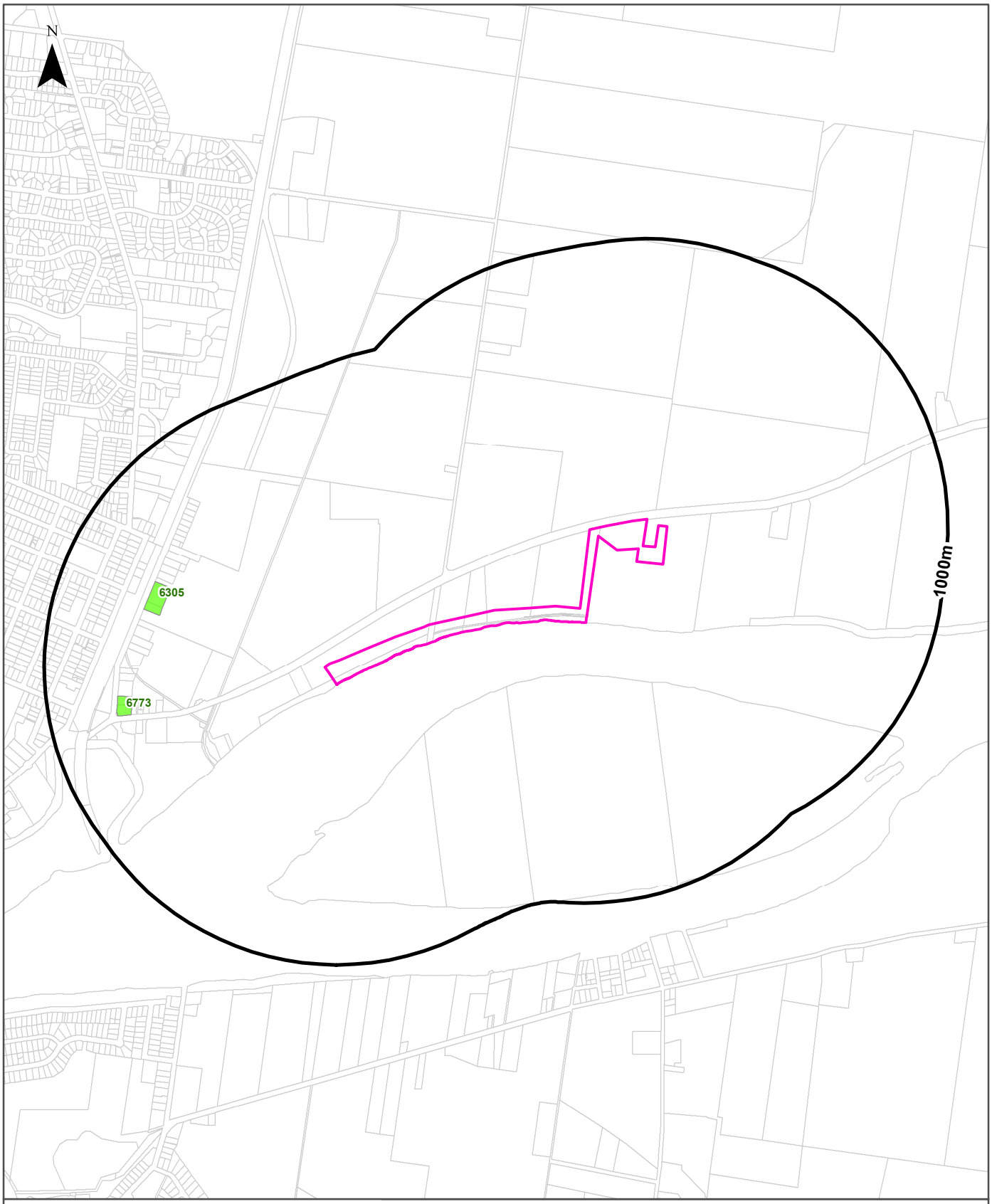
| Map ID | Number | Type | Name | Address | Status | Issued Date | Act | Offence | Offence Date | Loc Conf | Dist | Dir |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3173530755 | Penalty Notice | SYDNEY TRAINS | SYDNEY TRAINS, HAYMARKET, NSW 1238 | Issued | 10/11/2021 | Protection of the Environment Operations Act 1997 - 64(1) | Contravene condition of licence - Corporation | 31/05/2021 | Network of Features | 0m | On-site |
| 2 | 3173525621 | Penalty Notice | SHOALHAVEN STARCHES PTY LTD | 160 BOLONG ROAD, BOMADERRY, NSW 2541 | Issued | 18/05/2018 | Protection of the Environment Operations Act 1997 - 64(1) | Contravene condition of licence - Corporation | 04/08/2017 | Premise Match | 0m | On-site |
| | 1113256 | s.91 Clean Up Notice | SHOALHAVEN STARCHES PTY LTD | 160 BOLONG ROAD, BOMADERRY, NSW 2541 | Issued | 03/05/2010 | | | | Premise Match | 0m | On-site |
| | 1091373 | s.96 Prevention Notice | SHOALHAVEN STARCHES PTY LTD | 160 BOLONG ROAD, BOMADERRY, NSW 2541 | Issued | 04/09/2008 | | | | Premise Match | 0m | On-site |
| | 3510650 | s.91 Clean Up Notice | SHOALHAVEN STARCHES PTY LTD | 160 BOLONG ROAD, BOMADERRY, NSW 2541 | Issued | 18/10/2024 | | | | Premise Match | 0m | On-site |
| | 3510708 | s.91 Clean Up Notice | SHOALHAVEN STARCHES PTY LTD | 160 BOLONG ROAD, BOMADERRY, NSW 2541 | Issued | 29/10/2024 | | | | Premise Match | 0m | On-site |

NSW EPA Notice Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

# Waste Management & Liquid Fuel Facilities

**Bolong Road, Bomaderry, NSW 2541**




**Legend**

- Site Boundary
- Buffer 1000m
- Property Boundary
- Waste Management Facilities
- National Liquid Fuel Facilities

| Scale: | Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025 | Coordinate System: GDA 1994 MGA Zone 56 | Date: 24 June 2025 |
|---|---|---|---|

0 100 200 400 600 800 1,000
Meters

# Waste Management & Liquid Fuel Facilities

**Bolong Road, Bomaderry, NSW 2541**

## National Waste Management Facilities Database

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

| Map ID | Owner | Name | Address | Management Type | Facility Type | Status | Loc Conf | Dist | Dir |
|---|---|---|---|---|---|---|---|---|---|
| N/A | No records in buffer | | | | | | | | |

Source: Waste Management Facilities Database
Creative Commons 4.0 © Commonwealth of Australia (Geoscience Australia) 2022

## National Liquid Fuel Facilities

National Liquid Fuel Facilties within the dataset buffer:

| Map Id | Owner | Name | Address | Suburb | Class | Operational Status | Operator | Revision Date | Loc Conf | Dist | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6305 | ENHANCE | ENHANCE | 44 RAILWAY STREET | BOMADERRY | PETROL STATION | OPERATIONAL | | | Premise Match | 617m | West |
| 6773 | MOBIL | MOBIL BOMADERRY | 33 BOLONG ROAD | BOMADERRY | PETROL STATION | OPERATIONAL | | | Premise Match | 697m | West |

National Liquid Fuel Facilities Data Source: Geoscience Australia
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# PFAS Investigation & Management Programs

**Bolong Road, Bomaderry, NSW 2541**



# PFAS Investigation & Management Programs

**Bolong Road, Bomaderry, NSW 2541**

## EPA PFAS Investigation Program

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

| Map ID | Site | Address | Loc Conf | Dist | Dir |
|---|---|---|---|---|---|
| 28 | Shoalhaven River | Shoalhaven River | Network of Features | 0m | On-site |

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

## Defence PFAS Investigation Program

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

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

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

## Defence PFAS Management Program

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

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

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

## Airservices Australia National PFAS Management Program

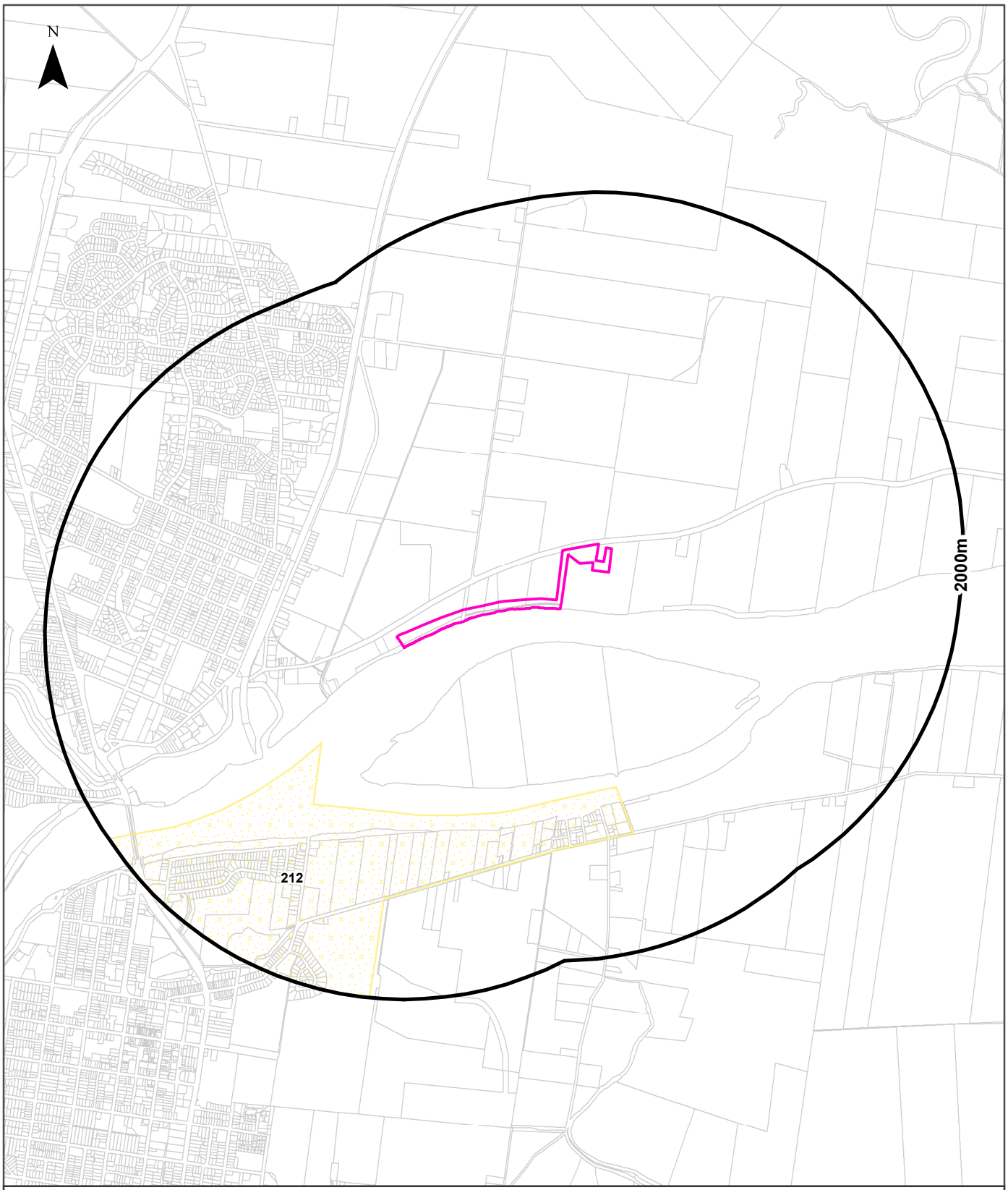
Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

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

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

# Defence Sites and Unexploded Ordnance

**Bolong Road, Bomaderry, NSW 2541**




**Legend**

- Site Boundary
- Buffer 2000m
- Property Boundaries

**DCA**

- Defence Controlled Area

**Defence 3 Year RCIP**

- Known Contamination
- No Known Contamination

**UXO**

- Substantial Potential
- Slight Potential
- Remote Potential
- Sea Dumping of Depth Charges
- Information
- Other
- Other Sea Dumping Sites

| Scale: | Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025 | Coordinate System: GDA 1994 MGA Zone 56 | Date: 24 June 2025 |
|---|---|---|---|

0 200 400 800 1,200 1,600 Meters

# Defence Sites and Unexploded Ordnance

**Bolong Road, Bomaderry, NSW 2541**

## Defence Controlled Areas (DCA)

Defence Controlled Areas provided by the Department of Defence within the dataset buffer:

| Site ID | Location Name | Loc Conf | Dist | Dir |
|---|---|---|---|---|
| N/A | No records in buffer | | | |

Defence Controlled Areas, Data Custodian: Department of Defence, Australian Government

## Defence 3 Year Regional Contamination Investigation Program (RCIP)

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

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

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

## National Unexploded Ordnance (UXO)

Sites which have been assessed by the Department of Defence for the potential presence of unexploded ordnance within the dataset buffer:

| Site ID | Location Name | Category | Area Description | Additional Information | Commonwealth | Loc Conf | Dist | Dir |
|---|---|---|---|---|---|---|---|---|
| 212 | Nowra | Other | Records indicate that large numbers of Troops Camped and Trained in the vicinity of Nowra during WW2. | | Not Commonwealth Land | As Supplied | 721m | South West |

National Unexploded Ordnance (UXO), Data Custodian: Department of Defence, Australian Government

# EPA Other Sites with Contamination Issues

**Bolong Road, Bomaderry, NSW 2541**

## EPA Other Sites with Contamination Issues

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

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

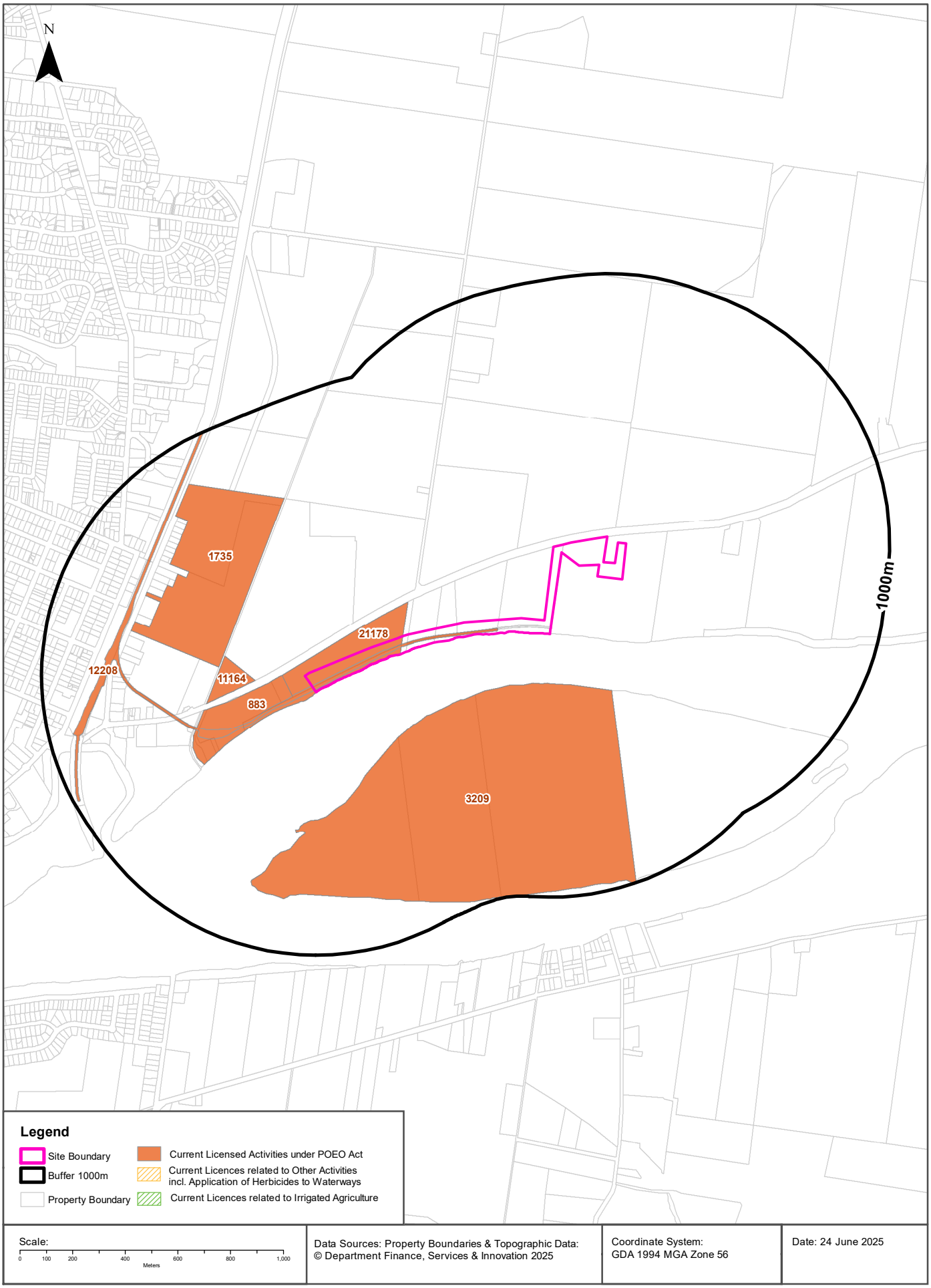
Sites within the dataset buffer:

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

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

# Current EPA Licensed Activities

**Bolong Road, Bomaderry, NSW 2541**



# EPA Activities

**Bolong Road, Bomaderry, NSW 2541**

## Licensed Activities under the POEO Act 1997

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

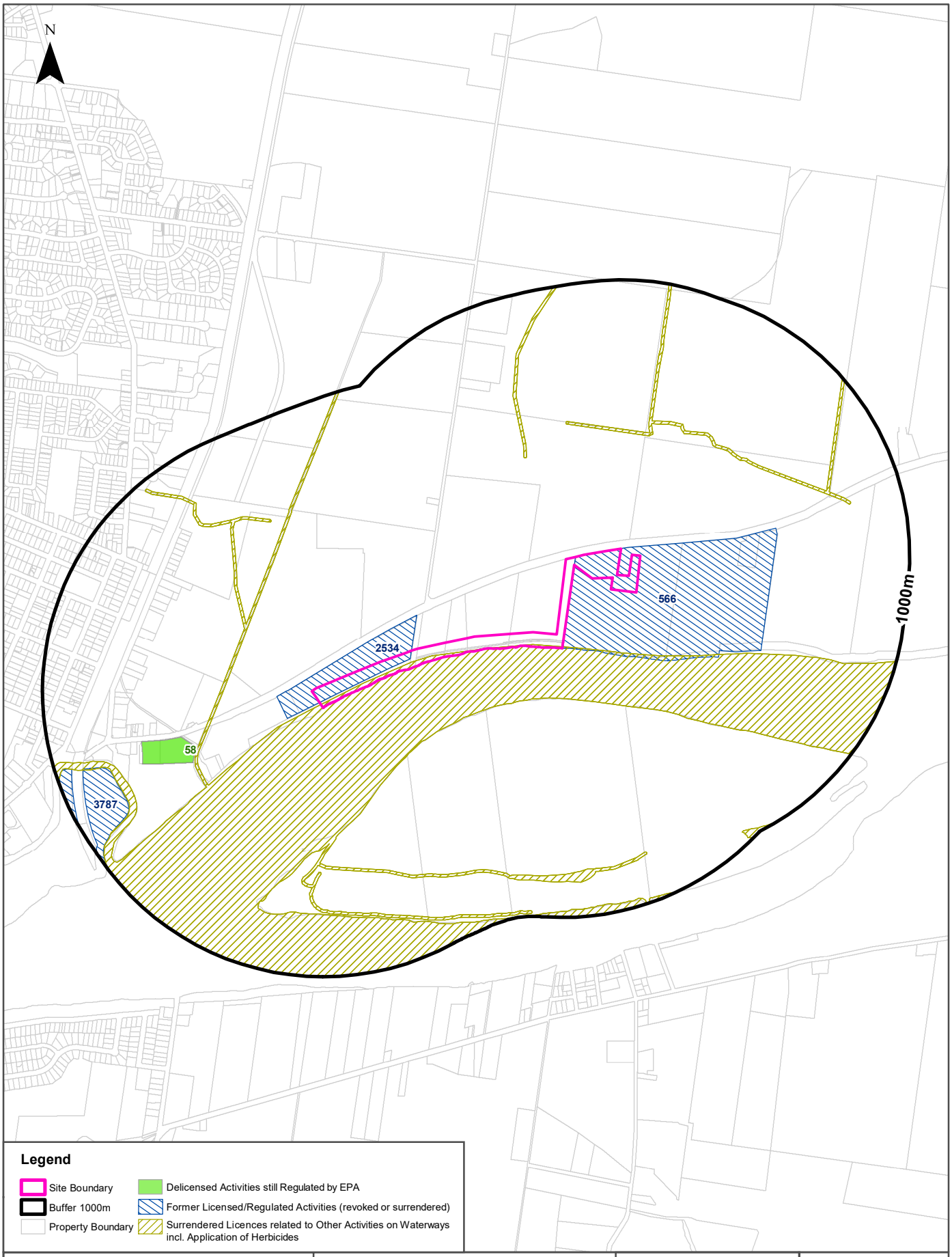
| EPL | Organisation | Name | Address | Suburb | Activity | Loc Conf | Distance | Direction |
|---|---|---|---|---|---|---|---|---|
| 883 | SHOALHAVEN STARCHES PTY LTD | SHOALHAVEN STARCHES PTY LTD | 160 BOLONG ROAD | BOMADERRY | General chemicals storage | Premise Match | 0m | On-site |
| 883 | SHOALHAVEN STARCHES PTY LTD | SHOALHAVEN STARCHES PTY LTD | 160 BOLONG ROAD | BOMADERRY | Dangerous goods production | Premise Match | 0m | On-site |
| 883 | SHOALHAVEN STARCHES PTY LTD | SHOALHAVEN STARCHES PTY LTD | 160 BOLONG ROAD | BOMADERRY | General agricultural processing | Premise Match | 0m | On-site |
| 21178 | SUPAGAS PTY LIMITED | | 220 Bolong Road, BOMADERRY, NSW 2541 | | General chemicals storage | Premise Match | 0m | On-site |
| 21178 | SUPAGAS PTY LIMITED | | 220 Bolong Road, BOMADERRY, NSW 2541 | | Dangerous goods production | Premise Match | 0m | On-site |
| 12208 | SYDNEY TRAINS | | SYDNEY TRAINS, HAYMARKET, NSW 1238 | | Railway systems activities | Network of Features | 0m | On-site |
| 3209 | SAM8888 PTY LIMITED | SHOALHAVEN SAND PTY LTD | 125 TERARA ROAD | TERARA | Water-based extractive activity | Premise Match | 185m | South |
| 11164 | BOC LIMITED | BOC LIMITED | LOT 241 BOLONG ROAD | BOMADERRY | Dangerous goods production | Premise Match | 191m | West |
| 11164 | BOC LIMITED | BOC LIMITED | LOT 241 BOLONG ROAD | BOMADERRY | General chemicals storage | Premise Match | 191m | West |
| 1735 | SHOALHAVEN CITY COUNCIL | BOMADERRY SEWAGE TREATMENT PLANT | RAILWAY STREET | BOMADERRY | Sewage treatment processing by small plants | Premise Match | 318m | West |

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

# Delicensed & Former Licensed EPA Activities

**Bolong Road, Bomaderry, NSW 2541**



# EPA Activities

**Bolong Road, Bomaderry, NSW 2541**

## Delicensed Activities still regulated by the EPA

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

| Licence No | Organisation | Name | Address | Suburb | Activity | Loc Conf | Distance | Direction |
|---|---|---|---|---|---|---|---|---|
| 58 | CLEARY BROS (BOMBO) PTY LTD | CLEARY BROS CONCRETE | LOT 3 BOLONG ROAD | BOMADERRY | Concrete works | Premise Match | 484m | West |

Delicensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

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

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

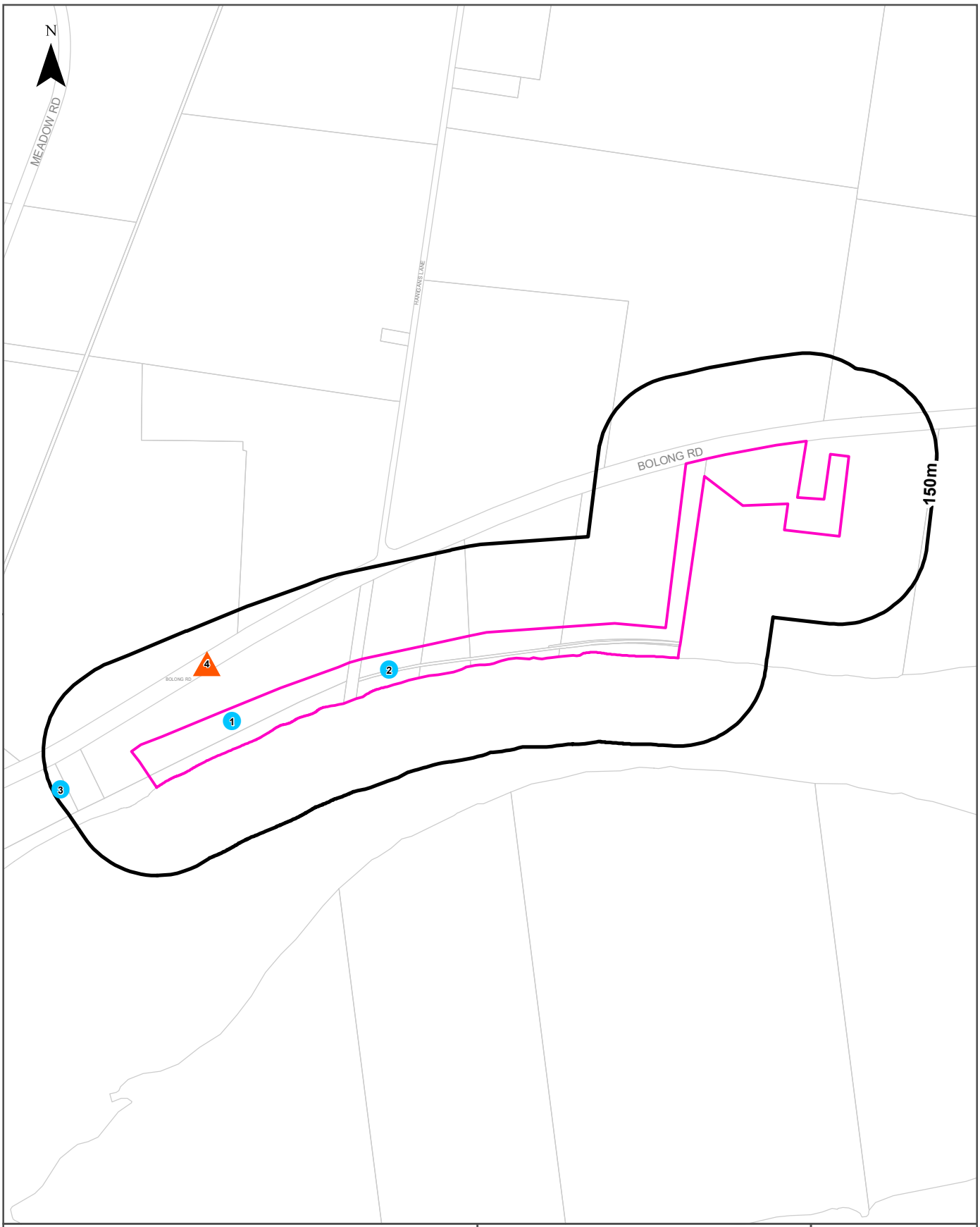
| Licence No | Organisation | Location | Status | Issued Date | Activity | Loc Conf | Distance | Direction |
|---|---|---|---|---|---|---|---|---|
| 566 | PAPER AUSTRALIA PTY LTD | AUSTRALIAN PAPER SHOALHAVEN MILL, 340 BOLONG ROAD, BOMADERRY | Surrendered | 15/02/2000 | Paper or pulp production | Premise Match | 0m | On-site |
| 2534 | AUSTRALIAN CO-OPERATIVE FOODS LIMITED | 220 BOLONG ROAD, BOMADERRY, NSW 2541 | Surrendered | 09/10/2000 | Dairy processing | Premise Match | 0m | On-site |
| 4653 | LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD | WATERWAYS THROUGHOUT NSW | Surrendered | 06/09/2000 | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 0m | On-site |
| 4838 | Robert Orchard | Various Waterways throughout New South Wales - SYDNEY NSW 2000 | Surrendered | 07/09/2000 | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 0m | On-site |
| 6630 | SYDNEY WEED & PEST MANAGEMENT PTY LTD | WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148 | Surrendered | 09/11/2000 | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 0m | On-site |
| 3787 | ELSIE EDITH BRYCE | 474 PRINCES HIGHWAY, NOWRA, NSW 2541 | Surrendered | 04/05/2001 | Other Activities - Irrigated Agriculture | Premise Match | 796m | South West |

Former Licensed Activities Data Source: Environment Protection Authority

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# Historical Business Directories

**Bolong Road, Bomaderry, NSW 2541**




**Legend**

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

Scale: 0 125 250 375 500 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 24 June 2025

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

# Historical Business Directories

**Bolong Road, Bomaderry, NSW 2541**

## Business Directory Records 1950-1991
## Premise or Road Intersection Matches

Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Property Boundary or Road Intersection | Direction |
|---|---|---|---|---|---|---|---|
| 1 | DAIRY PRODUCT MFRS. &/OR W/SALERS. | Australian Co-Operative Foods Ltd., 220 Bolong Rd Bomaderry | 99643 | 1991 | Premise Match | 0m | On-site |
| 2 | STEEL ERECTORS. | Boweld Constructions Pty Ltd., 250 Bolong Rd Bomaderry | 104922 | 1991 | Premise Match | 0m | On-site |
| | WEIGHBRIDGES. | Boweld Constructions Pty Ltd., 250 Bolong Rd Bomaderry | 104691 | 1991 | Premise Match | 0m | On-site |
| | ELECTRICAL CONTRACTORS. | Imeec Electrical Pty Ltd., 250 Bolong Rd Bomaderry | 101344 | 1991 | Premise Match | 0m | On-site |
| 3 | DAIRY PRODUCT MFRS. &/OR W/SALERS. | Hookers Milk Products Pty Ltd., 160 Bolong Rd Bomaderry | 99762 | 1991 | Premise Match | 126m | West |
| | GLUCOSE MFRS. &/OR DISTS. | Manildra Sugars., 160 Bolong Rd Bomaderry | 99986 | 1991 | Premise Match | 126m | West |
| | FLOUR MILLERS &/OR MERCHANTS. | Shoalhaven Milling Company., 160 Bolong Rd Bomaderry | 105585 | 1991 | Premise Match | 126m | West |
| | STARCH MFRS. &/OR DISTS. | Shoalhaven Starches Pty Ltd., 160 Bolong Rd Bomaderry | 105836 | 1991 | Premise Match | 126m | West |

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# Business Directory Records 1950-1991
# Road or Area Matches

Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|---|---|---|---|---|---|---|
| 4 | MOTOR ACCESSORIES-RETAIL. | Aberrain Four Wheel Drive Accessories., Lot 5 Bolong Rd Bromaderry | 105304 | 1991 | Road Match | 47m |
| | BUILDERS SUPPLIES. | Do It Yourself Hardware., 54 Bolong Rd Bomaderry | 98323 | 1991 | Road Match | 47m |
| | BUILDERS &/OR BUILDING CONTRACTORS | Malibu Building Services., 54 Bolong Rd Bomaderry | 99521 | 1991 | Road Match | 47m |
| | BATTERY SALES &/OR SERVICE. | Martins Auto Electrical Martins Comer., Belong Rd Bomaderry | 98434 | 1991 | Road Match | 47m |
| | AUTO ELECTRICIANS. | Martins Auto Electrical Martins Corner., Bolong Rd Bomaderry | 98079 | 1991 | Road Match | 47m |
| | AUTO ELECTRICIAN | Martin's Auto Electrical., Bolong Rd Bomaderry | 97946 | 1991 | Road Match | 47m |
| | MOTOR ENGINEERS | Mott A & Ks. Martins Comer., Bolong Rd Bomaderry | 101528 | 1991 | Road Match | 47m |
| | TIMBER MERCHANTS &/OR SAWMILLERS. | Shoalhaven City Timbers., 54 Bolong Rd Bomaderry | 102660 | 1991 | Road Match | 47m |
| | NOT LISTED | Shoalhaven Steel Supplies Pty Ltd., Bolong Rd Bomaderry | 103291 | 1991 | Road Match | 47m |
| | BUILDERS SUPPLIES. | Shoalhaven Steel Supplies., Bolong Rd Bomaderry | 98963 | 1991 | Road Match | 47m |
| | FENCING MATERIAL MFRS. &/OR DISTS. | Shoalhaven Steel Supplies., Bolong Rd Bomaderry | 99797 | 1991 | Road Match | 47m |
| | ROOFING MATERIAL MFRS. &/OR DISTS. | Shoalhaven Steel Supplies., Bolong Rd Bomaderry | 102610 | 1991 | Road Match | 47m |
| | CONCRETE REINFORCEMENTS | Shoalhaven Steel Supplies., Boloog Rd Bomaderry | 100204 | 1991 | Road Match | 47m |
| | STEEL MERCHANTS-GENERAL | Shoallovan Steel Sanities., Belong Rd Bomaderry | 99122 | 1991 | Road Match | 47m |
| | MOTOR GARAGES & SERVICE STATIONS. | Skyview Service Station., Bolong Rd Bomaderry | 102526 | 1991 | Road Match | 47m |
| | OFFICE EQUIPMENT &/OR SUPPLIES MFRS. &/OR IMPS. &/OR W/SALERS. | Southern Office Resources., 54 Bolong Rd Bomaderry | 104224 | 1991 | Road Match | 47m |
| | PAPER MFRS. &/OR MERCHANTS | Associated Pulp & Paper Mills Ltd., Bolong Rd., Bomaderry 2541 | 137989 | 1982 | Road Match | 47m |
| | MOTOR GARAGES & / OR ENGINEERS &/OR SERVICE STATIONS | Bolong Auto Centre, B.P., Bolong Rd., Bomaderry 2541 | 137900 | 1982 | Road Match | 47m |
| | MOTOR WHEEL ALIGNING & BALANCING SERVICES | Bolong Auto Centre, B.P., Bolong Rd., Bomaderry 2541 | 137958 | 1982 | Road Match | 47m |
| | STEEL FABRICATORS | Boneld Constructions Pty. Ltd., Bolong Rd., Bomaderry 2541 | 138127 | 1982 | Road Match | 47m |
| | WELDERS - ELECTRIC &/OR OXY | Boneld Constructions Pty. Ltd., Bolong Rd., Bomaderry 2541 | 138201 | 1982 | Road Match | 47m |
| | AGRICULTURAL MACHINERY HIRERS &/OR DEALERS | Bruce Cobb Pty. Ltd., Bolong Rd., Bomaderry 2541 | 137322 | 1982 | Road Match | 47m |
| | AGRICULTURAL MACHINERY REPAIRS | Bruce Cobb Pty. Ltd., Bolong Rd., Bomaderry 2541 | 137327 | 1982 | Road Match | 47m |
| | CONCRETE - READY MIXED - SUPPLIERS | Cleary Bros. Concrete - Bomaderry, Lot 3, Bolong Rd., Bomaderry 2541 | 137543 | 1982 | Road Match | 47m |
| | MILK PRODUCTS MFRS. &/OR DISTS | Hookers Milk Products Pty. Ltd., Bolong Rd., Bomaderry 2541 | 137803 | 1982 | Road Match | 47m |
| | ELECTRICAL CONTRACTORS - LICENSED | IMEEC Electrical Pty. Ltd., Bolong Rd., Bomaderry 2541 | 137593 | 1982 | Road Match | 47m |
| | GLUCOSE MFRS | Manildra Sugars, Bolong Rd., Bomaderry 2541 | 137693 | 1982 | Road Match | 47m |

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|---|---|---|---|---|---|---|
| 4 | BATTERY SALES &/ OR SERVICE | Martins Auto Electrical, Bolong Rd., Bomaderry 2541 | 137406 | 1982 | Road Match | 47m |
| | MOTOR ELECTRICIANS | Martins Auto Electrical, Bolong Rd., Bomaderry 2541 | 137889 | 1982 | Road Match | 47m |
| | PLUMBERS SUPPLIES | Milan Building Material Centre, 54 Bolong Rd., Bomaderry 2541 | 138011 | 1982 | Road Match | 47m |
| | BUILDERS SUPPLIERS | Millars Building Material Centre, 54 Bolong Rd., Bomaderry 2541 | 137445 | 1982 | Road Match | 47m |
| | HARDWARE &/OR BUILDERS SUPPLIES | Millars Building Material Centre, 54 Bolong Rd., Bomaderry 2541 | 137728 | 1982 | Road Match | 47m |
| | LIME &/OR CEMENT MERCHANTS | Millars Building Material Centre, 54 Bolong Rd., Bomaderry 2541 | 137785 | 1982 | Road Match | 47m |
| | TIMBER MERCHANTS &/ OR SAWMILLERS | Millars Building Material Centre, 54 Bolong Rd., Bomaderry 2541 | 138162 | 1982 | Road Match | 47m |
| | BUILDERS SUPPLIES | Millars Building Materials Centre 54 Bolong Road, Bomaderry 2541 | 137449 | 1982 | Road Match | 47m |
| | Agricultural Machinery - Mfrs. &/or Dists. | Moorhouse Machinery Pty. Ltd. Bolong Road, Bomaderry 2541 | 137325 | 1982 | Road Match | 47m |
| | BUILDERS SUPPLIERS | Murry-More, J. (N.S.W.) Pty. Ltd., Bolong Rd., Bomaderry 2541 | 137446 | 1982 | Road Match | 47m |
| | ROOFING MATERIAL MFRS. &/ OR DISTS | Murry-More, J. (N.S.W.) Pty. Ltd., Bolong Rd., Bomaderry 2541 | 138073 | 1982 | Road Match | 47m |
| | STEEL DISTRIBUTORS | Murry-More, J. (N.S.W.) Pty. Ltd., Bolong Rd., Bomaderry 2541 | 138126 | 1982 | Road Match | 47m |
| | HARDWARE &/OR BUILDERS SUPPLIES | Nowra Dairy Co-op Store, Bolong Rd., Bomaderry 2541 | 137729 | 1982 | Road Match | 47m |
| | BUTTER MFRS & / OR W/SALERS | Nowra Dairy Co-op. Ltd., Bolong Rd., Bomaderry 2541 | 137479 | 1982 | Road Match | 47m |
| | DAIRY PRODUCE MERCHANTS & / OR W/SALERS | Nowra Dairy Co-op. Ltd., Bolong Rd., Bomaderry 2541 | 137552 | 1982 | Road Match | 47m |
| | MILK PRODUCTS MFRS. &/OR DISTS | Nowra Dairy Co-op. Ltd., Bolong Rd., Bomaderry 2541 | 137804 | 1982 | Road Match | 47m |
| | MOTOR BUS SERVICES | Sampsons Tours Pty. Ltd., Bolong Rd., Bomaderry 2541 | 137856 | 1982 | Road Match | 47m |
| | FLOUR MERCHANTS & /OR MILLERS | Shoalhaven Milling Company, Bolong Rd., Bomaderry 2541 | 137645 | 1982 | Road Match | 47m |
| | STARCH MFRS. &/ OR DISTS | Shoalhaven Starches Pty. Ltd., Bolong Rd., Bomaderry 2541 | 138121 | 1982 | Road Match | 47m |
| | AGRICULTURAL MACHINERY HIRERS &/OR DEALERS | South Coast Farm Machinery Exchange, Bolong Rd., Bomaderry 2541 | 137324 | 1982 | Road Match | 47m |
| | CONCRETE-PRE-MIXED SUPPLIERS | Bomaderry Ready Mix Concrete Pty. Ltd., Lot 3 Bolong Rd., Bomaderry 2540 | 569513 | 1970 | Road Match | 47m |
| | GRAVEL, SAND & SOIL SUPPLIES | Bomaderry Ready Mix Concrete Pty. Ltd., Lot 3 Bolong Rd., Bomaderry 2540 | 569691 | 1970 | Road Match | 47m |
| | SCHOOLS COLLEGES-TECHNICAL | Bomaderry Technical College, Bolong Rd. Nowra-Bomaderry 2540 | 570071 | 1970 | Road Match | 47m |
| | MILK RECEIVING & CHILLING DEPOT | British Australian Milk Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569813 | 1970 | Road Match | 47m |
| | FITTERS & TURNERS | Dittman, N. H., Bolong Rd., Bomaderry 2540 | 569625 | 1970 | Road Match | 47m |
| | MILK PRODUCTS MANUFACTURERS | Horlicks Pty. Ltd., Bolong St., Bomaderry 2540 | 569811 | 1970 | Road Match | 47m |
| | FENCE & GATE MANUFACTURERS | Kelley & Ingram, Bolong Rd., Bomaderry 2540 | 569613 | 1970 | Road Match | 47m |
| | MOTOR BODY BUILDERS & REPAIRERS | Kelley & Ingram, Bolong Rd., Bomaderry 2540 | 569869 | 1970 | Road Match | 47m |
| | AGRICULTURAL MACHINERY HIRERS &/OR DEALERS | Moorhouse The Machinery Man Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569322 | 1970 | Road Match | 47m |
| | AGRICULTURAL MACHINERY REPAIRS | Moorhouse The Machinery Man Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569327 | 1970 | Road Match | 47m |
| | DAIRY MACHINE EQUIPMENT MANUFACTURERS &/OR DISTRIBUTORS | Moorhouse The Machinery Man Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569525 | 1970 | Road Match | 47m |
| | ELECTRICAL CONTRACTORS-LICENSED | Moorhouse The Machinery Man Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569580 | 1970 | Road Match | 47m |
| | ENGINEERS-DAIRY | Moorhouse The Machinery Man Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569592 | 1970 | Road Match | 47m |

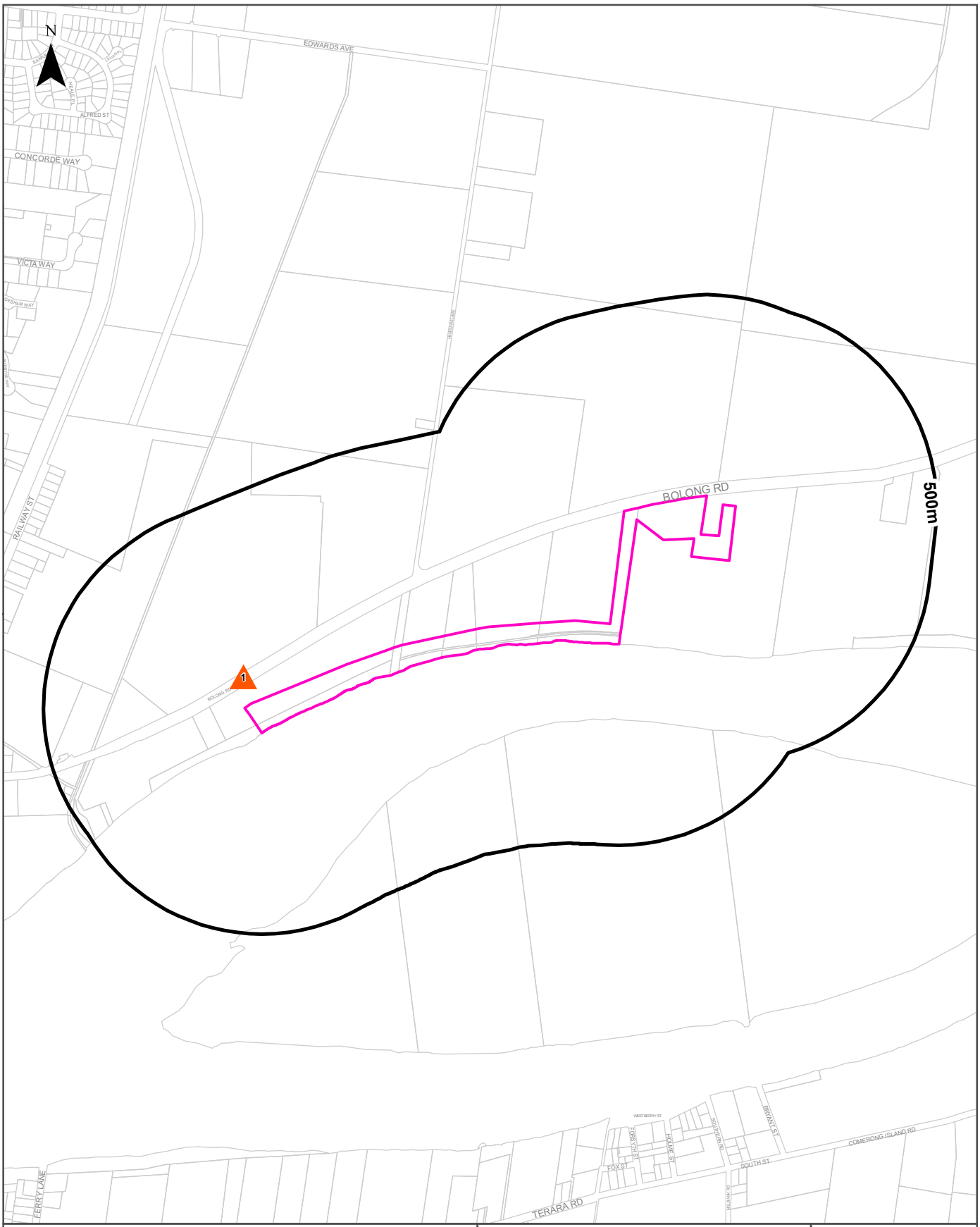
| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|---|---|---|---|---|---|---|
| 4 | MOTOR CAR & TRUCK DEALERS-NEW & USED | Moorhouse The Machinery Man Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569884 | 1970 | Road Match | 47m |
| | TRACTOR REPAIR SPECIALISTS | Moorhouse The Machinery Man Pty. Ltd., Bolong Rd., Bomaderry 2540 | 570139 | 1970 | Road Match | 47m |
| | MOTOR SERVICE STATIONS-PETROL, OILS, Etc. | Nowra Dairy Co-Op (Trading) Ltd Bolong Rd., Bomaderry | 569937 | 1970 | Road Match | 47m |
| | BUTTER MANUFACTURERS & WHOLESALERS | Nowra Dairy Co-Op Ltd Bolong Rd., Bomaderry 2540 | 569442 | 1970 | Road Match | 47m |
| | MOTOR SERVICE STATIONS-PETROL, OILS, Etc. | Nowra Dairy Co-op. (Trading) Ltd., Bolong Rd., Bomaderry 2540 | 569947 | 1970 | Road Match | 47m |
| | MILK PRODUCTS MANUFACTURERS | Nowra Dairy Co-op. Ltd., Bolong Rd., Bomaderry 2540 | 569812 | 1970 | Road Match | 47m |
| | CRANES-MOBILE-PROPRIETORS &/OR HIRERS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569521 | 1970 | Road Match | 47m |
| | EARTH MOVING & ROAD MAKING CONTRACTORS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569563 | 1970 | Road Match | 47m |
| | GAS APPLIANCE SHOWROOMS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569659 | 1970 | Road Match | 47m |
| | HARDWARE & BUILDERS SUPPLIES | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569728 | 1970 | Road Match | 47m |
| | LIME & CEMENT MERCHANTS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569781 | 1970 | Road Match | 47m |
| | PLUMBERS' SUPPLIES | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 570016 | 1970 | Road Match | 47m |
| | READY-CUT HOMES | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 570041 | 1970 | Road Match | 47m |
| | TIMBER MERCHANTS & SAWMILLERS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 570131 | 1970 | Road Match | 47m |
| | PLYWOOD MFRS. & MERCHANTS | Reid &. Herne Pty. Ltd., Bolong Rd., Bomaderry 2540 | 570020 | 1970 | Road Match | 47m |
| | AGRICULTURAL MACHINERY HIRERS &/OR DEALERS | South Coast Farm Machinery Exchange, Bolong Rd., Bomaderry 2540 | 569326 | 1970 | Road Match | 47m |
| | PAPER MANUFACTURERS | Wiggins Teape Shoalhaven Pty. Ltd., Bolong Rd., Bomaderry 2540 | 569995 | 1970 | Road Match | 47m |
| | FENCE & GATE MANUFACTURERS | Bolong Rd., Bomaderry | 218124 | 1961 | Road Match | 47m |
| | SCHOOLS & COLLEGES-TECHNICAL | Bomaderry Technical College, Bolong Rd., Nowra - Bomaderry | 218539 | 1961 | Road Match | 47m |
| | MILK RECEIVING & CHILLING DEPOT | British-Australian Milk Co. Ltd., Bolong St., Bomaderry | 218339 | 1961 | Road Match | 47m |
| | ENGINEERS-HOT WATER HEATING & VENTILATING | Davidson's, Bolong Rd., Bomaderry | 218100 | 1961 | Road Match | 47m |
| | HOT WATER SYSTEMS-ELECTRIC-MFRS. & DISTRIBUTORS | Davidson's, Bolong Rd., Bomaderry | 218265 | 1961 | Road Match | 47m |
| | PLUMBERS, GASFITTERS & DRAINLAYERS | Davidson's, Boolong Rd., Bomaderry | 218500 | 1961 | Road Match | 47m |
| | SHEET METAL WORKERS | Davidson's, Boolong Rd., Bomaderry | 218543 | 1961 | Road Match | 47m |
| | ENGINEERS-GENERAL, MFRG. & MECHANICAL | Dittman, H., Bolong Rd., Bomaderry | 218090 | 1961 | Road Match | 47m |
| | WELDERS-ELECTRIC & OXY | Dittman, M. H., Bolong Rd., Bomaderry | 218611 | 1961 | Road Match | 47m |
| | ENGINEERS-PRECISION | Dittman, N. H., Bolong Rd., Bomaderry | 218103 | 1961 | Road Match | 47m |
| | FITTERS & TURNERS | Dittman, N. H., Bolong Rd., Bomaderry | 218145 | 1961 | Road Match | 47m |
| | MILK PRODUCTS MANUFACTURERS | Horlicks Pty. Ltd., Bolong St., Bomaderry | 218338 | 1961 | Road Match | 47m |
| | CRANES-MOBILE-PROPRIETORS, HIRE | Kelley & Ingram, Bolong Rd., Bomaderry | 218024 | 1961 | Road Match | 47m |
| | ENGINEERS-FABRICATING | Kelley & Ingram, Bolong Rd., Bomaderry | 218085 | 1961 | Road Match | 47m |
| | WELDERS-ELECTRIC & OXY | Kelley & Ingram, Bolong Rd., Bomaderry | 218613 | 1961 | Road Match | 47m |
| | WROUGHT IRON WORKERS | Kelley & Ingram, Bolong Rd., Bomaderry | 218618 | 1961 | Road Match | 47m |

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|---|---|---|---|---|---|---|
| 4 | ENGINEERS-GENERAL, MFRG. & MECHANICAL | Kelley and Ingram, Bolong Rd., Bomaderry | 218092 | 1961 | Road Match | 47m |
| | MOTOR BODY BUILDERS & REPAIRERS | Kelley and Ingram, Bolong Rd., Bomaderry | 218387 | 1961 | Road Match | 47m |
| | FENCE & GATE MANUFACTURERS | Kelley and Ingram., Bolong Rd., Bomaderry | 218123 | 1961 | Road Match | 47m |
| | WELDERS-ELECTRIC & OXY | Norm Dittman Bolong Road, Bomaderry | 218067 | 1961 | Road Match | 47m |
| | BUTTER MANUFACTURERS & WHOLESALERS | Nowra Co-Op Dairy Co Ltd., Bolong Rd., Bomaderry | 217939 | 1961 | Road Match | 47m |
| | BUILDERS' SUPPLIERS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 217922 | 1961 | Road Match | 47m |
| | CRANES-MOBILE-PROPRIETORS, HIRE | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218025 | 1961 | Road Match | 47m |
| | EARTH MOVING & ROAD MAKING CONTRACTORS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218059 | 1961 | Road Match | 47m |
| | GAS APPLIANCE SHOWROOMS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218191 | 1961 | Road Match | 47m |
| | GLAZIERS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218196 | 1961 | Road Match | 47m |
| | HARDWARE DEALERS & IRONMONGERS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218251 | 1961 | Road Match | 47m |
| | LIME & CEMENT MERCHANTS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218320 | 1961 | Road Match | 47m |
| | PAINT, VARNISH, OIL & COLOUR MERCHANTS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218478 | 1961 | Road Match | 47m |
| | PAINTERS SUPPLIES & REQUISITES | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218488 | 1961 | Road Match | 47m |
| | PLUMBERS' SUPPLIES | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218505 | 1961 | Road Match | 47m |
| | PLYWOOD MFRS. & MERCHANTS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218507 | 1961 | Road Match | 47m |
| | TIMBER MERCHANTS & SAWMILLERS | Reid & Herne Pty. Ltd., Bolong Rd., Bomaderry | 218583 | 1961 | Road Match | 47m |
| | BUILDERS' SUPPLIERS | Reid And Herne Pty. Ltd., Bolong Road., Bomaderry | 217900 | 1961 | Road Match | 47m |
| | PAPER MANUFACTURERS | Shoalhaven Paper Mills Pty. Ltd., Bolong Rd., Bomaderry | 218489 | 1961 | Road Match | 47m |
| | CARRIERS & CARTAGE CONTRACTORS | South Coast Transport Pty. Ltd., Bolong Rd., Bomaderry | 217995 | 1961 | Road Match | 47m |
| | SCHOOLS | Nowra Technical College., Bolong Rd., Bomaderry | 143694 | 1950 | Road Match | 47m |

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# Dry Cleaners, Motor Garages & Service Stations

**Bolong Road, Bomaderry, NSW 2541**




**Legend**

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

Scale: 0 180 360 540 720 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 24 June 2025

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

# Historical Business Directories

**Bolong Road, Bomaderry, NSW 2541**

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

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

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Property Boundary or Road Intersection | Direction |
|---|---|---|---|---|---|---|---|
| N/A | No records in buffer | | | | | | |

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

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

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|---|---|---|---|---|---|---|
| 1 | MOTOR GARAGES & SERVICE STATIONS. | Skyview Service Station., Bolong Rd Bomaderry | 102526 | 1991 | Road Match | 47m |
| | MOTOR GARAGES & / OR ENGINEERS &/OR SERVICE STATIONS | Bolong Auto Centre, B.P., Bolong Rd., Bomaderry 2541 | 137900 | 1982 | Road Match | 47m |
| | MOTOR SERVICE STATIONS-PETROL, OILS, Etc. | Nowra Dairy Co-Op (Trading) Ltd Bolong Rd., Bomaderry | 569937 | 1970 | Road Match | 47m |
| | MOTOR SERVICE STATIONS-PETROL, OILS, Etc. | Nowra Dairy Co-op. (Trading) Ltd., Bolong Rd., Bomaderry 2540 | 569947 | 1970 | Road Match | 47m |

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# Aerial Imagery 2024

**Bolong Road, Bomaderry, NSW 2541**




Scale:
0 110 220 330 440
Meters

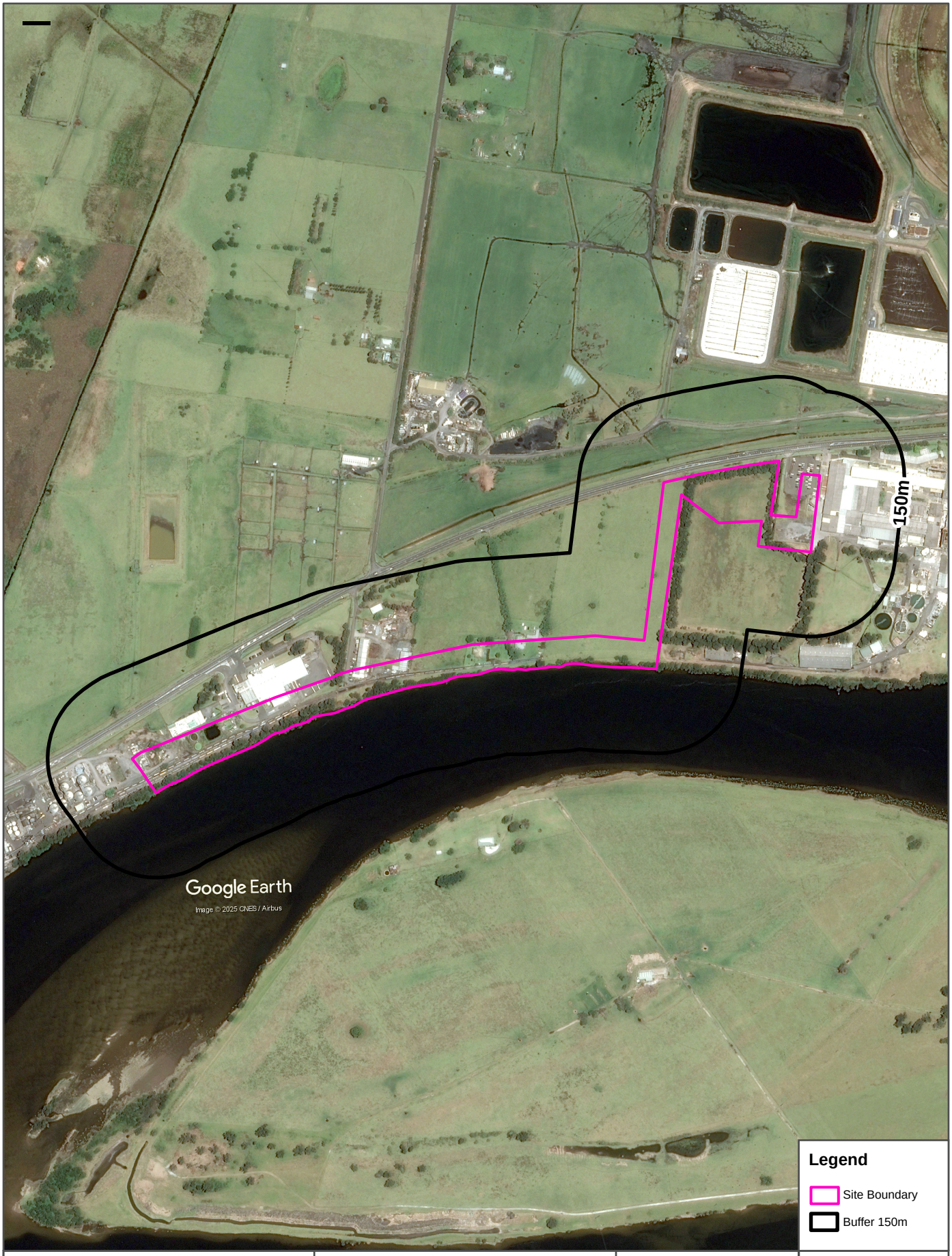
Data Source Aerial Imagery: © 2025 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:
GDA 1994 MGA Zone 56

Date: 24 June 2025

# Aerial Imagery 2013

**Bolong Road, Bomaderry, NSW 2541**



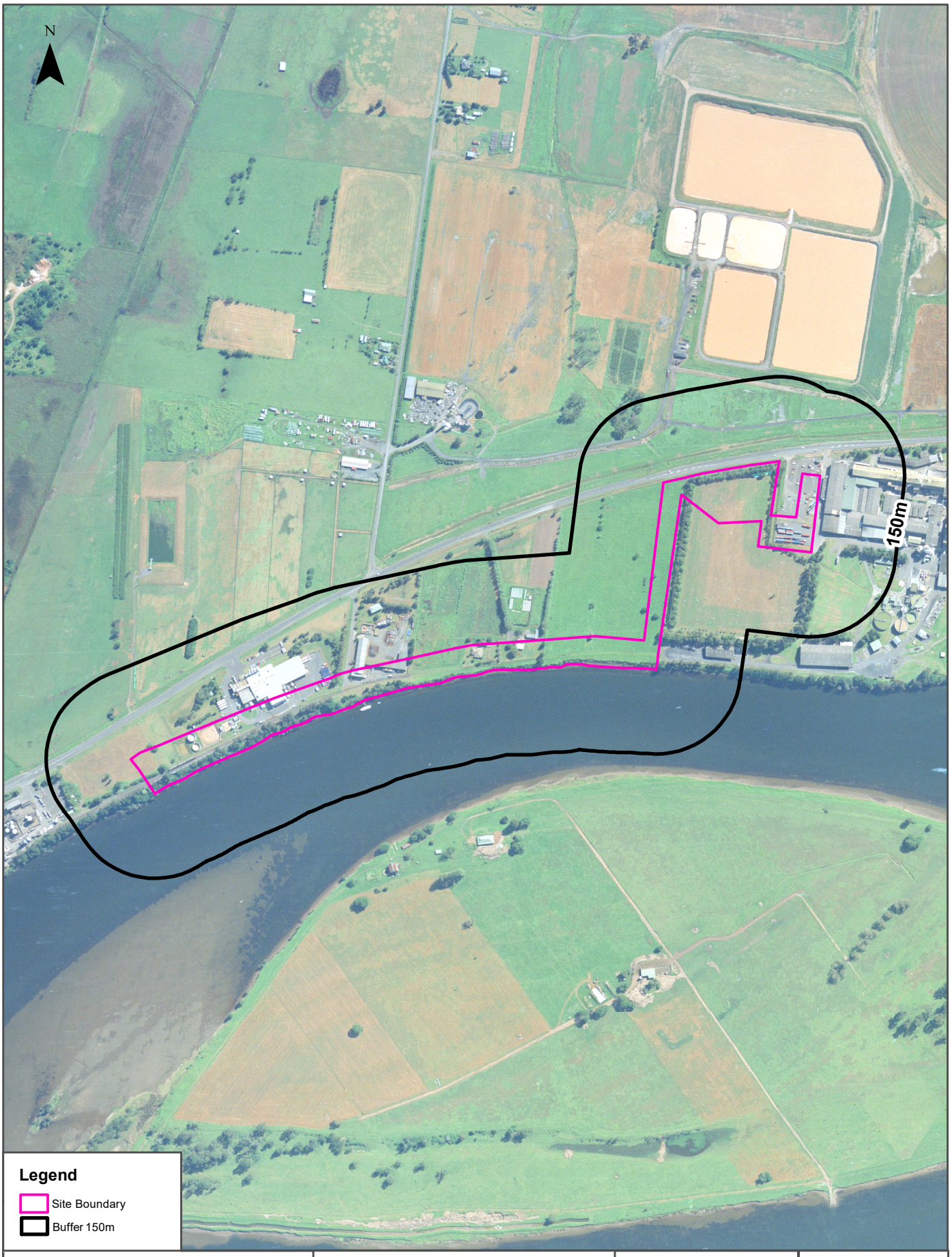

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Coordinate System:
GDA 1994 MGA Zone 56

Date: 24 June 2025

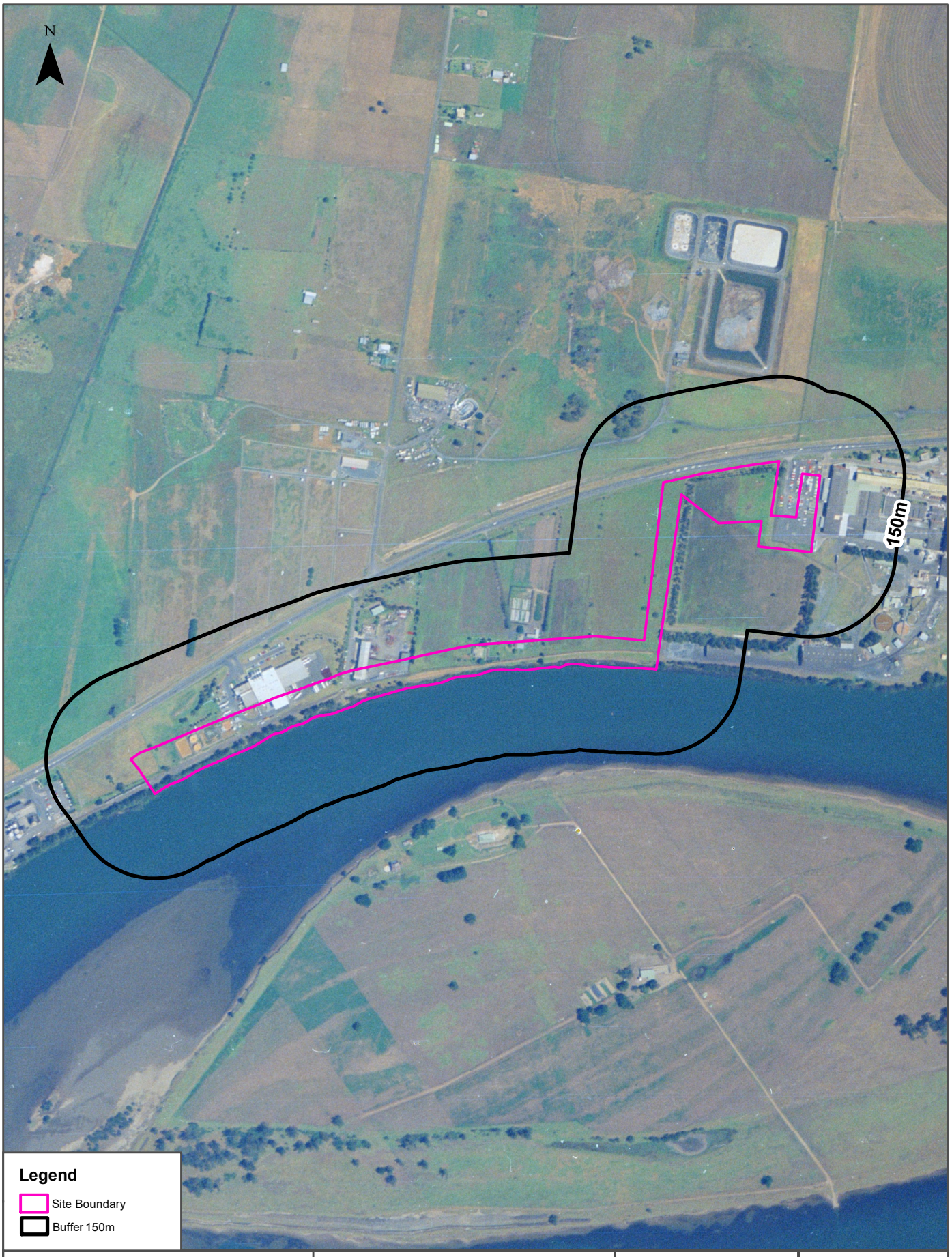
# Aerial Imagery 2002

**Bolong Road, Bomaderry, NSW 2541**



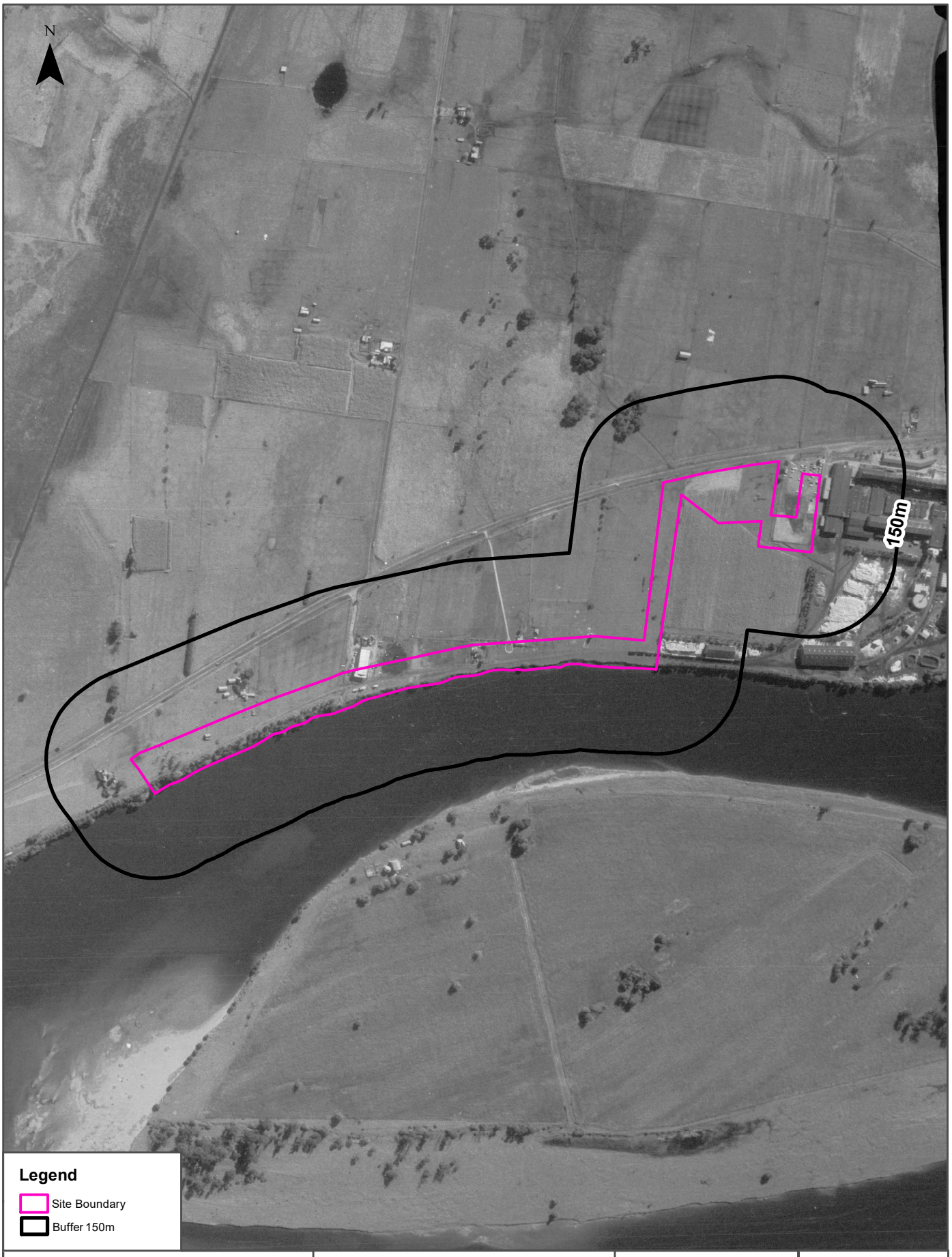
# Aerial Imagery 1997

**Bolong Road, Bomaderry, NSW 2541**



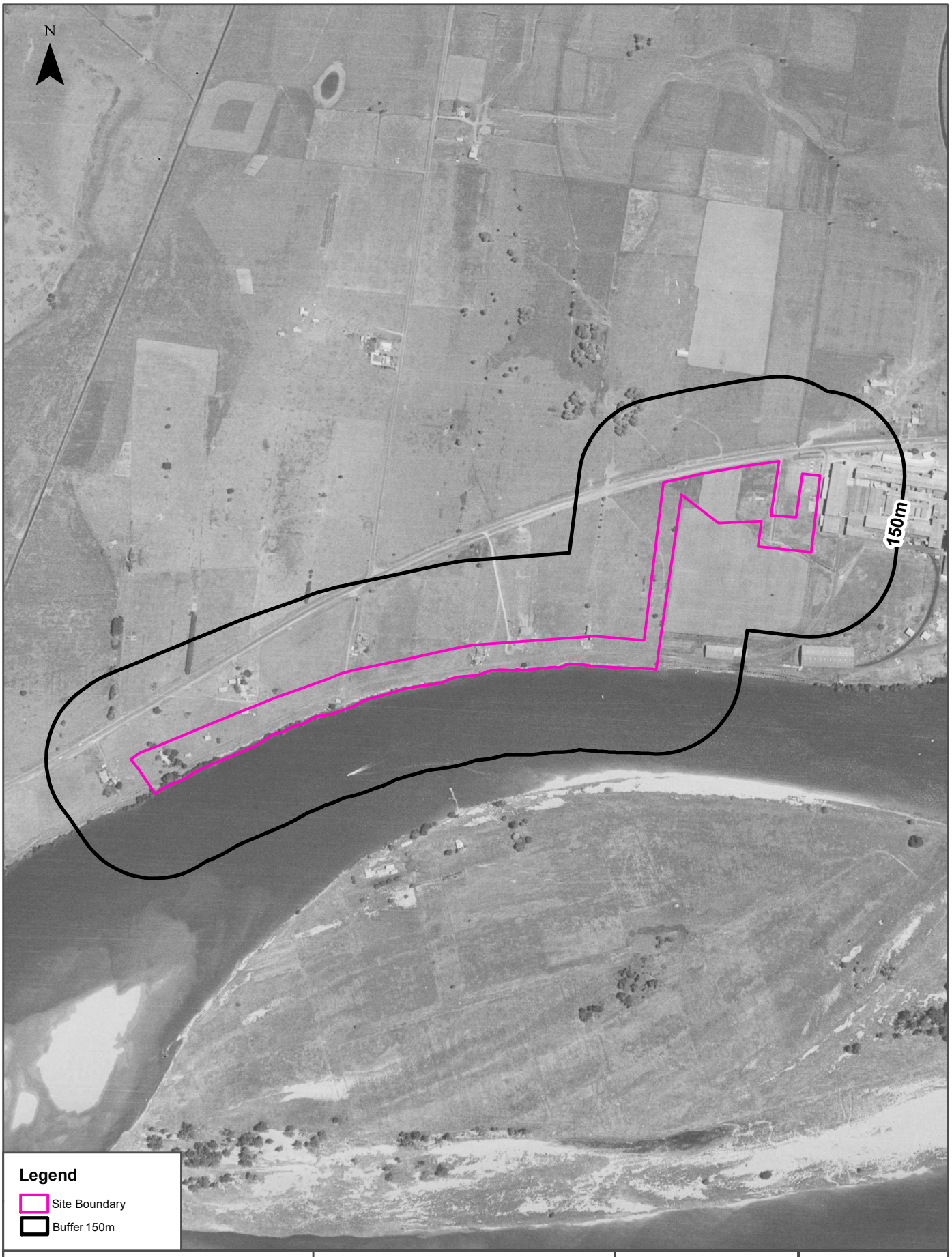
# Aerial Imagery 1984

**Bolong Road, Bomaderry, NSW 2541**



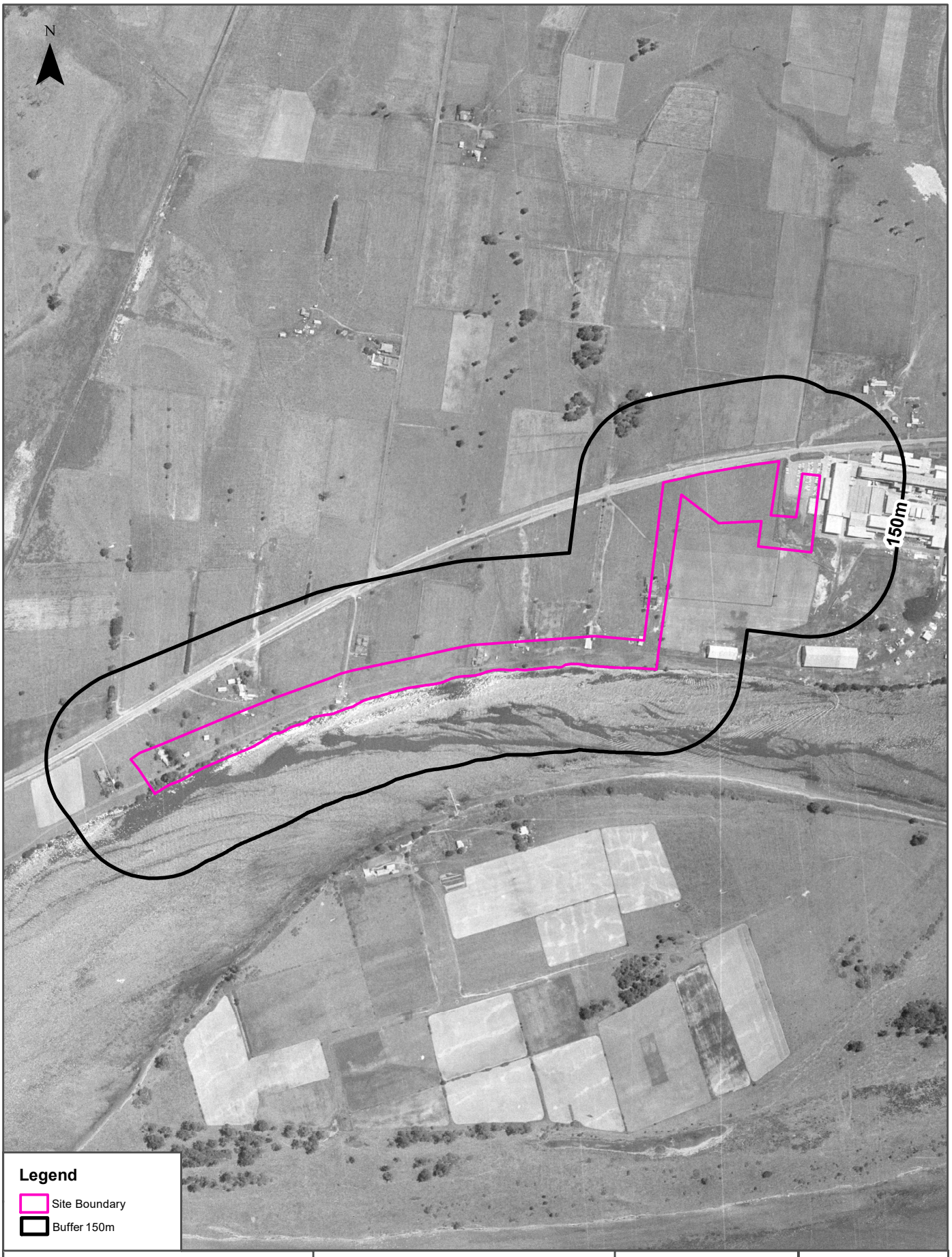
# Aerial Imagery 1974

**Bolong Road, Bomaderry, NSW 2541**



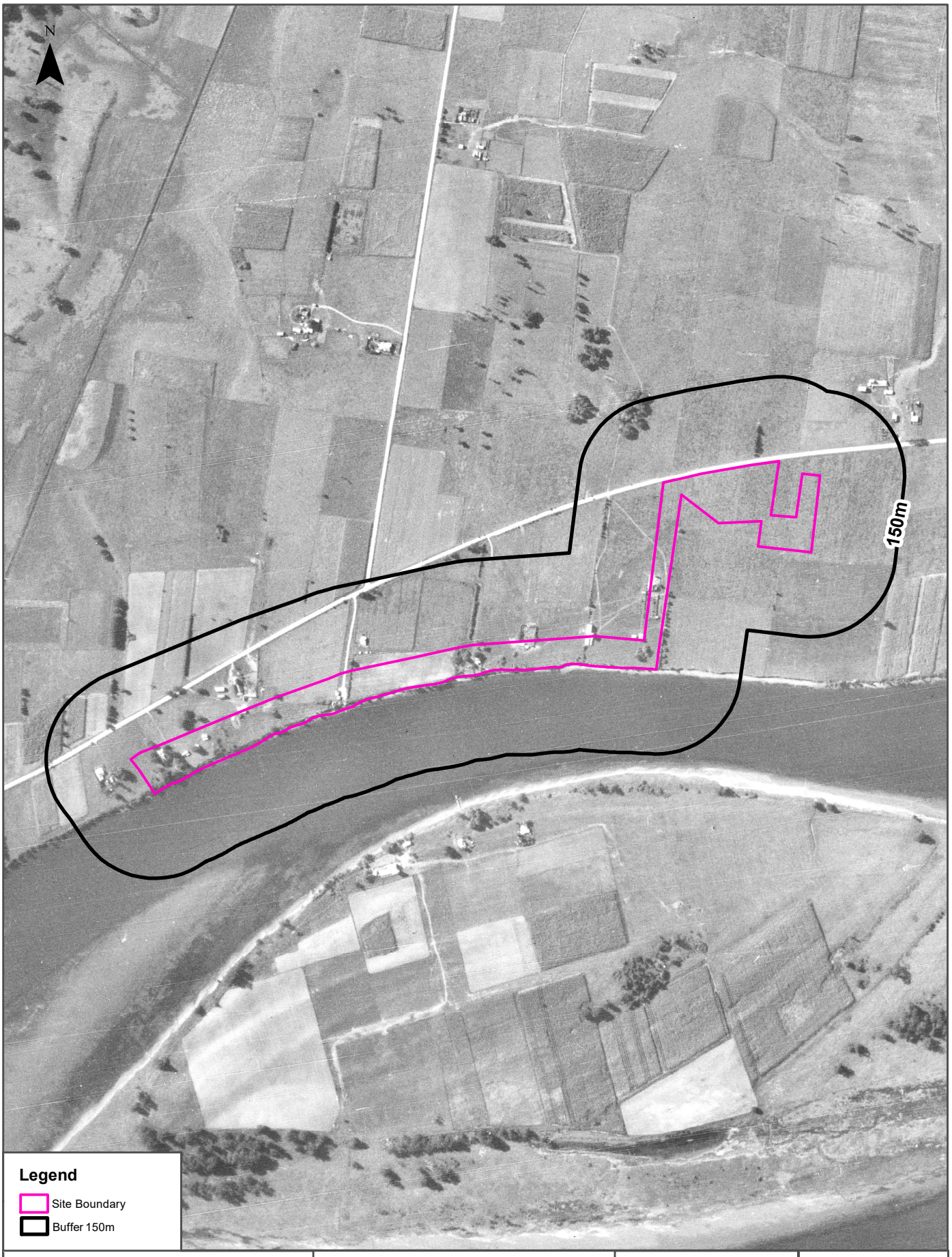
# Aerial Imagery 1969

**Bolong Road, Bomaderry, NSW 2541**



# Aerial Imagery 1949

**Bolong Road, Bomaderry, NSW 2541**



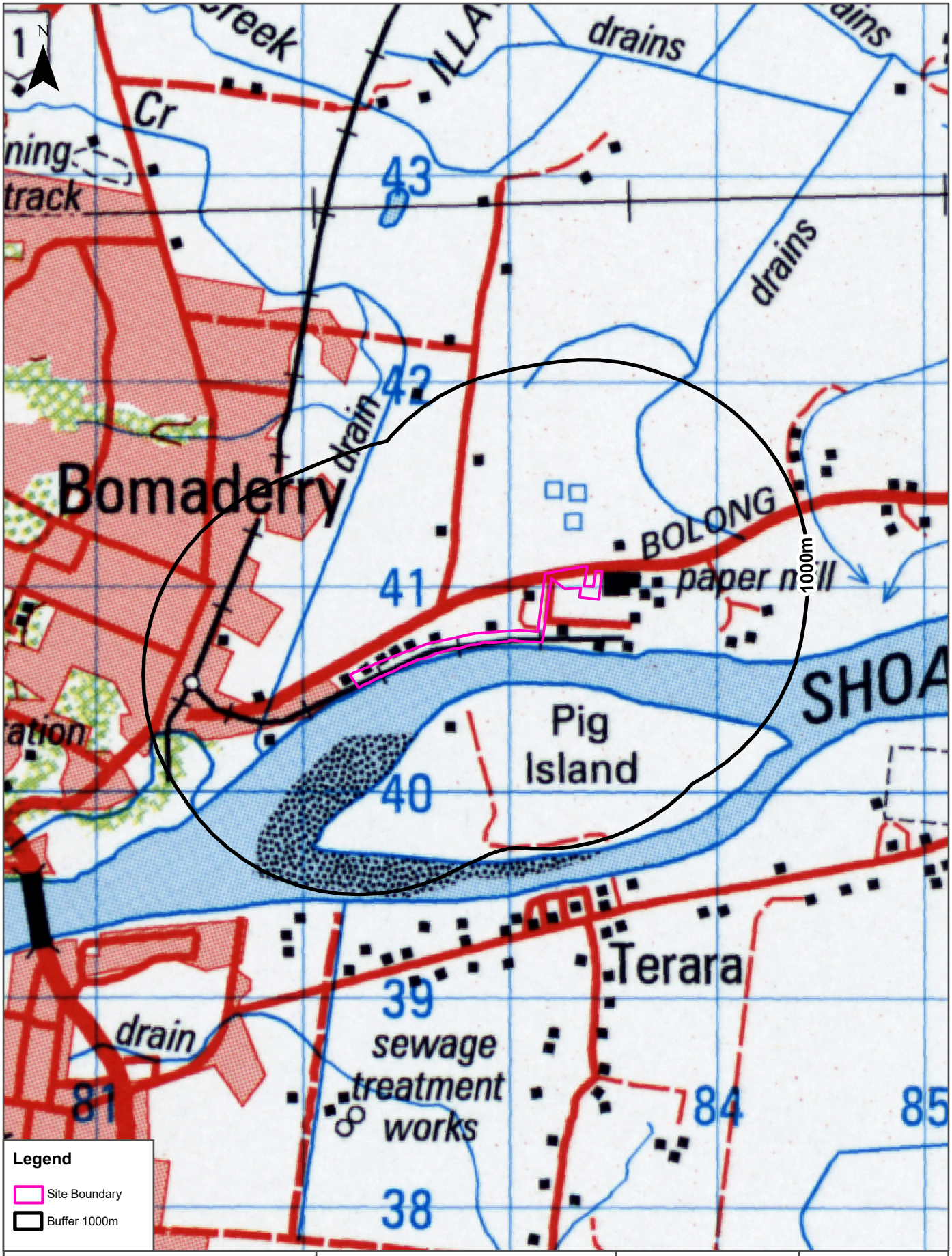

Data Source Aerial Imagery: © 2025 Geoscience Australia

Coordinate System:
GDA 1994 MGA Zone 56

Date: 24 June 2025

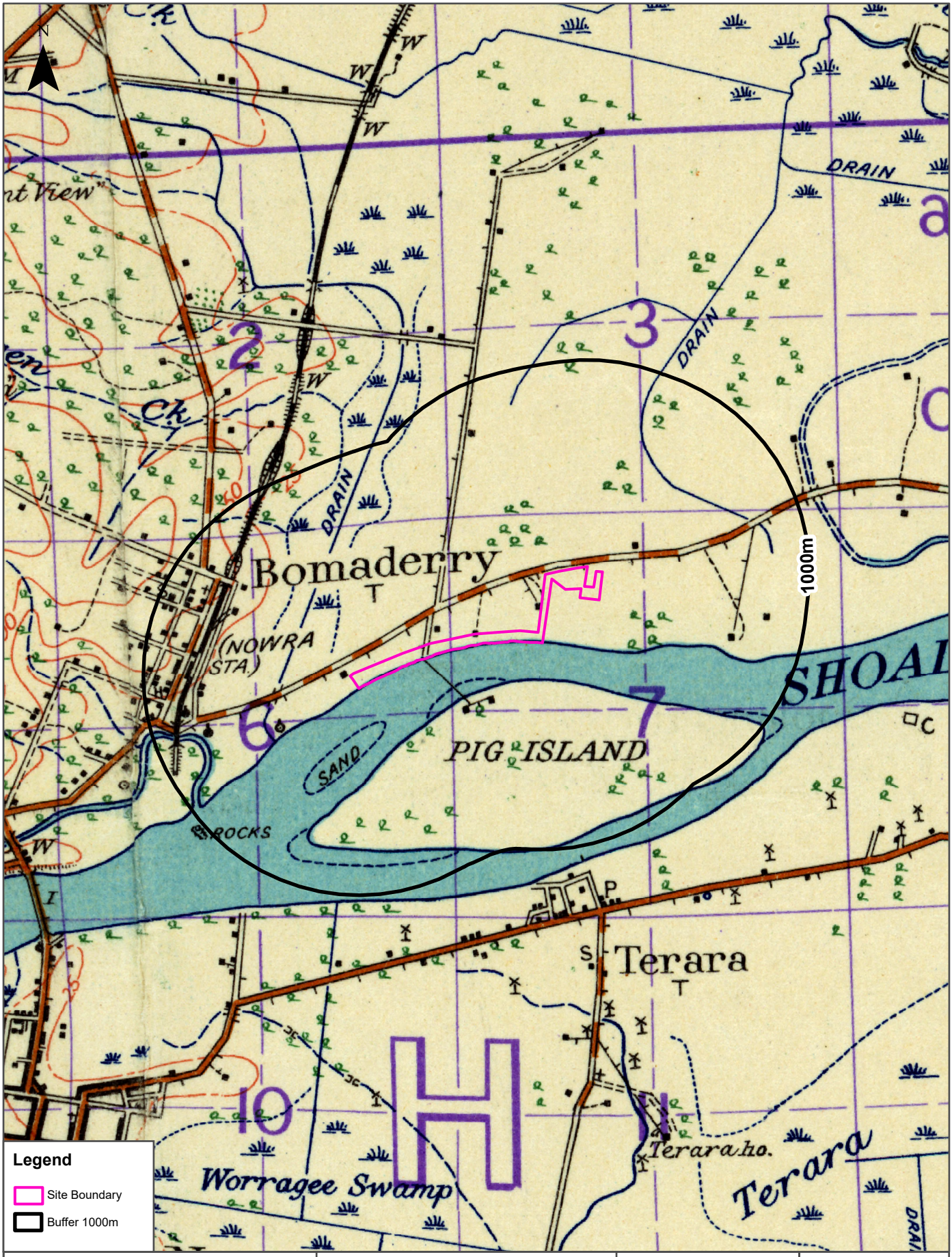
# Historical Map 1998

**Bolong Road, Bomaderry, NSW 2541**



# Historical Map c.1929

**Bolong Road, Bomaderry, NSW 2541**




Scale: 0 200 400 800 1,200 Metres

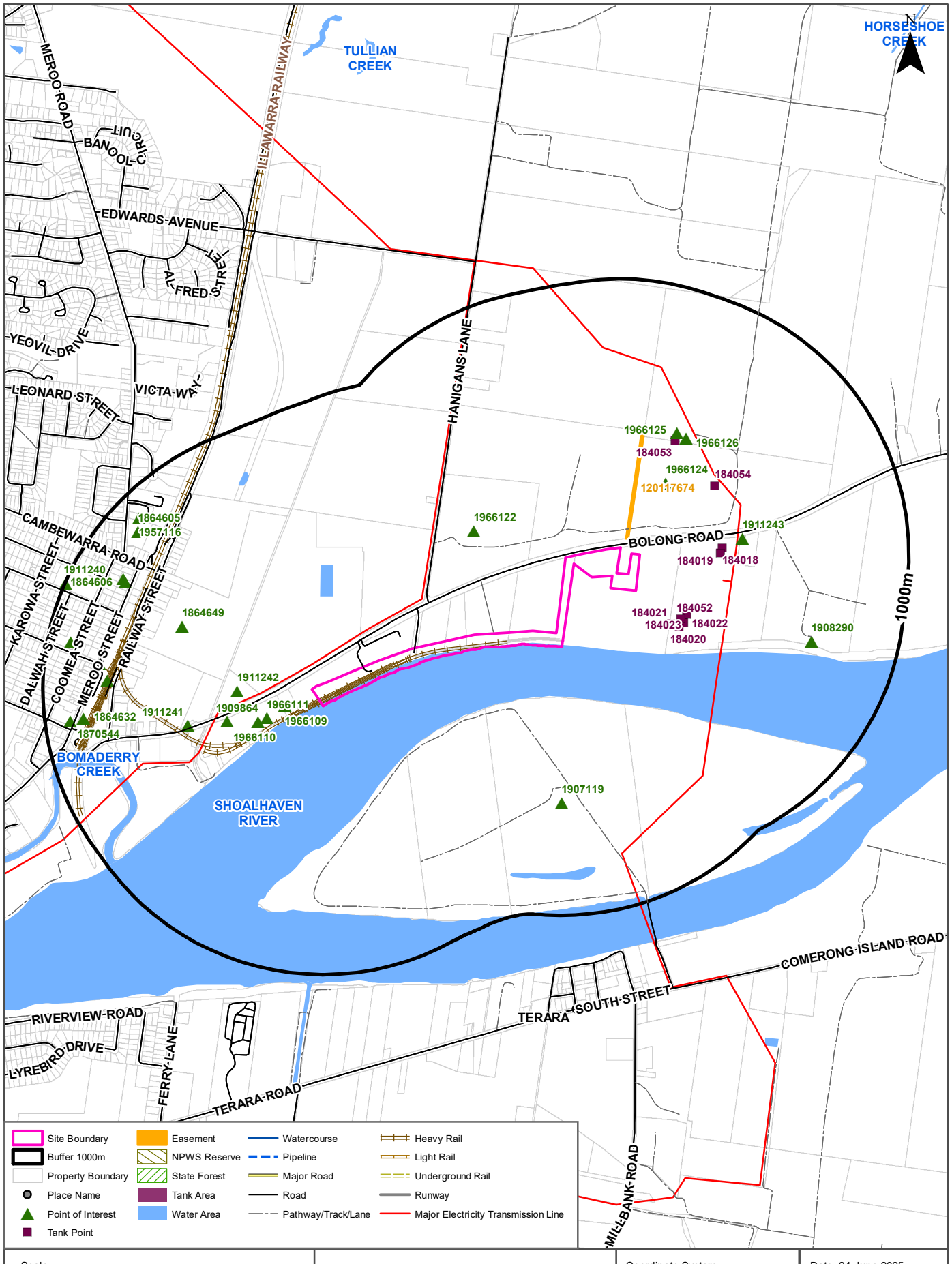
Data Sources: Australia 1:63360
Produced by Australian Section Imperial General Staff

Coordinate System:
GDA 1994 MGA Zone 56

Date: 24 June 2025

# Topographic Features

**Bolong Road, Bomaderry, NSW 2541**



# Topographic Features

**Bolong Road, Bomaderry, NSW 2541**

## Points of Interest

What Points of Interest exist within the dataset buffer?

| Map Id | Feature Type | Label | Distance | Direction |
|---|---|---|---|---|
| 1966109 | Silo - Commercial | SILOS | 118m | West |
| 1966111 | Silo - Commercial | Silo - Commercial | 198m | West |
| 1966110 | Silo - Commercial | SILOS | 233m | West |
| 1911242 | Gas Facility | Gas Facility | 277m | West |
| 1966124 | Pumping Station | Pumping Station | 282m | North East |
| 1909864 | Silo - Commercial | SILOS | 337m | West |
| 1966122 | Silo - Commercial | SILOS | 355m | North |
| 1911243 | Pumping Station | Pumping Station | 385m | East |
| 1966126 | Pumping Station | Pumping Station | 464m | North East |
| 1966125 | Pumping Station | Pumping Station | 474m | North East |
| 1911241 | Pumping Station | Pumping Station | 479m | West |
| 1864649 | Sewage Works | BOMADERRY SEWERAGE TREATMENT PLANT | 537m | West |
| 1907119 | Island | PIG ISLAND | 581m | South East |
| 1908290 | Homestead | GLENALBAS | 680m | East |
| 1864610 | Railway Station | BOMADERRY RAILWAY STATION | 761m | West |
| 1907253 | Town | BOMADERRY | 795m | West |
| 1870541 | Place Of Worship | PRESBYTERIAN CHURCH | 801m | West |
| 1864606 | Sports Court | TENNIS COURT | 815m | West |
| 1864632 | Monument | WAR MEMORIAL | 856m | West |
| 1864605 | Club | BOMADERRY BOWLING CLUB | 873m | West |
| 1957116 | Sports Field | BOWLING GREENS | 906m | West |
| 1870544 | Post Office | BOMADERRY POST OFFICE | 907m | West |
| 1870548 | Club | BOMADERRY RSL CLUB | 914m | West |
| 1911240 | Community Facility | BOMADERRY COMMUNITY CENTRE | 998m | West |

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

**Bolong Road, Bomaderry, NSW 2541**

## Tanks (Areas)

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

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

## Tanks (Points)

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

| Map Id | Tank Type | Status | Name | Feature Currency | Distance | Direction |
|---|---|---|---|---|---|---|
| 184021 | Undefined | Operational | | 01/12/2013 | 179m | East |
| 184052 | Undefined | Operational | | 01/12/2013 | 197m | East |
| 184020 | Undefined | Operational | | 01/12/2013 | 210m | East |
| 184023 | Undefined | Operational | | 01/12/2013 | 211m | East |
| 184022 | Undefined | Operational | | 01/12/2013 | 215m | East |
| 184019 | Undefined | Operational | | 01/12/2013 | 300m | East |
| 184018 | Undefined | Operational | | 01/12/2013 | 307m | East |
| 184054 | Water | Operational | | 01/12/2013 | 378m | North East |
| 184053 | Water | Operational | | 01/12/2013 | 444m | North East |

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

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

| Map Id | Easement Class | Easement Type | Easement Width | Distance | Direction |
|---|---|---|---|---|---|
| 120117674 | Primary | Undefined | | 38m | North East |

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

**Bolong Road, Bomaderry, NSW 2541**

## State Forest

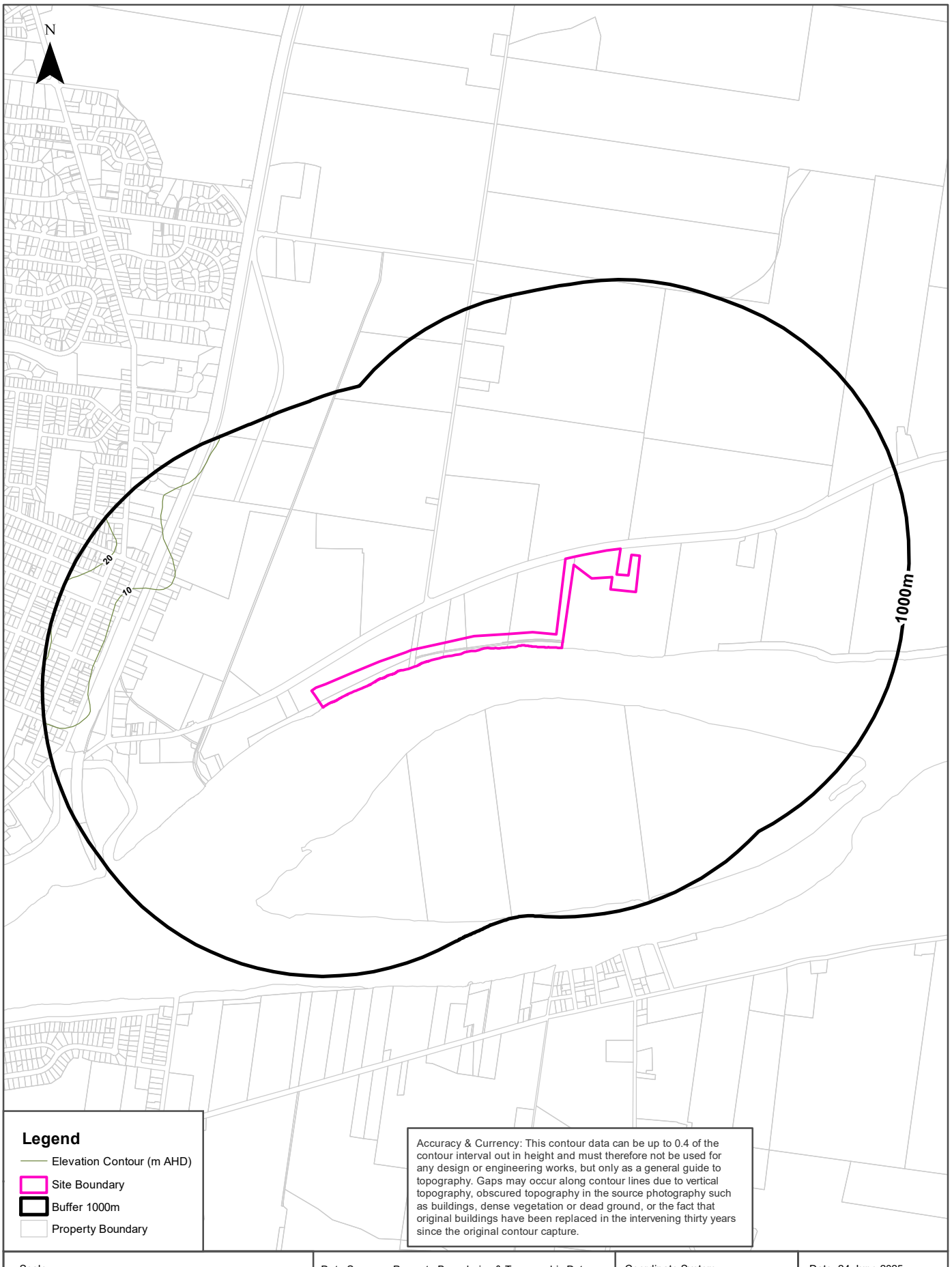
What State Forest exist within the dataset buffer?

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

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

**Bolong Road, Bomaderry, NSW 2541**



# Hydrogeology & Groundwater

**Bolong Road, Bomaderry, NSW 2541**

## Hydrogeology

Description of aquifers within the dataset buffer:

| Description | Distance | Direction |
|---|---|---|
| Fractured or fissured, extensive aquifers of low to moderate productivity | 0m | On-site |

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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## Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024

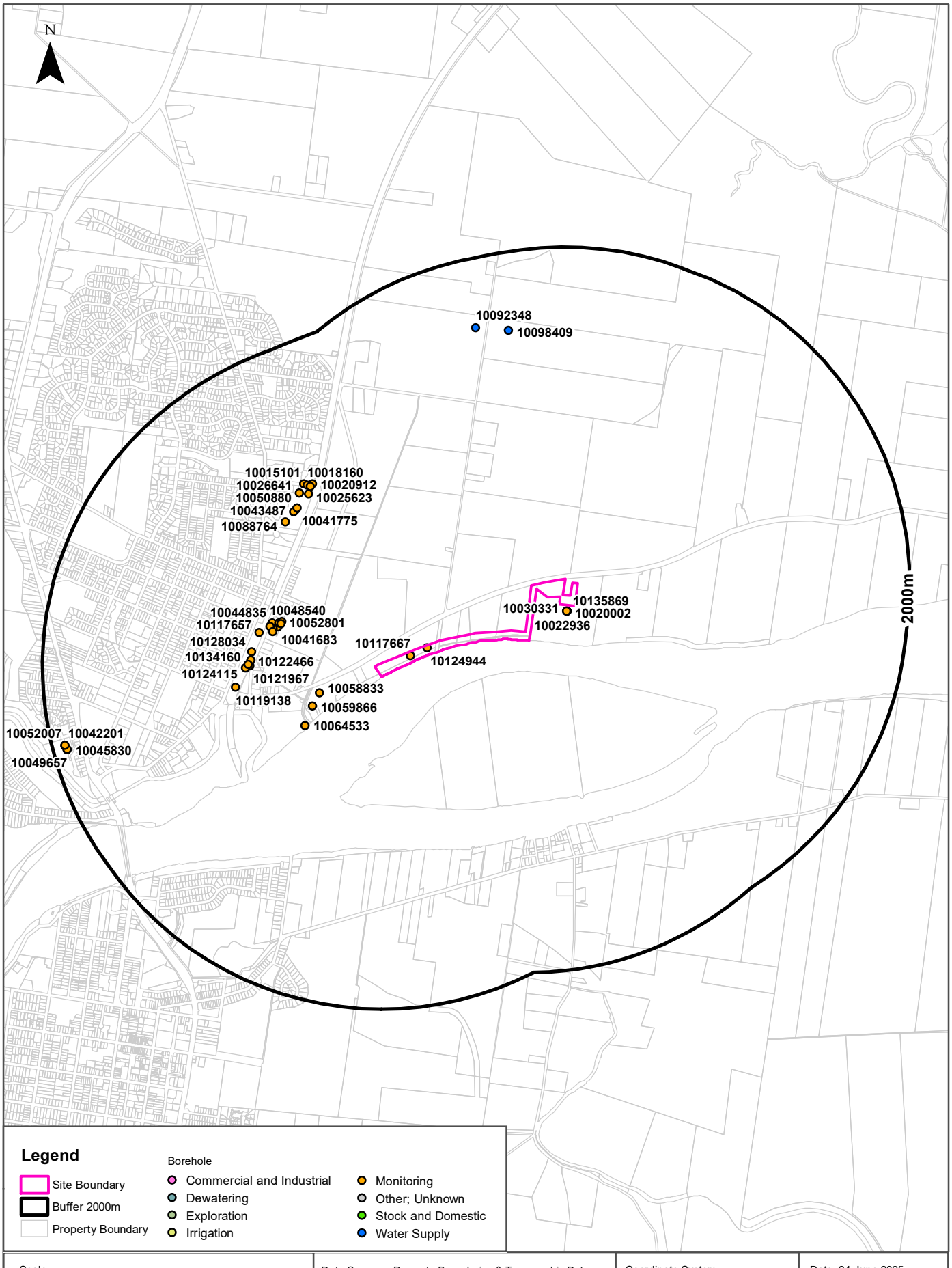
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

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

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024 Data Source : NSW Department of Primary Industries

# Groundwater Boreholes

**Bolong Road, Bomaderry, NSW 2541**



# Hydrogeology & Groundwater

**Bolong Road, Bomaderry, NSW 2541**

## Groundwater Boreholes

Boreholes within the dataset buffer:

| NGIS Bore ID | NSW Bore ID | Bore Type | Status | Drill Date | Bore Depth (m) | Reference Elevation | Height Datum | Salinity (mg/L) | Yield (L/s) | SWL (mbgl) | Distance | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10117667 | GW114595 | Monitoring | Functional | 22/07/2014 | 5.60 | | AHD | | | 3.85 | 0m | On-site |
| 10124944 | GW114596 | Monitoring | Functional | 18/07/2014 | 7.50 | | AHD | | | 3.10 | 0m | On-site |
| 10020002 | GW073014 | Monitoring | Unknown | 15/08/2000 | 5.60 | | AHD | | | | 38m | East |
| 10022936 | GW073013 | Monitoring | Unknown | 15/08/2000 | 6.00 | | AHD | | | | 38m | East |
| 10030331 | GW073015 | Monitoring | Unknown | 15/08/2000 | 5.60 | | AHD | | | | 38m | East |
| 10135869 | GW073012 | Monitoring | Unknown | 15/08/2000 | 7.40 | | AHD | | | | 38m | East |
| 10058833 | GW110109 | Monitoring | Unknown | 08/05/2009 | 4.00 | | AHD | | | 1.27 | 366m | West |
| 10059866 | GW110108 | Monitoring | Unknown | 08/05/2009 | 4.50 | | AHD | | | 0.64 | 442m | South West |
| 10064533 | GW110107 | Monitoring | Unknown | 07/05/2009 | 6.00 | | AHD | | | 4.02 | 547m | South West |
| 10049315 | GW113126 | Monitoring | Functional | 17/01/2008 | 4.00 | | AHD | | | | 619m | West |
| 10052801 | GW113125 | Monitoring | Functional | 18/01/2008 | 4.20 | | AHD | | | | 619m | West |
| 10041683 | GW113123 | Monitoring | Functional | 16/01/2008 | 4.90 | | AHD | | | | 629m | West |
| 10048540 | GW113124 | Monitoring | Functional | 16/01/2008 | 4.00 | | AHD | | | | 633m | West |
| 10053166 | GW113122 | Monitoring | Functional | 15/01/2008 | 5.20 | | AHD | | | | 649m | West |
| 10047972 | GW113121 | Monitoring | Functional | 15/01/2008 | 5.20 | | AHD | | | | 651m | West |
| 10044835 | GW113120 | Monitoring | Functional | 15/01/2008 | 6.20 | | AHD | | | | 671m | West |
| 10052251 | GW113119 | Monitoring | Functional | 16/01/2008 | 5.20 | | AHD | | | | 675m | West |
| 10117657 | GW114455 | Monitoring | Functional | 21/11/2011 | 6.00 | | AHD | | | 4.50 | 725m | West |
| 10128034 | GW114454 | Monitoring | Functional | 21/11/2011 | 7.00 | | AHD | | | 3.70 | 746m | West |
| 10124664 | GW113054 | Monitoring | Functional | 19/04/2000 | 5.00 | | AHD | | | | 747m | West |
| 10121967 | GW113055 | Monitoring | Functional | 19/04/2000 | 5.10 | | AHD | | | | 751m | West |
| 10122466 | GW113056 | Monitoring | Functional | 21/10/2013 | 6.00 | | AHD | | | | 751m | West |
| 10134160 | GW113053 | Monitoring | Functional | 19/04/2000 | 4.50 | | AHD | | | | 761m | West |
| 10124115 | GW113052 | Monitoring | Functional | 19/04/2000 | 5.10 | | AHD | | | | 777m | West |
| 10119138 | GW114453 | Monitoring | Functional | 21/11/2011 | 6.00 | | AHD | | | 2.50 | 844m | West |
| 10088764 | GW114543 | Monitoring | Functional | 31/05/2013 | 2.60 | | AHD | | | | 1022m | North West |
| 10043487 | GW111860 | Monitoring | Functional | 20/05/2010 | 5.00 | | AHD | | | | 1049m | North West |
| 10041775 | GW111861 | Monitoring | Functional | 20/05/2010 | 5.00 | | AHD | | | | 1056m | North West |
| 10050880 | GW111862 | Monitoring | Functional | 21/05/2010 | 5.00 | | AHD | | | | 1060m | North West |
| 10042691 | GW113236 | Monitoring | Functional | 05/08/2011 | 3.50 | | AHD | 356 | | 1.10 | 1109m | North West |
| 10026641 | GW113237 | Monitoring | Functional | 05/08/2011 | 3.50 | | AHD | | | | 1136m | North West |

| NGIS Bore ID | NSW Bore ID | Bore Type | Status | Drill Date | Bore Depth (m) | Reference Elevation | Height Datum | Salinity (mg/L) | Yield (L/s) | SWL (mbgl) | Distance | Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10025623 | GW113235 | Monitoring | Functional | 05/08/2011 | 6.00 | | AHD | 94.7 | | 3.63 | 1147m | North West |
| 10020912 | GW113234 | Monitoring | Functional | 05/08/2011 | 5.30 | | AHD | 86.2 | | 1.75 | 1157m | North West |
| 10018160 | GW113233 | Monitoring | Functional | 05/08/2011 | 5.00 | | AHD | 5.07 | | 3.16 | 1161m | North West |
| 10015101 | GW113232 | Monitoring | Functional | 05/08/2011 | 5.20 | | AHD | 670 | | 2.51 | 1176m | North West |
| 10098409 | GW073103 | Water Supply | Functioning | 14/01/1993 | | | AHD | | 1.000 | 4.00 | 1533m | North |
| 10092348 | GW100317 | Water Supply | Functioning | 04/02/1993 | 48.00 | | AHD | Good | 6.000 | 12.00 | 1586m | North |
| 10049657 | GW110605 | Monitoring | Unknown | 26/09/2007 | 15.20 | | AHD | | | | 1916m | West |
| 10045830 | GW109969 | Monitoring | Unknown | 26/09/2007 | 15.20 | | AHD | | | | 1917m | West |
| 10042201 | GW109970 | Monitoring | Unknown | 27/09/2007 | 1.80 | | AHD | | | 1.33 | 1924m | West |
| 10052007 | GW110606 | Monitoring | Unknown | 27/09/2007 | 1.80 | | AHD | | | | 1924m | West |

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

# Hydrogeology & Groundwater

**Bolong Road, Bomaderry, NSW 2541**

## Driller's Logs

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

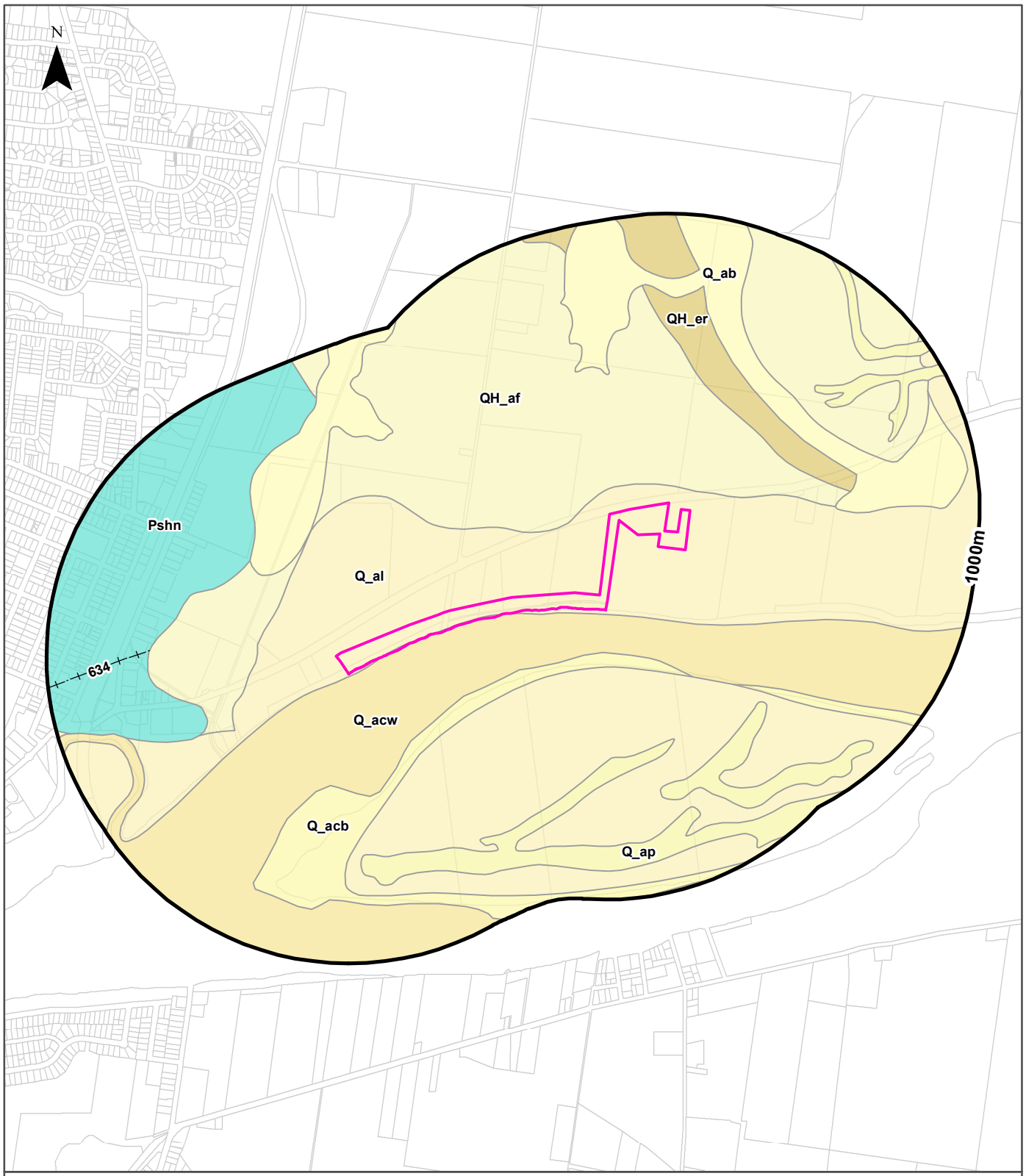
| NGIS Bore ID | Drillers Log | Distance | Direction |
|---|---|---|---|
| 10117667 | 0.00m-0.30m SILTY CLAY<br>0.30m-1.80m SILTY CLAY DARK BROWN<br>1.80m-3.00m SILTY CLAY HIGH PLASTICITY PALE BROWN TO PALE GREY<br>3.00m-4.50m SILTY SAND FINE TO MEDIUM GRAINED<br>4.50m-5.60m CLAYEY SILTY SAND FINE TO MEDIUM GRAINED,PALE GREY TO PALE BROWN | 0m | On-site |
| 10124944 | 0.00m-0.20m GRAVELLY SAND<br>0.20m-3.20m CLAYEY SILT<br>3.20m-5.00m SANDY CLAY<br>5.00m-7.00m SILTY CLAY<br>7.00m-7.50m SANDY CLAY | 0m | On-site |
| 10020002 | 0.00m-1.40m BLACK SANDY LOAM<br>1.40m-2.00m BROWN SANDY LOAM<br>2.00m-3.00m CLAYEY SAND<br>3.00m-4.50m SANDY CLAY<br>4.50m-5.60m GREY CLAYEY SILT | 38m | East |
| 10022936 | 0.00m-0.10m BLACK SANDY LOAM<br>0.10m-2.00m YELLOW SANDY CLAY SOME NODULES<br>2.00m-5.50m GREY CLAYEY SAND<br>5.50m-6.00m GREY SAND HIGH IN ORGANIC MATTER | 38m | East |
| 10030331 | 0.00m-0.40m BROWN LOAM HIGH IN ORGANIC MATTER<br>0.40m-1.30m SILTY CLAY LOAM<br>1.30m-3.50m YELLOWISH GREY SANDY LOAM<br>3.50m-4.50m YELLOWISH COARSE SAND<br>4.50m-5.60m GREY CLAYEY SAND | 38m | East |
| 10135869 | 0.00m-0.40m FILL<br>0.40m-3.00m DARK BROWN SANDY CLAY<br>3.00m-4.00m BROWN CLAYEY SAND<br>4.00m-5.00m BROWN TO YELLOW CLAYEY SAND<br>5.00m-6.30m YELLOW CLAYEY SAND<br>6.30m-7.40m MIXTURE OF CLAY AND SAND LENSES | 38m | East |
| 10058833 | 0.00m-0.14m ASPHALT<br>0.14m-0.40m FILL,SANDY CLAY<br>0.40m-4.00m SILTY SAND AND SILTY CLAY | 366m | West |
| 10059866 | 0.00m-0.09m ASPHALT<br>0.09m-1.05m FILL.SANDY GRAVEL<br>1.05m-4.50m SAND | 442m | South West |
| 10064533 | 0.00m-0.07m ASPHALT<br>0.07m-0.50m FILL,GRAVEL,SAND<br>0.50m-6.00m SAND / CLAY | 547m | South West |
| 10117657 | 0.00m-0.50m FILL.GRAVEL,GRAVELLY SANDY CLAY<br>0.50m-2.30m SANDY CLAY<br>2.30m-6.00m SANDSTONE,MOTTLED BROWN,GREY,ORANGE,HARD | 725m | West |
| 10128034 | 0.00m-2.75m FILL.GRAVELLY SAND, CLAYEY SAND<br>2.75m-5.20m SILTY CLAY BROWN<br>5.20m-7.00m SANDSTONE,ORANGE BROWN,HARD | 746m | West |
| 10119138 | 0.00m-0.40m FILL, CLAYEY GRAVEL,DARK GREY<br>0.40m-1.50m SANDY CLAY<br>1.50m-6.00m SILTSTONE | 844m | West |
| 10088764 | 0.00m-0.20m BITUMEN,ROAD BASE GREY<br>0.20m-0.60m FILL,SILTY GRAVELLY CL;AY RED / GREY<br>0.60m-1.00m SANDY LOAM,ORANGE BROWN FINE TO MEDIUM GRAINED SAND<br>1.00m-2.60m SANDSTONE WEATHERED,LIGHT GREY,HARD,MOIST | 1022m | North West |
| 10043487 | 0.00m-1.00m SANDY CLAY,LOW PLASTICITY,BROWN,STIFF<br>1.00m-5.00m SANDSTONE,YELLOW/BROWN,HARD | 1049m | North West |
| 10041775 | 0.00m-1.00m SANDY CLAY/L/PLASTICITY,BROWN,STIFF,MOIST<br>1.00m-5.00m SANDSTONE,YELLOW/BROWN,HARD | 1056m | North West |
| 10050880 | 0.00m-1.00m SANDY CLAY,LOW PLASTICITY,BROWN,STIFF,MOIST<br>1.00m-5.00m SANDSTONE,YELLOW,BROWN,HARD | 1060m | North West |
| 10098409 | 0.00m-24.00m SOIL CLAY, SAND<br>24.00m-72.00m SANDSTONE & CLAY & SANDSTONE | 1533m | North |
| 10092348 | 0.00m-3.00m SOILS & CLAYS<br>3.00m-32.00m CLAYS & SANDS<br>32.00m-48.00m SANDSTONE | 1586m | North |

| NGIS Bore ID | Drillers Log | Distance | Direction |
|---|---|---|---|
| 10049657 | 0.00m-0.30m SILTY SANDY CLAY,TOPSOIL,DARK BROWN<br>0.30m-1.00m SANDSTONE HARD,GREY M/GRAINED<br>1.00m-15.20m SANDSTONE BECOMING L/BROWN | 1916m | West |
| 10045830 | 0.00m-0.40m SANDY CLAY<br>0.40m-15.00m SANDSTONE | 1917m | West |
| 10042201 | 0.00m-0.20m SAND LOAMY<br>0.20m-0.30m SAND<br>0.30m-1.80m SANDSTONE | 1924m | West |
| 10052007 | 0.00m-0.20m CLAYEY LOAMY SAND,TOPSOIL,D/BROWN<br>0.20m-0.30m SAND RED,ORANGE,COARSE GRAINED<br>0.30m-1.80m SANDSTONE GREY,ORANGE QUARTZITE TO3MM | 1924m | West |

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

# Geology

**Bolong Road, Bomaderry, NSW 2541**




**Legend**

**Linear Geological Structures and Boundaries**

- Site Boundary
- Report Buffer
- Property Boundary
- Trendline
- Fold Axis
- Geological Boundary
- Marker Bed
- Faulted Boundary
- Shear Zone or Schist Zone Boundary
- Miscellaneous Boundary
- Water/Coastline Boundary
- State/Territory Border

Scale: 0 100 200 400 600 800 1,000 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 24 June 2025

# Geology

**Bolong Road, Bomaderry, NSW 2541**

## Geological Units

Geological units within the dataset buffer:

| Code | Unit Name | Description | Stratigraphy | Age Range | Dominant Lithology | Dist | Dir |
|---|---|---|---|---|---|---|---|
| Q_acw | Alluvial channel deposits - subaqueous | Fluvially deposited sand, gravel, silt, clay. | /Alluvium//Alluvial channel deposits/Alluvial channel deposits - subaqueous/ | Quaternary (base) to Now (top) | Clastic sediment | 0m | On-site |
| Q_al | Alluvial levee/overbank deposits | Fluvially deposited fine- to medium-grained lithic to quartz-rich sand, silt, clay. | /Alluvium//Alluvial levee/overbank deposits// | Quaternary (base) to Now (top) | Clastic sediment | 0m | On-site |
| QH_af | Alluvial floodplain deposits | Silt, very fine- to medium-grained lithic to quartz-rich sand, clay. | /Alluvium//Alluvial floodplain deposits// | Holocene (base) to Now (top) | Clastic sediment | 59m | North |
| Q_acb | Alluvial channel deposits - in-channel bar | Polymictic to lithic to quartz-rich sand and gravel; silt and clay; polymictic pebble- to cobble- in-channel imbricated lag and bar deposits with interstitial sand, silt and clay. | /Alluvium//Alluvial channel deposits/Alluvial channel deposits - in-channel bar/ | Quaternary (base) to Now (top) | Clastic sediment | 146m | South West |
| Q_ab | Alluvial backswamp deposits | Organic-rich mud, peat, silt, clay. | /Alluvium//Alluvial backswamp deposits// | Quaternary (base) to Now (top) | Organic rich sediment | 351m | North |
| QH_er | Estuarine shoreline ridge and dune | Fine- to medium-grained lithic-quartz sand (fluvially deposited), very fine- to fine-grained lithic-carbonate-quartz sand (marine deposited), polymictic gravel, silt, clay, shell material. | /Estuarine deposits//Estuarine shoreline ridge and dune// | Holocene (base) to Now (top) | Sand | 354m | North East |
| Pshn | Nowra Sandstone | Fine- to very coarse-grained quartzose sandstone, with a three-fold subdivision: a very coarse-grained base with minor pebbly lenses, a central siltstone zone and a cross-bedded medium-grained quartz sandstone up-sequence. | /Shoalhaven Group//Nowra Sandstone// | Roadian (base) to Wordian (top) | Sandstone | 441m | West |
| Q_ap | Alluvial palaeochannel deposits | Poorly sorted gravels, clayey sand and variably magnetic pisoliths. | /Alluvium//Alluvial palaeochannel deposits// | Quaternary (base) to Now (top) | Gravel | 499m | South |

# Geology

**Bolong Road, Bomaderry, NSW 2541**

## Linear Geological Structures

Fault and shear or schist zone boundaries within the dataset buffer:

| Map ID | Boundary Type | Feature Description | Fault Dip Angle | Fault Dip Direction | Dist | Dir |
|---|---|---|---|---|---|---|
| NA | No records in buffer | | | | | |

Trendlines within the dataset buffer:

| Map ID | Feature Description | Observation Method | Structure Name | Dist | Dir |
|---|---|---|---|---|---|
| NA | No records in buffer | | | | |

Fold axes within the dataset buffer:

| Map ID | Feature Description | Observation Method | Structure Name | Dist | Dir |
|---|---|---|---|---|---|
| 634 | Anticline, position approximate | Undefined | Bomaderry Anticline | 645m | West |

Marker beds within the dataset buffer:

| Map ID | Feature Description | Rock Unit Description | Dist | Dir |
|---|---|---|---|---|
| NA | No records in buffer | | | |

Geological Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development
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# Naturally Occurring Asbestos Potential

**Bolong Road, Bomaderry, NSW 2541**

## Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

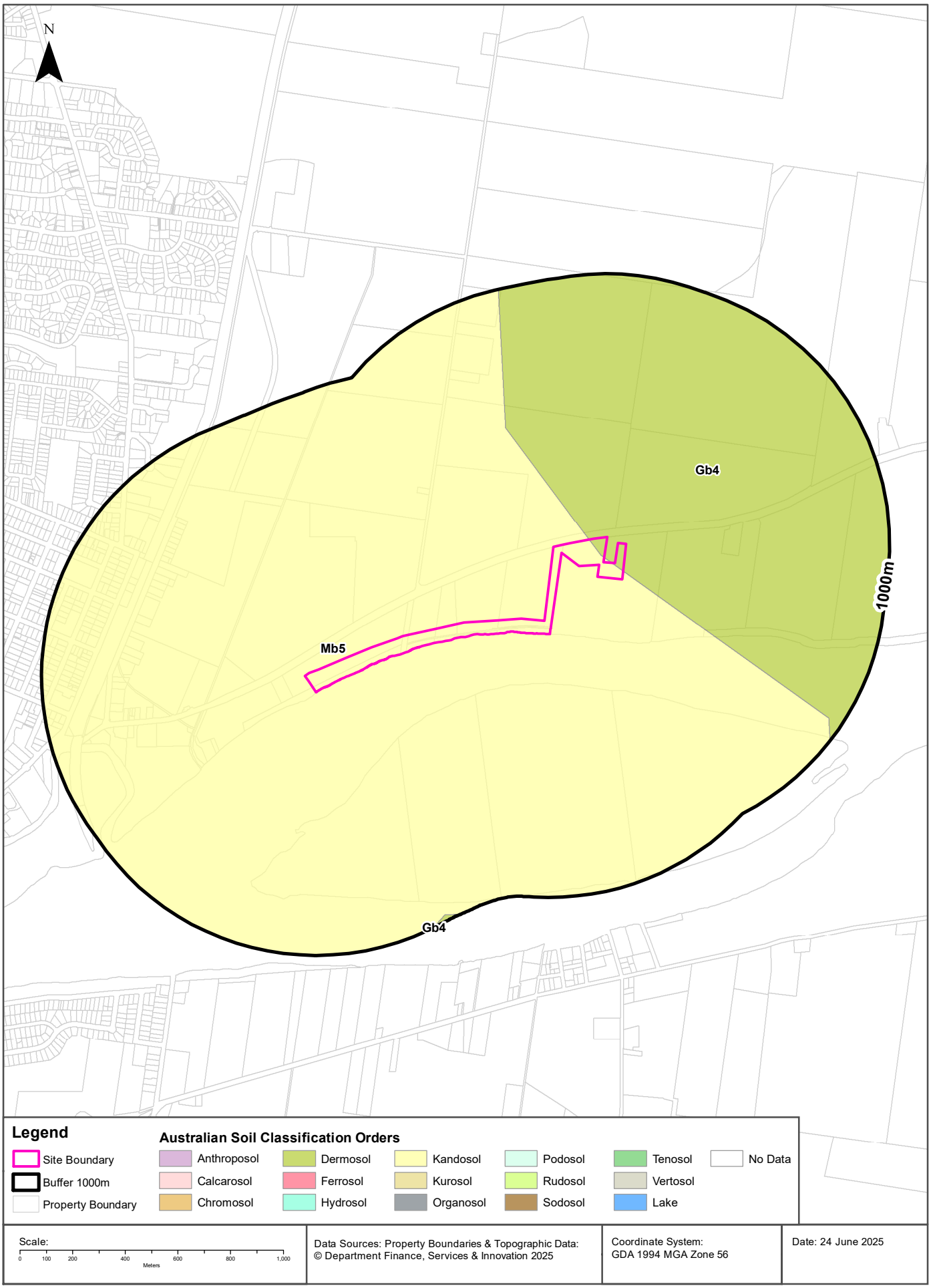
| Potential | Sym | Strat Name | Group | Formation | Scale | Min Age | Max Age | Rock Type | Dom Lith | Description | Dist | Dir |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No records in buffer | | | | | | | | | | | | |

Naturally Occurring Asbestos Potential Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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# Atlas of Australian Soils

**Bolong Road, Bomaderry, NSW 2541**



# Soils

**Bolong Road, Bomaderry, NSW 2541**

## Atlas of Australian Soils

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

| Map Unit Code | Soil Order | Map Unit Description | Distance | Direction |
|---|---|---|---|---|
| Mb5 | Kandosol | Dissected sandstone plateau--"terraced" ridges with flat to hilly crests and steep side slopes, scarps, canyons, rock walls, pillars, and slabs of sandstone: chief soils are acid yellow leached earths and acid yellow earths as follows: (i) flat to undulating areas of the original plateau surface--yellow leached earths (Gn2.74) and yellow earths (Gn2.21) and (Gn2.24) all containing large amounts of ironstone gravels and/or boulders; (ii) gently undulating ridge tops of leached sands (Uc2.12) and (Uc2.3) with open (treeless) areas of acid peats (O) and yellow leached earths (Gn2.74) and (Gn2.34), these areas are in part comparable with unit NZ1; (iii) hilly areas of the (Uc) soils and shallow forms of the (Gn2) soils; (iv) areas of (Dy3.41) and (Dy2.41) soils sometimes containing ironstone gravels on some ridge slopes; and (v) steep slopes with pockets of soil materials from the above soils. The unit has many features comparable with those of unit Mb2. Data are limited. | 0m | On-site |
| Gb4 | Dermosol | River terraces: (1) lower of dark, porous, loamy soils (Um6.11), (2) middle of (Gn2.2 and Gn2.4),(3) upper of (Dy2.41 or Dy3.41 or Dy5.41), and (4) present floodplains of various (Uc1 and Um1) soils.. | 0m | On-site |

Atlas of Australian Soils Data Source: CSIRO
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# Soil Landscapes of Central and Eastern NSW

**Bolong Road, Bomaderry, NSW 2541**



# Soils

**Bolong Road, Bomaderry, NSW 2541**

## Soil Landscapes of Central and Eastern NSW

Soil Landscapes of Central and Eastern NSW within the dataset buffer:

| Soil Code | Name | Distance | Direction |
|---|---|---|---|
| 9028sf | Shoalhaven | 0m | On-site |
| 9028no | Nowra | 656m | West |

Soil Landscapes of Central and Eastern NSW: NSW Department of Planning, Industry and Environment
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# Acid Sulfate Soils

**Bolong Road, Bomaderry, NSW 2541**



# Acid Sulfate Soils

**Bolong Road, Bomaderry, NSW 2541**

## Environmental Planning Instrument - Acid Sulfate Soils

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

| Soil Class | Description | EPI Name |
|---|---|---|
| 1 | Any works present an environmental risk | Shoalhaven Local Environmental Plan 2014 |

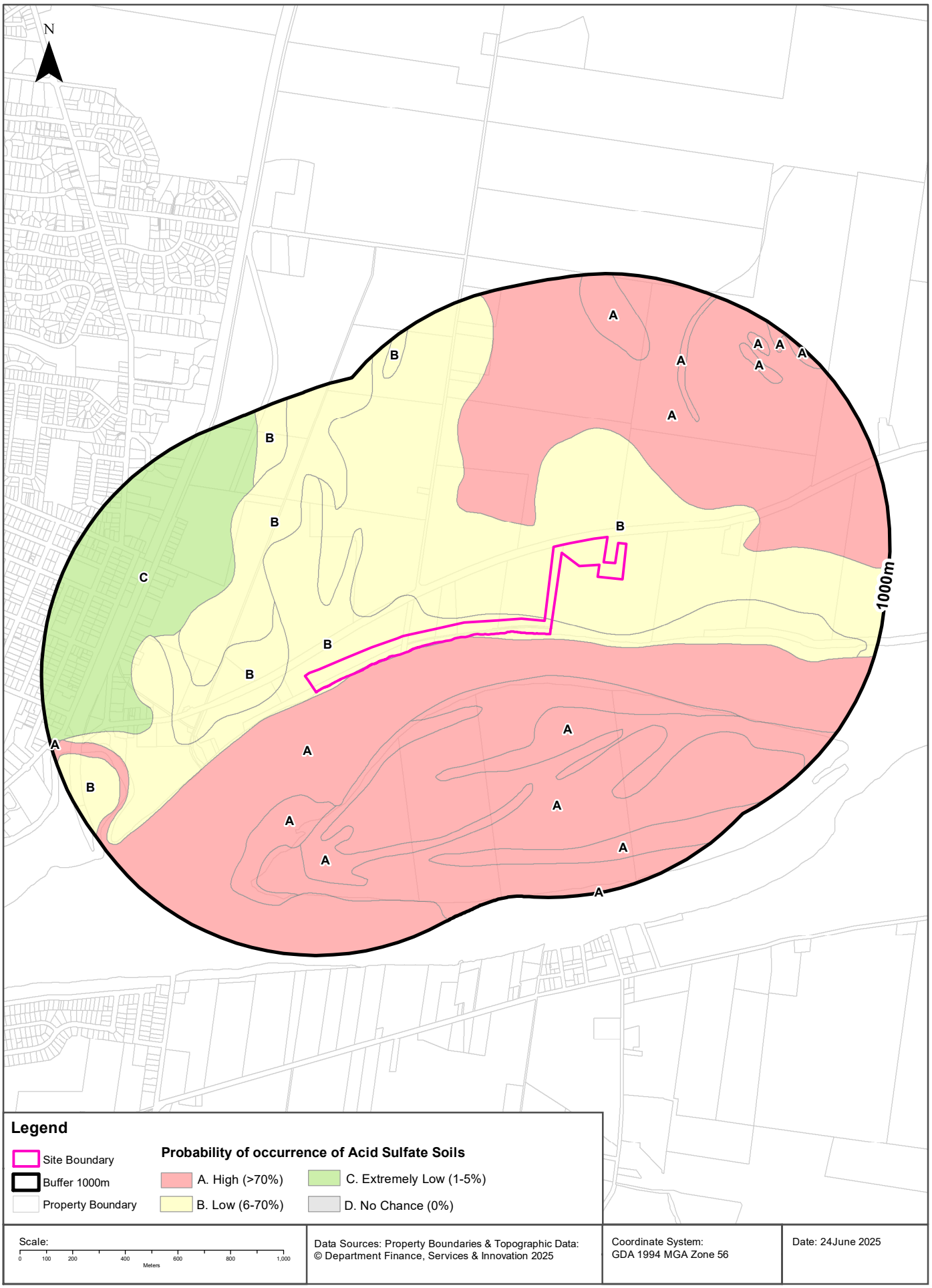
If the on-site Soil Class is 5, what other soil classes exist within 500m?

| Soil Class | Description | EPI Name | Distance | Direction |
|---|---|---|---|---|
| N/A | | | | |

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# Atlas of Australian Acid Sulfate Soils

**Bolong Road, Bomaderry, NSW 2541**



# Acid Sulfate Soils

**Bolong Road, Bomaderry, NSW 2541**

## Atlas of Australian Acid Sulfate Soils

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

| Class | Description | Distance | Direction |
|---|---|---|---|
| B | Low Probability of occurrence. 6-70% chance of occurrence. | 0m | On-site |
| A | High Probability of occurrence. >70% chance of occurrence. | 0m | On-site |
| C | Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas. | 450m | West |

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

**Bolong Road, Bomaderry, NSW 2541**

## Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

**No**

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

**No**

What Dryland Salinity assessments are given?

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

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

# Mining

**Bolong Road, Bomaderry, NSW 2541**

## Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

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

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

**Bolong Road, Bomaderry, NSW 2541**




Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 24 June 2025

# Mining

**Bolong Road, Bomaderry, NSW 2541**

## Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

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

Current Mining & Exploration Titles Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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## Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

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

Current Mining & Exploration Title Applications Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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# Mining

**Bolong Road, Bomaderry, NSW 2541**

## Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

| Title Ref | Holder | Start Date | End Date | Resource | Minerals | Dist | Dir |
|---|---|---|---|---|---|---|---|
| PEL0154 | GENOA OIL NL, HARTOG OIL NL | | | PETROLEUM | Petroleum | 0m | On-site |
| PEL0134 | CANADIAN AUSTRALIAN PETROLEUM NL | | | PETROLEUM | Petroleum | 0m | On-site |
| EL0086 | CONTINENTAL OIL CO OF AUSTRALIA LIMITED | 19670201 | 19680201 | MINERALS | | 0m | On-site |
| PEL0069 | ALLIANCE OIL DEVELOPMENT AUSTRALIA NL, OIL DEVELOPMENT NL | | | PETROLEUM | Petroleum | 0m | On-site |
| EL0498 | DOWNES, C | 19720201 | 19761001 | MINERALS | Brick clay | 0m | On-site |
| PEL469 | LEICHHARDT RESOURCES PTY LTD | 20130208 | 30000101 | MINERALS | | 0m | On-site |
| PSPAUTH21 | LEICHHARDT RESOURCES PTY LTD | 20090602 | 20100602 | PETROLEUM | Petroleum | 0m | On-site |
| PEL0469 | LEICHHARDT RESOURCES PTY LTD | 20110604 | 20150110 | PETROLEUM | Petroleum | 0m | On-site |
| AUTH0234 | ELECTRICITY COMMISSION OF NSW | 19810507 | 19830507 | COAL | Coal | 0m | On-site |
| EL0201 | ARMCO (AUST) PTY LTD | 19680919 | 19690919 | COAL | Coal | 0m | On-site |

Historical Mining & Exploration Titles Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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# State Environmental Planning Policy

**Bolong Road, Bomaderry, NSW 2541**

## State Significant Precincts

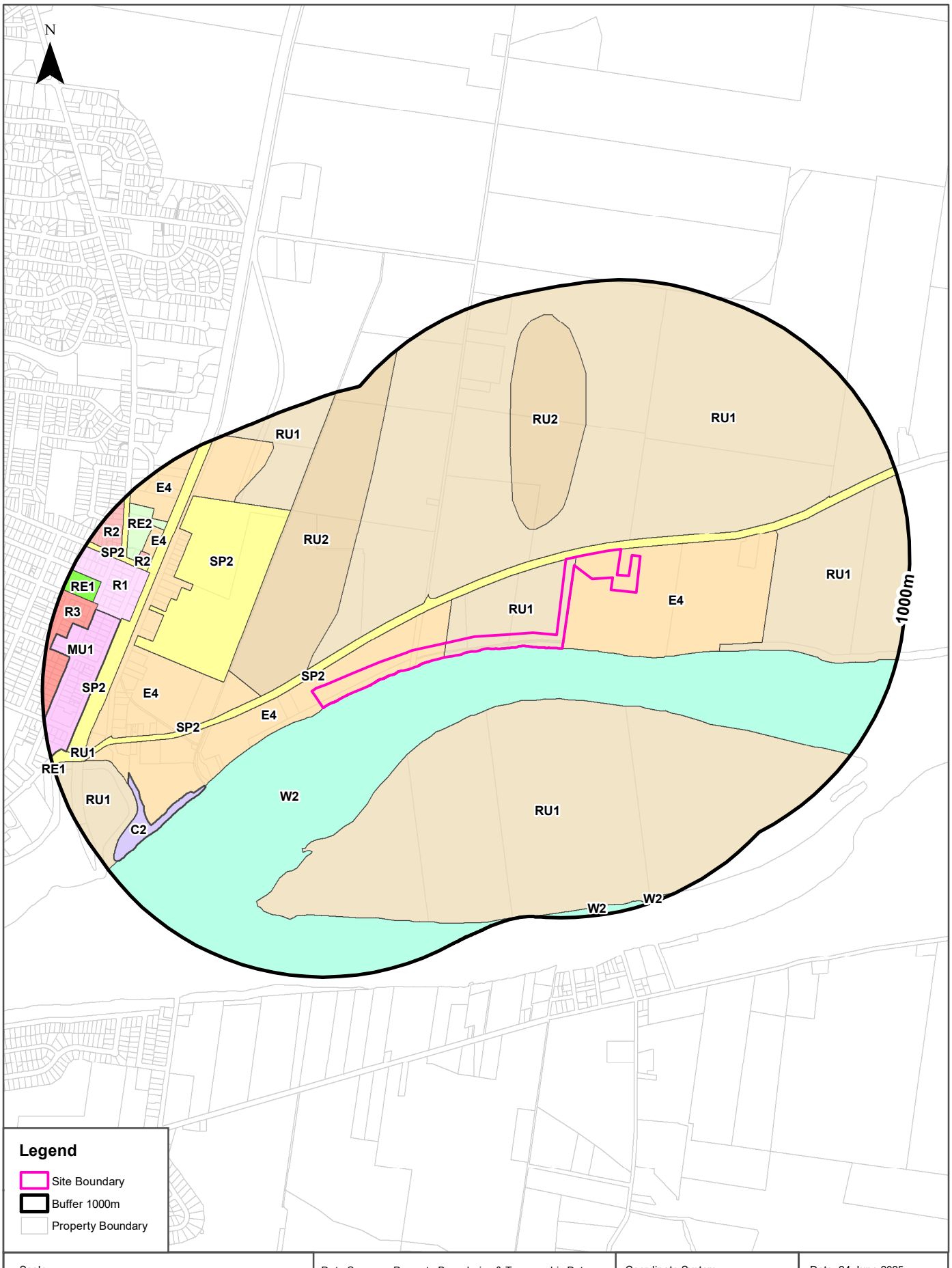
What SEPP State Significant Precincts exist within the dataset buffer?

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

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

**Bolong Road, Bomaderry, NSW 2541**




Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025
Planning: NSW Crown Copyright - Planning & Environment

Coordinate System: GDA 1994 MGA Zone 56

Date: 24 June 2025

# Environmental Planning Instrument

**Bolong Road, Bomaderry, NSW 2541**

## Land Zoning

What EPI Land Zones exist within the dataset buffer?

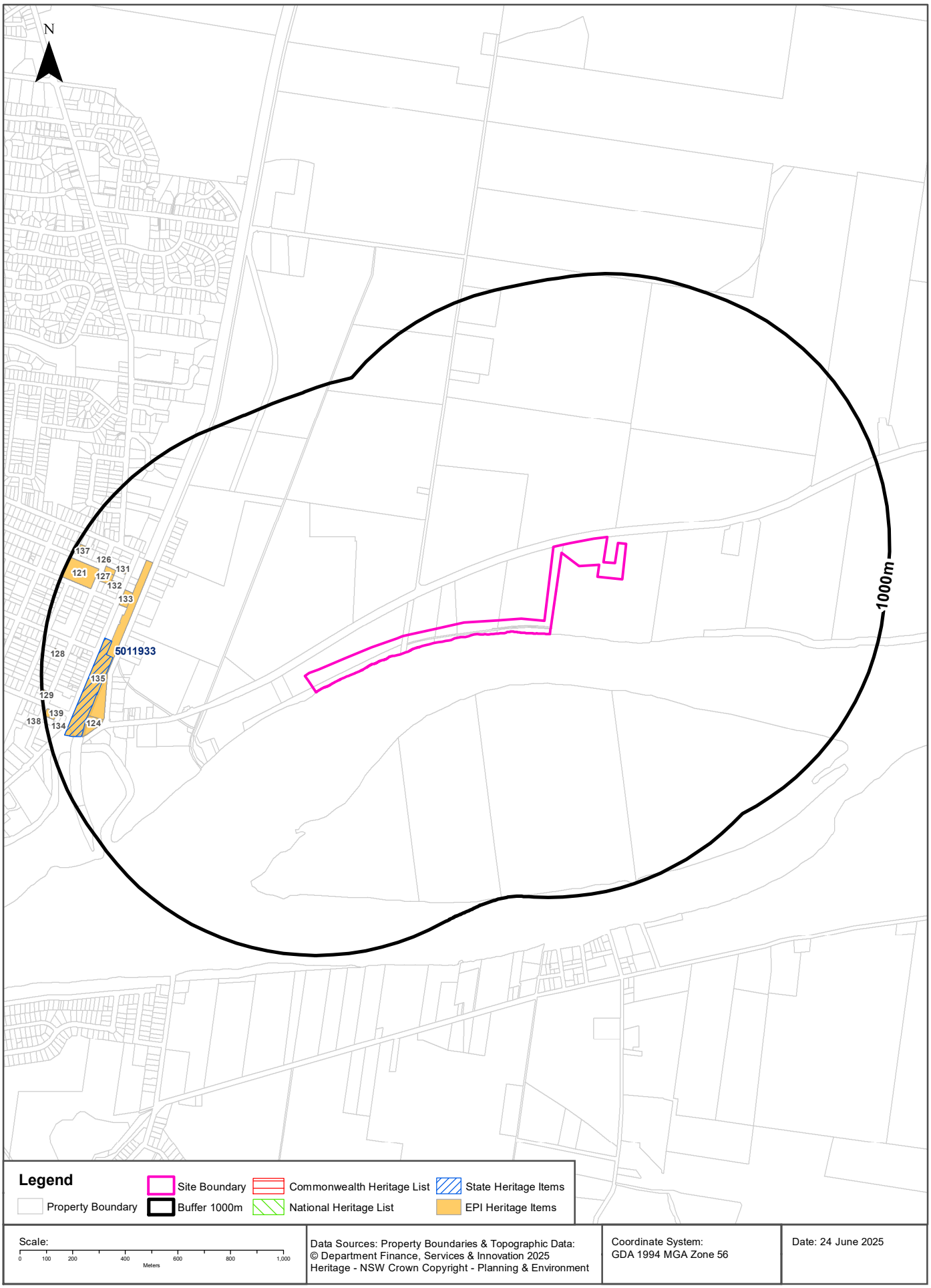
| Zone | Description | Purpose | EPI Name | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction |
|---|---|---|---|---|---|---|---|---|---|
| E4 | General Industrial | | Shoalhaven Local Environmental Plan 2014 | 24/02/2023 | 26/04/2023 | 23/08/2024 | State Environmental Planning Policy Amendment (Land Use Zones) 2023 | 0m | On-site |
| RU1 | Primary Production | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 0m | On-site |
| W2 | Recreational Waterways | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 0m | South West |
| SP2 | Infrastructure | Road | Shoalhaven Local Environmental Plan 2014 | 15/12/2023 | 15/12/2023 | 23/08/2024 | Map Amendment No 11 | 0m | North West |
| RU1 | Primary Production | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 30m | North East |
| RU2 | Rural Landscape | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 77m | North West |
| RU2 | Rural Landscape | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 154m | North |
| RU1 | Primary Production | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 185m | South |
| E4 | General Industrial | | Shoalhaven Local Environmental Plan 2014 | 24/02/2023 | 26/04/2023 | 23/08/2024 | State Environmental Planning Policy Amendment (Land Use Zones) 2023 | 191m | West |
| SP2 | Infrastructure | Sewage Treatment Plant | Shoalhaven Local Environmental Plan 2014 | 22/10/2021 | 22/10/2021 | 23/08/2024 | Map Amendment No 3 | 318m | West |
| RU1 | Primary Production | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 364m | East |
| SP2 | Infrastructure | Sewerage System | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 472m | West |
| C2 | Environmental Conservation | | Shoalhaven Local Environmental Plan 2014 | 05/11/2021 | 01/12/2021 | 23/08/2024 | Standard Instrument (Local Environmental Plans) Amendment (Land Use Zones) Order 2021 | 527m | South West |
| RU1 | Primary Production | | Shoalhaven Local Environmental Plan 2014 | 22/10/2021 | 22/10/2021 | 23/08/2024 | Map Amendment No 3 | 650m | North West |
| SP2 | Infrastructure | Rail Infrastructure Facilities | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 698m | West |
| R1 | General Residential | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 725m | West |
| MU1 | Mixed Use | | Shoalhaven Local Environmental Plan 2014 | 24/02/2023 | 26/04/2023 | 23/08/2024 | State Environmental Planning Policy Amendment (Land Use Zones) 2023 | 758m | West |

| Zone | Description | Purpose | EPI Name | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction |
|---|---|---|---|---|---|---|---|---|---|
| E4 | General Industrial | | Shoalhaven Local Environmental Plan 2014 | 24/02/2023 | 26/04/2023 | 23/08/2024 | State Environmental Planning Policy Amendment (Land Use Zones) 2023 | 763m | West |
| RU1 | Primary Production | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 763m | South West |
| R2 | Low Density Residential | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 778m | West |
| RE2 | Private Recreation | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 811m | West |
| E4 | General Industrial | | Shoalhaven Local Environmental Plan 2014 | 24/02/2023 | 26/04/2023 | 23/08/2024 | State Environmental Planning Policy Amendment (Land Use Zones) 2023 | 829m | North West |
| R3 | Medium Density Residential | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 858m | West |
| R2 | Low Density Residential | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 874m | West |
| RU1 | Primary Production | | Shoalhaven Local Environmental Plan 2014 | 03/08/2018 | 03/08/2018 | 23/08/2024 | Amendment No 19 | 876m | West |
| RE1 | Public Recreation | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 878m | West |
| RE1 | Public Recreation | | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 23/08/2024 | | 999m | West |

Environmental Planning Instrument Data Source: NSW Crown Copyright - Planning & Environment
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# Heritage Items

**Bolong Road, Bomaderry, NSW 2541**



# Heritage

**Bolong Road, Bomaderry, NSW 2541**

## Commonwealth Heritage List

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

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

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

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

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

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
Creative Commons 3.0 © Commonwealth of Australia https://creativecommons.org/licenses/by/3.0/au/deed.en

## State Heritage Register - Curtilages

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

| Map Id | Name | Address | LGA | Listing Date | Listing No | Plan No | Distance | Direction |
|---|---|---|---|---|---|---|---|---|
| 5011933 | Bomaderry Railway Station and yard group | Illawarra railway, Bomaderry | SHOALHAVEN | 02/04/1999 | 01090 | 2466 | 732m | West |

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

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

| Map Id | Name | Classification | Significance | EPI Name | Published Date | Commenced Date | Currency Date | Distance | Direction |
|---|---|---|---|---|---|---|---|---|---|
| 135 | Bomaderry Railway Stn & yard Group incl Stn.masters House & Bomaderry Rlwy Siding Group | Item - General | State | Shoalhaven Local Environmental Plan 2014 | 05/03/2021 | 05/03/2021 | 06/12/2024 | 698m | West |
| 133 | Railwaymen's Barracks | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 725m | West |
| 132 | Brick & Asbestos Tile Federation Bungalow | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 778m | West |
| 124 | Bomaderry Milk Factory (former) | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 05/03/2021 | 05/03/2021 | 06/12/2024 | 784m | West |
| 131 | Bomaderry Presbyterian Church | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 784m | West |

| Map Id | Name | Classification | Significance | EPI Name | Published Date | Commenced Date | Currency Date | Distance | Direction |
|---|---|---|---|---|---|---|---|---|---|
| 127 | Federation Weatherboard Residence | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 18/12/2015 | 18/12/2015 | 06/12/2024 | 819m | West |
| 126 | Federation Weatherboard Residence | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 821m | West |
| 121 | Federation period Bomaderry Primary School (former) | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 05/03/2021 | 05/03/2021 | 06/12/2024 | 878m | West |
| 128 | Inter War Weatherboard Californian Bungalow | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 918m | West |
| 134 | Weatherboard Cottage (formerly Mrs Pallett's Residence) | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 937m | West |
| 139 | Victorian Weatherboard Residence | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 952m | West |
| 137 | Federation Georgian style Workers Cottage | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 964m | West |
| 138 | Victorian Weatherboard Residence | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 969m | West |
| 129 | Victorian Weatherboard Residence | Item - General | Local | Shoalhaven Local Environmental Plan 2014 | 08/04/2014 | 22/04/2014 | 06/12/2024 | 977m | West |

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

**Bolong Road, Bomaderry, NSW 2541**




Data Sources: Bush Fire Prone Land: © NSW Rural Fire Service 2025. Property Boundaries: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 24 June 2025

# Natural Hazards

**Bolong Road, Bomaderry, NSW 2541**

## Bush Fire Prone Land

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

| Bush Fire Prone Land Category | Distance | Direction |
|---|---|---|
| Vegetation Category 3 | 0m | On-site |
| Vegetation Buffer | 0m | On-site |

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

# Ecological Constraints - Vegetation & Ramsar Wetlands

**Bolong Road, Bomaderry, NSW 2541**




Site Boundary
ReportBuffer
Property Boundary
Ramsar Wetland

**Native Vegetation**

Alpine Complex
Arid Shrublands (Acacia sub-formation)
Arid Shrublands (Chenopod sub-formation)
Dry Sclerophyll Forests (Shrub/grass sub-formation)
Dry Sclerophyll Forests (Shrubby sub-formation)
Forested Wetlands
Freshwater Wetlands
Grasslands
Grassy Woodlands
Heathlands
Rainforests
Saline Wetlands
Semi-arid Woodlands (Grassy sub-formation)
Semi-arid Woodlands (Shrubby sub-formation)
Wet Sclerophyll Forests (Grassy sub-formation)
Wet Sclerophyll Forests (Shrubby sub-formation)
Non vegetated
Unattributed
Not classified
Other

Scale: 0 100 200 400 600 800 1,000 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 24 June 2025

# Ecological Constraints

**Bolong Road, Bomaderry, NSW 2541**

## Native Vegetation

What native vegetation exists within the dataset buffer?

| Map ID | Vegetation Formation | Plant Community Type and Vegetation Formation | Vegetation Class | Dist | Dir |
|---|---|---|---|---|---|
| 6357926 | Not classified | (Not classified) Not classified | Not classified | 0m | On-site |
| 6358057 | Not classified | (Not classified) Not classified | Not classified | 0m | On-site |
| 6358059 | Not classified | (Not classified) Not classified | Not classified | 0m | On-site |
| 6358372 | Forested Wetlands | (Forested Wetlands) South Coast Floodplain Grassy Swamp Forest | Coastal Floodplain Wetlands | 0m | On-site |
| 6357925 | Forested Wetlands | (Forested Wetlands) South Coast Floodplain Grassy Swamp Forest | Coastal Floodplain Wetlands | 226m | South |
| 6358062 | Not classified | (Not classified) Not classified | Not classified | 293m | South West |
| 6358064 | Not classified | (Not classified) Not classified | Not classified | 627m | South West |
| 6357610 | Wet Sclerophyll Forests (Shrubby sub-formation) | (Wet Sclerophyll Forests (Shrubby sub-formation)) Illawarra Escarpment Bangalay x Blue Gum Wet Forest | North Coast Wet Sclerophyll Forests | 722m | West |
| 6357611 | Wet Sclerophyll Forests (Shrubby sub-formation) | (Wet Sclerophyll Forests (Shrubby sub-formation)) Illawarra Escarpment Bangalay x Blue Gum Wet Forest | North Coast Wet Sclerophyll Forests | 741m | North West |
| 6357659 | Grassy Woodlands | (Grassy Woodlands) Shoalhaven Lowland Spotted Gum-Paperbark Forest | Coastal Valley Grassy Woodlands | 748m | West |
| 6358061 | Not classified | (Not classified) Not classified | Not classified | 790m | West |
| 6357615 | Wet Sclerophyll Forests (Grassy sub-formation) | (Wet Sclerophyll Forests (Grassy sub-formation)) Shoalhaven Lowland Wet Gully Forest | Southern Lowland Wet Sclerophyll Forests | 801m | West |
| 6358060 | Not classified | (Not classified) Not classified | Not classified | 946m | West |
| 6357948 | Not classified | (Not classified) Not classified | Not classified | 994m | South East |

Native Vegetation Type Map : NSW Department of Planning and Environment 2022
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# Ecological Constraints

**Bolong Road, Bomaderry, NSW 2541**

## Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

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

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

# Ecological Constraints

**Bolong Road, Bomaderry, NSW 2541**

## Collaborative Australian Protected Areas Database - Terrestrial

Protected areas in terrestrial environments identified by the CAPAD within the dataset buffer:

| Map ID | Area Name | Area Details | Management Category | Authority | Jurisdiction | Dist | Dir |
|---|---|---|---|---|---|---|---|
| N/A | No records in buffer | | | | | | |

## Collaborative Australian Protected Areas Database - Marine

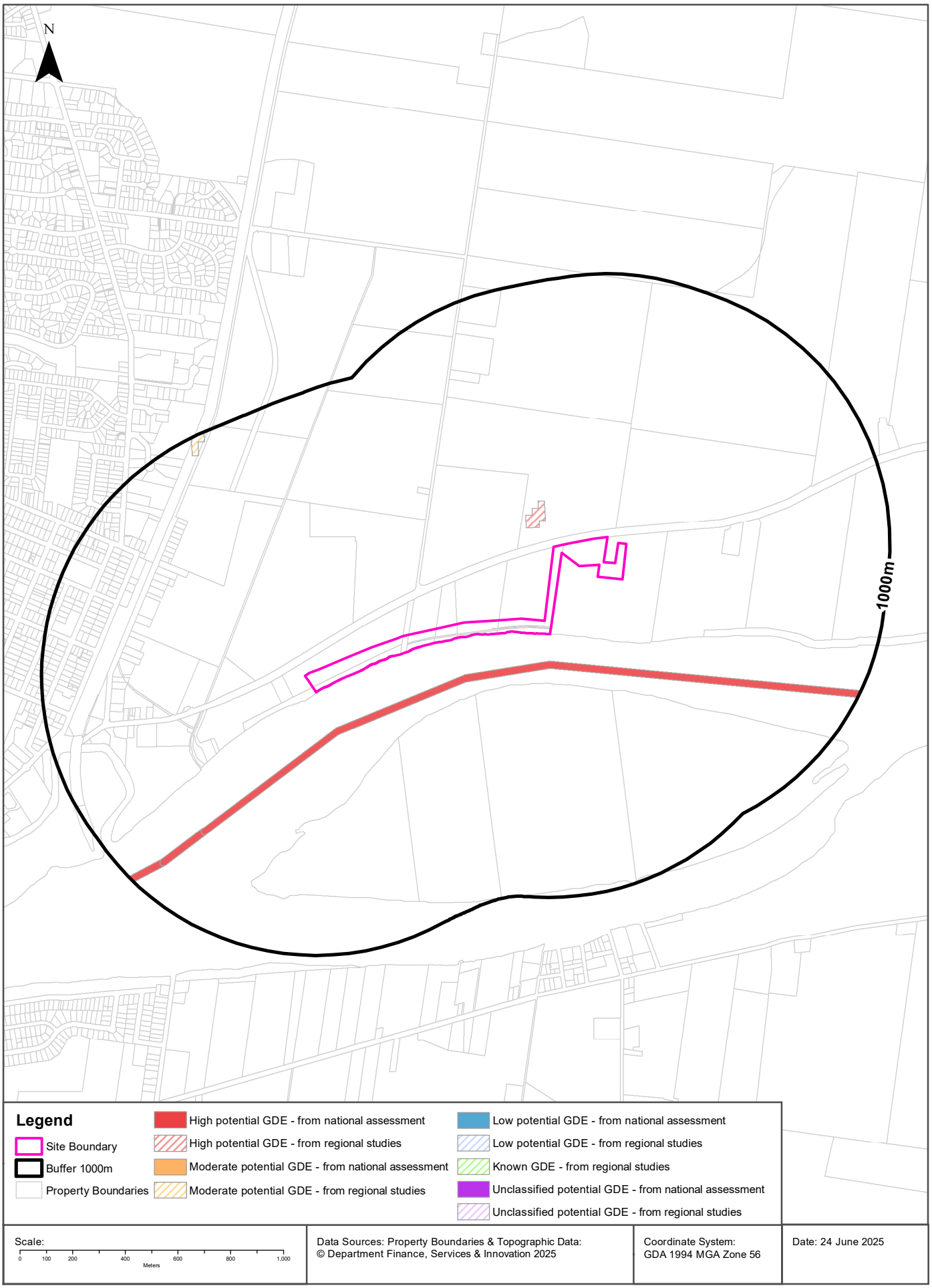
Protected areas in marine environments identified by the CAPAD within the dataset buffer:

| Map ID | Area Name | Area Details | Management Category | Authority | Jurisdiction | Dist | Dir |
|---|---|---|---|---|---|---|---|
| N/A | No records in buffer | | | | | | |

Source: Collaborative Australian Protected Areas Database (CAPAD) 2022
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# Ecological Constraints - Groundwater Dependent Ecosystems Atlas

**Bolong Road, Bomaderry, NSW 2541**



# Ecological Constraints

**Bolong Road, Bomaderry, NSW 2541**

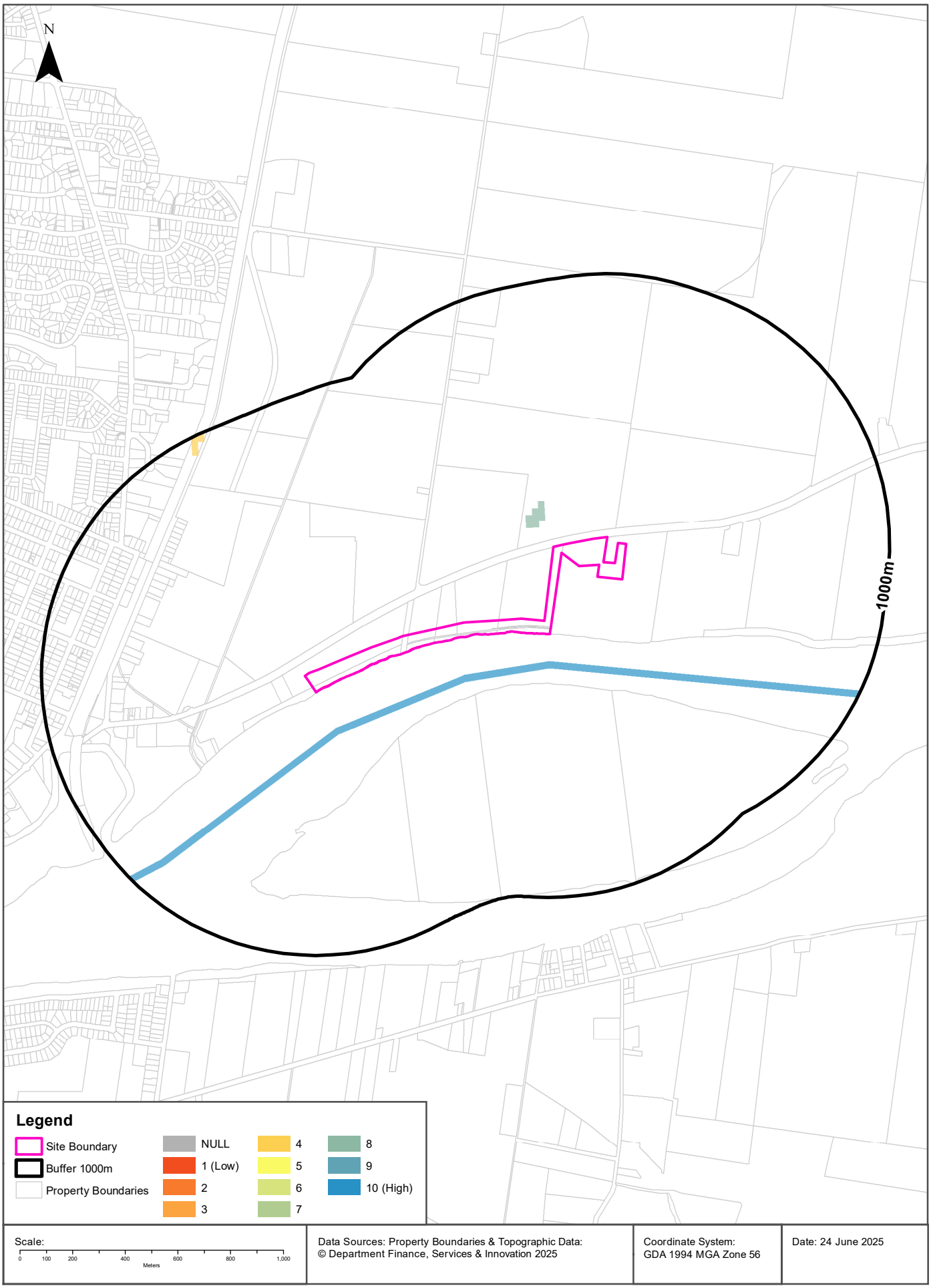
## Groundwater Dependent Ecosystems Atlas

| Type | GDE Potential | Geomorphology | Ecosystem Type | Aquifer Geology | Distance | Direction |
|---|---|---|---|---|---|---|
| Terrestrial | High potential GDE - from regional studies | Deeply dissected sandstone plateaus. | Vegetation | | 94m | North East |
| Aquatic | High potential GDE - from national assessment | Deeply dissected sandstone plateaus. | River | | 101m | South East |
| Terrestrial | Moderate potential GDE - from regional studies | Deeply dissected sandstone plateaus. | Vegetation | | 928m | North West |

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

**Bolong Road, Bomaderry, NSW 2541**



# Ecological Constraints

**Bolong Road, Bomaderry, NSW 2541**

## Inflow Dependent Ecosystems Likelihood

| Type | IDE Likelihood | Geomorphology | Ecosystem Type | Aquifer Geology | Distance | Direction |
|---|---|---|---|---|---|---|
| Terrestrial | 8 | Deeply dissected sandstone plateaus. | Vegetation | | 94m | North East |
| Aquatic | 10 | Deeply dissected sandstone plateaus. | River | | 101m | South East |
| Terrestrial | 4 | Deeply dissected sandstone plateaus. | Vegetation | | 928m | North West |

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

**Bolong Road, Bomaderry, NSW 2541**

## NSW BioNet Species Sightings

Species sightings from the NSW BioNet Repository that have either a state or federal conservation status, or a sensitivity status, and are within 10 km of the site:
*Note: This data does not include NSW Category 1 sensitive species.*

| Kingdom | Class | Scientific | Common | Sensitivity Class | State Conservation Status | Federal Conservation Status | Migratory Species Agreements |
|---|---|---|---|---|---|---|---|
| Animalia | Amphibia | Heleioporus australiacus | Giant Burrowing Frog | Not Sensitive | Vulnerable | Vulnerable | |
| Animalia | Amphibia | Litoria aurea | Green and Golden Bell Frog | Not Sensitive | Endangered | Vulnerable | |
| Animalia | Aves | Actitis hypoleucos | Common Sandpiper | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Anseranas semipalmata | Magpie Goose | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Anthochaera phrygia | Regent Honeyeater | Category 2 | Critically Endangered | Critically Endangered | |
| Animalia | Aves | Apus pacificus | Fork-tailed Swift | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Ardenna pacifica | Wedge-tailed Shearwater | Not Sensitive | Not Listed | Not Listed | JAMBA |
| Animalia | Aves | Ardenna tenuirostris | Short-tailed Shearwater | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Arenaria interpres | Ruddy Turnstone | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Artamus cyanopterus cyanopterus | Dusky Woodswallow | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Botaurus poiciloptilus | Australasian Bittern | Not Sensitive | Endangered | Endangered | |
| Animalia | Aves | Burhinus grallarius | Bush Stone-curlew | Not Sensitive | Endangered | Not Listed | |
| Animalia | Aves | Calidris acuminata | Sharp-tailed Sandpiper | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris canutus | Red Knot | Not Sensitive | Not Listed | Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris ferruginea | Curlew Sandpiper | Not Sensitive | Critically Endangered | Critically Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris melanotos | Pectoral Sandpiper | Not Sensitive | Not Listed | Not Listed | ROKAMBA;JAMBA |
| Animalia | Aves | Calidris ruficollis | Red-necked Stint | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris tenuirostris | Great Knot | Not Sensitive | Vulnerable | Vulnerable | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Callocephalon fimbriatum | Gang-gang Cockatoo | Category 3 | Endangered | Endangered | |
| Animalia | Aves | Calyptorhynchus banksii samueli | Red-tailed Black-Cockatoo (inland subspecies) | Category 2 | Vulnerable | Not Listed | |
| Animalia | Aves | Calyptorhynchus lathami lathami | South-eastern Glossy Black-Cockatoo | Category 2 | Vulnerable | Vulnerable | |
| Animalia | Aves | Charadrius mongolus | Lesser Sand-plover | Not Sensitive | Vulnerable | Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Circus assimilis | Spotted Harrier | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Climacteris picumnus victoriae | Brown Treecreeper (eastern subspecies) | Not Sensitive | Vulnerable | Vulnerable | |
| Animalia | Aves | Cuculus optatus | Oriental Cuckoo | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Daphoenositta chrysoptera | Varied Sittella | Not Sensitive | Vulnerable | Not Listed | |

| Kingdom | Class | Scientific | Common | Sensitivity Class | State Conservation Status | Federal Conservation Status | Migratory Species Agreements |
|---|---|---|---|---|---|---|---|
| Animalia | Aves | Dasyornis brachypterus | Eastern Bristlebird | Category 2 | Endangered | Endangered | |
| Animalia | Aves | Ephippiorhynchus asiaticus | Black-necked Stork | Not Sensitive | Endangered | Not Listed | |
| Animalia | Aves | Epthianura albifrons | White-fronted Chat | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Esacus magnirostris | Beach Stone-curlew | Not Sensitive | Critically Endangered | Not Listed | |
| Animalia | Aves | Falco subniger | Black Falcon | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Gallinago hardwickii | Latham's Snipe | Not Sensitive | Vulnerable | Vulnerable | ROKAMBA;JAMBA |
| Animalia | Aves | Gelochelidon nilotica | Gull-billed Tern | Not Sensitive | Not Listed | Not Listed | CAMBA |
| Animalia | Aves | Geophaps scripta scripta | Squatter Pigeon (southern subspecies) | Not Sensitive | Critically Endangered | Vulnerable | |
| Animalia | Aves | Haematopus fuliginosus | Sooty Oystercatcher | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Haematopus longirostris | Pied Oystercatcher | Not Sensitive | Endangered | Not Listed | |
| Animalia | Aves | Haliaeetus leucogaster | White-bellied Sea-Eagle | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Hieraaetus morphnoides | Little Eagle | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Hirundapus caudacutus | White-throated Needletail | Not Sensitive | Vulnerable | Vulnerable | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Hydroprogne caspia | Caspian Tern | Not Sensitive | Not Listed | Not Listed | JAMBA |
| Animalia | Aves | Ixobrychus flavicollis | Black Bittern | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Lathamus discolor | Swift Parrot | Not Sensitive | Endangered | Critically Endangered | |
| Animalia | Aves | Limnodromus semipalmatus | Asian Dowitcher | Not Sensitive | Vulnerable | Vulnerable | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Limosa lapponica | Bar-tailed Godwit | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Limosa limosa | Black-tailed Godwit | Not Sensitive | Vulnerable | Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Lophochroa leadbeateri | Pink Cockatoo | Category 2 | Vulnerable | Endangered | |
| Animalia | Aves | Lophoictinia isura | Square-tailed Kite | Category 3 | Vulnerable | Not Listed | |
| Animalia | Aves | Neophema pulchella | Turquoise Parrot | Category 3 | Vulnerable | Not Listed | |
| Animalia | Aves | Ninox connivens | Barking Owl | Category 3 | Vulnerable | Not Listed | |
| Animalia | Aves | Ninox strenua | Powerful Owl | Category 3 | Vulnerable | Not Listed | |
| Animalia | Aves | Numenius madagascariensis | Eastern Curlew | Not Sensitive | Critically Endangered | Critically Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Numenius phaeopus | Whimbrel | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Onychoprion fuscatus | Sooty Tern | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Oxyura australis | Blue-billed Duck | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Pachycephala olivacea | Olive Whistler | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Pandion cristatus | Eastern Osprey | Category 3 | Vulnerable | Not Listed | |
| Animalia | Aves | Parvipsitta pusilla | Little Lorikeet | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Petroica boodang | Scarlet Robin | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Petroica phoenicea | Flame Robin | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Petroica rodinogaster | Pink Robin | Not Sensitive | Vulnerable | Not Listed | |

| Kingdom | Class | Scientific | Common | Sensitivity Class | State Conservation Status | Federal Conservation Status | Migratory Species Agreements |
|---|---|---|---|---|---|---|---|
| Animalia | Aves | Pluvialis fulva | Pacific Golden Plover | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Pluvialis squatarola | Grey Plover | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Poephila cincta cincta | Black-throated Finch (southern subspecies) | Not Sensitive | Extinct | Endangered | |
| Animalia | Aves | Polytelis swainsonii | Superb Parrot | Category 3 | Vulnerable | Vulnerable | |
| Animalia | Aves | Pterodroma leucoptera leucoptera | Gould's Petrel | Not Sensitive | Vulnerable | Endangered | |
| Animalia | Aves | Pycnoptilus floccosus | Pilotbird | Not Sensitive | Vulnerable | Vulnerable | |
| Animalia | Aves | Rostratula australis | Australian Painted Snipe | Not Sensitive | Endangered | Endangered | |
| Animalia | Aves | Sterna hirundo | Common Tern | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Sternula albifrons | Little Tern | Not Sensitive | Endangered | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Stictonetta naevosa | Freckled Duck | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Aves | Thalassarche cauta | Shy Albatross | Not Sensitive | Endangered | Endangered | |
| Animalia | Aves | Thalasseus bergii | Crested Tern | Not Sensitive | Not Listed | Not Listed | JAMBA |
| Animalia | Aves | Thinornis cucullatus cucullatus | Eastern Hooded Dotterel | Not Sensitive | Critically Endangered | Vulnerable | |
| Animalia | Aves | Tringa nebularia | Common Greenshank | Not Sensitive | Endangered | Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Tringa stagnatilis | Marsh Sandpiper | Not Sensitive | Not Listed | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Tyto novaehollandiae | Masked Owl | Category 3 | Vulnerable | Not Listed | |
| Animalia | Aves | Tyto tenebricosa | Sooty Owl | Category 3 | Vulnerable | Not Listed | |
| Animalia | Aves | Xenus cinereus | Terek Sandpiper | Not Sensitive | Vulnerable | Vulnerable | ROKAMBA;CAMBA; JAMBA |
| Animalia | Insecta | Petalura gigantea | Giant Dragonfly | Not Sensitive | Endangered | Not Listed | |
| Animalia | Mammalia | Arctocephalus forsteri | New Zealand Fur-seal | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Arctocephalus pusillus doriferus | Australian Fur-seal | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Cercartetus nanus | Eastern Pygmy-possum | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Chalinolobus dwyeri | Large-eared Pied Bat | Not Sensitive | Endangered | Endangered | |
| Animalia | Mammalia | Dasyurus maculatus | Spotted-tailed Quoll | Not Sensitive | Vulnerable | Endangered | |
| Animalia | Mammalia | Dugong dugon | Dugong | Not Sensitive | Endangered | Not Listed | |
| Animalia | Mammalia | Falsistrellus tasmaniensis | Eastern False Pipistrelle | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Isoodon obesulus obesulus | Southern Brown Bandicoot (eastern) | Not Sensitive | Endangered | Endangered | |
| Animalia | Mammalia | Lasiorhinus krefftii | Northern Hairy-nosed Wombat | Not Sensitive | Extinct | Critically Endangered | |
| Animalia | Mammalia | Micronomus norfolkensis | Eastern Coastal Free-tailed Bat | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Miniopterus australis | Little Bent-winged Bat | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Miniopterus orianae oceanensis | Large Bent-winged Bat | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Myotis macropus | Southern Myotis | Not Sensitive | Vulnerable | Not Listed | |

| Kingdom | Class | Scientific | Common | Sensitivity Class | State Conservation Status | Federal Conservation Status | Migratory Species Agreements |
|---|---|---|---|---|---|---|---|
| Animalia | Mammalia | Notamacropus parma | Parma Wallaby | Not Sensitive | Vulnerable | Vulnerable | |
| Animalia | Mammalia | Petauroides volans | Southern Greater Glider | Not Sensitive | Endangered | Endangered | |
| Animalia | Mammalia | Petaurus australis | Yellow-bellied Glider | Not Sensitive | Vulnerable | Vulnerable | |
| Animalia | Mammalia | Petaurus norfolcensis | Squirrel Glider | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Petrogale penicillata | Brush-tailed Rock-wallaby | Not Sensitive | Endangered | Vulnerable | |
| Animalia | Mammalia | Phascolarctos cinereus | Koala | Not Sensitive | Endangered | Endangered | |
| Animalia | Mammalia | Potorous tridactylus trisulcatus | Southern long-nosed potoroo | Not Sensitive | Vulnerable | Vulnerable | |
| Animalia | Mammalia | Pteropus poliocephalus | Grey-headed Flying-fox | Not Sensitive | Vulnerable | Vulnerable | |
| Animalia | Mammalia | Saccolaimus flaviventris | Yellow-bellied Sheathtail-bat | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Scoteanax rueppellii | Greater Broad-nosed Bat | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Sminthopsis leucopus | White-footed Dunnart | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Vespadelus baverstocki | Inland Forest Bat | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Mammalia | Vespadelus troughtoni | Eastern Cave Bat | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Reptilia | Antaresia childreni | Children's Python | Not Sensitive | Vulnerable | Not Listed | |
| Animalia | Reptilia | Caretta caretta | Loggerhead Turtle | Not Sensitive | Endangered | Endangered | |
| Animalia | Reptilia | Chelonia mydas | Green Turtle | Not Sensitive | Vulnerable | Vulnerable | |
| Animalia | Reptilia | Hoplocephalus bungaroides | Broad-headed Snake | Category 2 | Endangered | Endangered | |
| Animalia | Reptilia | Varanus rosenbergi | Rosenberg's Goanna | Not Sensitive | Vulnerable | Not Listed | |
| Plantae | Flora | Acacia pubescens | Downy Wattle | Not Sensitive | Vulnerable | Vulnerable | |
| Plantae | Flora | Brachyscome papillosa | Mossgiel Daisy | Not Sensitive | Vulnerable | Vulnerable | |
| Plantae | Flora | Calochilus pulchellus | Pretty Beard Orchid | Category 2 | Endangered | Endangered | |
| Plantae | Flora | Cryptostylis hunteriana | Leafless Tongue Orchid | Category 2 | Vulnerable | Vulnerable | |
| Plantae | Flora | Eucalyptus langleyi | Albatross Mallee | Not Sensitive | Endangered Population, Vulnerable | Vulnerable | |
| Plantae | Flora | Eucalyptus nicholii | Narrow-leaved Black Peppermint | Not Sensitive | Vulnerable | Vulnerable | |
| Plantae | Flora | Eucalyptus scoparia | Wallangarra White Gum | Not Sensitive | Endangered | Vulnerable | |
| Plantae | Flora | Genoplesium baueri | Bauer's Midge Orchid | Category 2 | Endangered | Endangered | |
| Plantae | Flora | Grammitis stenophylla | Narrow-leaf Finger Fern | Category 3 | Endangered | Not Listed | |
| Plantae | Flora | Hibbertia puberula | | Not Sensitive | Endangered | Not Listed | |
| Plantae | Flora | Hibbertia stricta subsp. furcatula | | Not Sensitive | Endangered | Not Listed | |
| Plantae | Flora | Lastreopsis hispida | Bristly Shield Fern | Category 3 | Endangered | Not Listed | |
| Plantae | Flora | Pterostylis gibbosa | Illawarra Greenhood | Category 2 | Endangered | Endangered | |
| Plantae | Flora | Pterostylis pulchella | Waterfall Greenhood | Category 2 | Vulnerable | Vulnerable | |
| Plantae | Flora | Pterostylis ventricosa | | Category 2 | Critically Endangered | Not Listed | |

| Kingdom | Class | Scientific | Common | Sensitivity Class | State Conservation Status | Federal Conservation Status | Migratory Species Agreements |
|---|---|---|---|---|---|---|---|
| Plantae | Flora | Pterostylis vernalis | | Category 2 | Critically Endangered | Critically Endangered | |
| Plantae | Flora | Rhodamnia rubescens | Scrub Turpentine | Not Sensitive | Critically Endangered | Critically Endangered | |
| Plantae | Flora | Solanum celatum | | Not Sensitive | Endangered | Not Listed | |
| Plantae | Flora | Syzygium paniculatum | Magenta Lilly Pilly | Not Sensitive | Vulnerable | Vulnerable | |
| Plantae | Flora | Triplarina nowraensis | Nowra Heath Myrtle | Not Sensitive | Endangered | Endangered | |
| Plantae | Flora | Zieria baeuerlenii | Bomaderry Zieria | Not Sensitive | Endangered | Endangered | |
| Plantae | Flora | Zieria tuberculata | Warty Zieria | Not Sensitive | Vulnerable | Vulnerable | |

Source: NSW BioNet Species Sightings

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# Location Confidences

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

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

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# Appendix K:

# NSW EPA Reporting Checklist

**NSW EPA (2020) Guidelines for Consultants Reporting on Contaminated Land.**

**Reporting Stages Checklist: Detailed Site Investigation (DSI)**

| Report section | Required information | Included | Report Section |
|---|---|---|---|
| Document control | Date, version number, author and reviewer (including certification details) and who commissioned the report | ☒ | Cover sheets<br>Page ii |
| Executive summary | Background | ☒ | Exec.Summ. |
| | Objectives of the investigation | ☒ | Exec.Summ. |
| | Scope of works | ☒ | Exec.Summ. |
| | Where appropriate, a summary of key findings, observations and sampling results (if available) | ☒ | Exec.Summ. |
| | Summary of conclusions and recommendations | ☒ | Exec.Summ. |
| Objectives | The objectives of the investigation/report and the broader objectives for the site/investigation | ☒ | 1.3 |
| Scope of work | Scope of work performed (and work not undertaken where relevant) | ☒ | 1.4 |
| Site identification | Site identification and detail items from ASC NEPM Field Checklist 'Site information' sheet | ☒ | 2 |
| Site history | Site history items from ASC NEPM Field Checklist 'Site information' sheet. A summary is enough if detailed information was included in an available referenced previous report. | ☒ | 3 |
| Site condition and surrounding environment | Site condition and surrounding environment items from ASC NEPM Field Checklist 'Site information' sheet. A summary is enough if detailed information was included in an available referenced previous report, to be updated with site-specific information. | ☒ | 4 |
| Sampling and analysis quality plan and sampling methodology | See Table 2.2 and note and explain the rationale for any deviations from the plan | ☒ | 8 |
| Results | Summary of previous results, if applicable | ☐ | N/A |
| | A table(s) of analytical results that: | | |
| | shows all essential details such as sample identification numbers and sampling depth | ☒ | Table 17-1<br>Table 17-3 |
| | shows assessment criteria | ☒ | As above |

| Report section | Required information | Included | Report Section |
|---|---|---|---|
| | highlights all results exceeding any assessment criteria (not just the highest) | ☒ | As above |
| | includes a summary/discussion of the analytical results | ☒ | 9 |
| | includes sample descriptions for all media where applicable (e.g. soil, sediment, surface water, groundwater, biota) | ☒ | 9.1 |
| | includes test pit or bore logs (well construction details where appropriate for example groundwater level expressed in Australian height datum) | ☒ | Appendix D |
| | includes site plan showing all sample locations | ☒ | Figure 17-2 |
| | includes site plan(s) showing the extent of soil and groundwater contamination exceeding selected assessment criteria for each sampling depth, including identification numbers and depths of all samples analysed | ☒ | Figure 17-3 |
| | follows appropriate statistical procedures when comparing site data with the investigation and screening levels. Refer to ASC NEPM Schedule B1 sections 2, 3 and 4 | ☒ | Table 17-1 |
| | Refer to ASC NEPM Schedule B2 sections 13 and 14 for information regarding the data presentation | | |
| Quality assurance/quality control data evaluation | See Table 2(c) | ☒ | 10 |
| Conceptual site model | See Table 2(a) | ☒ | 11 |
| Site characterisation | Assessment of extent of contamination considering all relevant media, including offsite areas | ☒ | 12 |
| | Assessment of aesthetic issues | ☒ | 12 |
| | Assessment of secondary toxicity (if conducting an ecological risk assessment) | ☐ | 12 |
| | Assessment of potential effects of contaminants on human health, and built structures (for example arising from risks to service lines from hydrocarbons in groundwater, or risks to concrete from acid sulphate soils) | ☒ | 12 |
| | Assessment of chemical degradation products | ☒ | 12 |
| | Assessment of possible exposure routes and exposed populations (human, ecological) | ☒ | 12 |
| | Any evidence of, or potential for, migration of contaminants from the site, including odour, air quality, stormwater, sedimentation, soil vapour, ground gases and groundwater issues | ☒ | 12 |

| Report section | Required information | Included | Report Section |
|---|---|---|---|
| Waste management (if applicable) | Waste classification details in accordance with EPA Waste Classification Guidelines (see waste classification checklist – Table 2(d) | ☒ | 14 |
| | Statements regarding materials being disposed via appropriately licensed facility or re-used under an order or exemption | ☒ | 14 |
| | Waste disposal dockets or other waste documentation for any disposed waste | ☒ | 14 |
| | Refer to the Site Auditor Guidelines section 4.3.7 Waste management for waste management requirements | ☒ | 14 |
| Conclusions and recommendations | Summary of all findings | ☒ | 15 |
| | Conclusions addressing the stated objectives | ☒ | 15 |
| | Assumptions used in reaching the conclusions | ☒ | 15 |
| | Extent of uncertainties in the results | ☒ | 15 |
| | Recommendations for further work (if appropriate) | ☒ | 15 |