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SITE AUDIT REPORT

339 Mowbray Road and 589-607 Pacific Highway, Chatswood

Sydney Metro
12 December 2025

AU122170A SAR LBJ 23/08B

NSW Site Auditor Scheme

Site Audit Statement

A site audit statement summarises the findings of a site audit. For full details of the site auditor's findings, evaluations and conclusions, refer to the associated site audit report.

This form was approved under the *Contaminated Land Management Act 1997* on 12 October 2017.

For information about completing this form, go to Part IV.

Part I: Site audit identification

Site audit statement no. LBJ 23/08B

This site audit is a:

☐ ~~statutory audit~~

☑ non-statutory audit

within the meaning of the *Contaminated Land Management Act 1997*.

Site auditor details

(As accredited under the *Contaminated Land Management Act 1997*)

Name	Lange Jorstad
Company	Geosyntec Consultants Pty Ltd
Address	Suite 3.04, 1 York St SYDNEY NSW
	Postcode 2000
Phone	02 9251 8070
Email	ljorstad@geosyntec.com

Site details

Address	339 Mowbray Road and 589-607 Pacific Highway, Chatswood
	Postcode 2067

Property description

(Attach a separate list if several properties are included in the site audit.)

Central Portion (Former Ausgrid depot): Lot 1 of DP243111, Part Lot 2 of DP221896, Lot 6 of DP66854, Lot 5 of DP524631, Lot 18 of DP60346, Lot 2 of DP537580 and Lots 4, 5 & 6 of DP65670.

Northwest Portion (Former Caltex service and MLP site): Lot 1 of DP537580, Lot 1 of DP503447, Lot 2 of DP1223080, Lot 3 of DP961402 and Lots 3 & 4 of DP455907.

Southwest Portion (Former retail area): Lot 1 of DP216408, Lot 1 of DP204133, Lot 1 of DP50875, Lot 3 of DP58646 and Lot 6 of DP72759.

Local government area Willoughby Council

Area of site (include units, e.g. hectares) Approximately 16,545 m^2

Current zoning MU1 – Mixed Use (Willoughby Council LEP (2012))

Regulation and notification

To the best of my knowledge:

☐ ~~**the site is** the subject of a declaration, order, agreement, proposal or notice under the *Contaminated Land Management Act 1997* or the *Environmentally Hazardous Chemicals Act 1985*, as follows: (provide the no. if applicable)~~

- ☐ ~~Declaration no.~~
- ☐ ~~Order no.~~
- ☐ ~~Proposal no.~~
- ☐ ~~Notice no.~~

☑ **the site is not** the subject of a declaration, order, proposal or notice under the *Contaminated Land Management Act 1997* or the *Environmentally Hazardous Chemicals Act 1985*.

To the best of my knowledge:

☐ ~~the site **has** been notified to the EPA under section 60 of the *Contaminated Land Management Act 1997*~~

☑ the site **has not** been notified to the EPA under section 60 of the *Contaminated Land Management Act 1997*.

Site audit commissioned by

Name Eric Gotla

Company Sydney Metro

Address 680 George Street (Level 43) Sydney, NSW

Postcode 2000

Phone	0433 929 786
Email	Eric.Gotla@transport.nsw.gov.au

~~**Contact details for contact person** (if different from above)~~

~~Name~~

~~Phone~~

~~Email~~

Nature of statutory requirements (not applicable for non-statutory audits)

☐ ~~Requirements under the *Contaminated Land Management Act* 1997 (e.g. management order; please specify, including date of issue)~~

☐ ~~Requirements imposed by an environmental planning instrument (please specify, including date of issue)~~

☐ ~~Development consent requirements under the *Environmental Planning and Assessment Act 1979* (please specify consent authority and date of issue)~~

☐ ~~Requirements under other legislation (please specify, including date of issue)~~

Purpose of site audit

☑ **A1** To determine land use suitability

Intended uses of the land: low-density residential, high-density residential, recreational open space, commercial/industrial

~~OR~~

☐ ~~**A2** To determine land use suitability subject to compliance with either an active or passive environmental management plan~~

~~Intended uses of the land:~~

~~OR~~

~~(Tick all that apply)~~

☐ ~~**B1** To determine the nature and extent of contamination~~

☐ ~~**B2** To determine the appropriateness of:~~

- ☐ ~~an investigation plan~~
- ☐ ~~a remediation plan~~
- ☐ ~~a management plan~~

☐ ~~**B3** To determine the appropriateness of a **site testing plan** to determine if groundwater is safe and suitable for its intended use as required by the *Temporary Water Restrictions Order for the Botany Sands Groundwater Resource 2017*~~

☐ ~~**B4** To determine the compliance with an approved:~~

- ☐ ~~**voluntary management proposal** or~~
- ☐ ~~**management order** under the *Contaminated Land Management Act 1997*~~

☐ ~~**B5** To determine if the land can be made suitable for a particular use (or uses) if the site is remediated or managed in accordance with a specified plan.~~

~~Intended uses of the land:~~

Information sources for site audit

Consultancies which conducted the site investigations and/or remediation:

GHD, Nation Partners

Titles of reports reviewed:

- GHD (April 2020) Contamination Summary Report, Chatswood Metro, Corner of Pacific Highway and Mowbray Road, Chatswood (Ref: 21/25273)
- Nation Partners (April 2021) Remediation Action Plan – Chatswood Site (Ref: NP19158_Chatswood RAP v2.0)

- Nation Partners (April 2021b) Data Gap Investigation Report – Chatswood Site (Ref: Chatswood Data Gap Investigation Report_v3.0.)
- Nation Partners (December 2023) Remediation Action Plan Addendum – Chatswood Metro Site (Ref: NP22202 Metro Chatswood RAP Addendum V1.0)
- Nation Partners (na) Chatswood Pre-Remediation Investigation – Groundwater Factual Letter (Ref: na)
- Nation Partners (November 2023) Chatswood Pre-Remediation Investigation – Asbestos in Soils and Energy Depot investigation (Ref: na)
- Nation Partners (July 2024) Pre Remediation Investigation Report – Chatswood Site (Ref: Chatswood PRI Report_Final_v2.0.)
- Nation Partners (July 2024) Asbestos in Non-Remediation Areas – Chatswood Metro Remediation (Ref: na.)
- Nation Partners (May 2024) Chatswood Metro Remediation – Change in Validation Approach – Sheet Pile Validation (Ref: na.)
- Nation Partners (January 2025) Mowbray House Curtilage Investigation – Chatswood Metro Remediation (NP23132 Mowbray House Curtilage Test Pits technical Memo)
- Nation Partners (7 February 2025) Chatswood Metro Remediation – Groundwater Technical Memo (Ref: NP23132_Groundwater Technical Memo_Final _v1.0)
- Nation Partners (11 December 2025) Chatswood Metro Dive Site - Remediation Validation Report (Ref: NP23132_ChatswoodMetro_Validation_Report_v3.0)

Earlier reports were considered for the Section B Audit, including previous site audit reports and statements relating to the site:

- DP, 2018a. Report on Remediation Action Plan, Sydney Metro City & SW – Tunnel & Station Excavation Works Package, Proposed Chatswood Dive, 339 Mowbray Road, Chatswood, Ref. 85608.02 dated April 2018;
- EA, 1996a. Contaminated Site Project – Site Report No. 45, A Preliminary Investigation of Energy Australia, Northern Region Area Establishment, 337355 Mowbray Road, Chatswood, NSW, dated May 1996;
- EA, 1996b. Contaminated Site Project – Site Report No. 46, A Preliminary Investigation of Energy Australia, Testing laboratory, 14 Nelson Street, Chatswood, NSW, dated May 1996;
- Environ, 2015. Site Audit Report – Former Caltex Service Station, 607 Pacific Highway, Chatswood, Ref. AS121141 dated May 2015;
- GHD, 2020. Sydney Metro – Contamination Summary Report, Chatswood Metro, Corner of Pacific Highway and Mowbray Road, Chatswood (ref. G:\21\25273\WP\223392.docx, Rev.2), dated 22 April 2020;
- Golder, 2009a. Hazardous Building Materials Assessment, Buildings 6 to 9, Chatswood Depot, Nelson Street, Chatswood, NSW, Ref. 097623044 002 R Rev0, dated May 2009;
- Golder, 2009b. Review of Environmental Conditions, Ref. 097623074 _001 R Rev1 dated 17 August 2009;
- Golder, 2010. Site Management Plan (SMP), Former Caltex Service Station Site, 607 Pacific Highway, Chatswood, NSW, Ref. 107623121-002-R-Rev0 dated7 October 2010;
- Golder, 2011a. VMP Reporting Requirement R2 – Groundwater Monitoring Event (GME), Former Caltex Service Station, Chatswood, Ref. 107623121-004L-Rev1, dated 20 January 2011;
- Golder, 2011b. VMP Reporting Requirement R4 – Progress Report -Additional Groundwater Monitoring Works April 2011, Former Caltex Service Station, Chatswood, Ref. 107623121-007-L-Rev1, dated 3 June 2011;

- Golder, 2011c. VMP Reporting Requirement R4 – Groundwater Monitoring Event (GME), Former Caltex Service Station, Chatswood, Ref. 107623121-008L-Rev0, dated 11 October 2011;
- Golder, 2011d. Human Health Risk Assessment, Ref. 107623121-005-R-Rev0 dated 10 November 2011 (the “HHRA”);
- Golder, 2011e. VMP Reporting Requirement R2 – Groundwater Monitoring Event (GME), Former Caltex Service Station, Chatswood, Ref. 107623121-004L-Rev2, dated 16 November 2011;
- Golder, 2011f. VMP Reporting Requirement R4 – Progress Report -Additional Groundwater Monitoring Works April 2011, Former Caltex Service Station, Chatswood, Ref. 107623121-007-L-Rev1, dated 16 November 2011;
- Golder, 2011g. Voluntary Management Proposal 20101715-Report R3 Remediation Action Plan, Ref. 107623121-006-R-Rev0 dated December 2011;
- Golder, 2012. VMP Reporting Requirement R4 – Groundwater and Soil Vapour Monitoring Events – October/November 2012 (CL806 Rex(2011/5082), Ausgrid Chatswood Depot - Former Caltex Service Station, Ref. 107623121-010-LRev0, dated 21 December 2012;
- Golder, 2013. Voluntary Management Proposal 20101715-Report R3 Remediation Action Plan, Ref. 107623121-006-R-Rev3 dated 24 September 2013;
- Golder, 2014a. VMP Reporting Requirement R1 – Groundwater Monitoring Event – November 2013 (CL806), Ausgrid Chatswood Depot - Former Caltex Service Station, Ref. 107623121-012-L-Rev0, dated 6 January 2014;
- Golder, 2014b. Chatswood Ausgrid Depot – Additional Environmental Investigation, Ref. 147623016 010 Rev0 dated 20 June 2014;
- Golder, 2014c. Transformer Oil UST Decommissioning and Characterisation Sampling, Ausgrid Chatswood Depot, Ref. 147623016-012-L-Rev0 dated 1 September 2014;
- Golder, 2015a. Well Installation and Groundwater Monitoring Report – Round 1, Former Caltex Service Station – 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-019-R-Rev0, dated 30 January 2015;
- Golder, 2015b. Remediation and Validation Report, Former Caltex Service Station, 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-016-R-Rev0 dated 5 March 2015.
- Golder, 2015c. Site Management Plan, 607 Pacific Highway Chatswood, Ref. 147623016-020-R-Rev3 dated 24 April 2015 (the “SMP”);
- Golder, 2015d. Post Remediation Groundwater Monitoring Report – Round 2, Former Caltex Service Station – 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-021-R-Rev0, dated 20 July 2015;
- Golder, 2016a. Post Remediation Groundwater Monitoring Report – Round 3, Former Caltex Service Station – 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-022-R-RevA, dated 29 February 2016;
- Golder, 2016b. Post Remediation Groundwater Monitoring Report – Round 4, Former Caltex Service Station – 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-023-R-RevA, dated 11 July 2016;
- NAA, 2012. Re: Asbestos Materials Re-Inspection Report – Chatswood Depot, 339 Mowbray Road, Chatswood, NSW, Ref. SE0037:81224, dated 4 May 2012;
- Nation Partners (NP), 2021a. Data Gap Investigation Report – Chatswood Site, Ref. Chatswood Data Gap Investigation Report_v3.0.docx, dated April 2021.
- NP, 2021b. Remediation Action Plan – Chatswood Site, Ref. NP19158_Chatswood RAP v2.0, dated April 2021.
- PPK, 1998. Environmental Site Assessment, Energy Australia Depot at 337355 Mowbray Road, Artarmon, NSW, Ref. 58K067A.PR_1248, dated July 1998; • PPK, 2002. Detailed Site Investigation, Energy Australia Depot, 337355 Mowbray Road, Chatswood, NSW, Ref. 2116156A PR_4970.doc, dated August 2002;

- Ramboll, 2016. Re: Review of Former Caltex Chatswood Service Station Post Remediation Groundwater Monitoring, 10 November 2016; Ref. AS121141 dated
- SKM, 2012. Hazardous Materials Audit, Mowbray House, Nelson Street, Chatswood, Ref. EN03179, dated 23 April 2012;
- WWC, 1996. Underground Storage Tank Removal Works at Sydney Electricity Depot at Chatswood – Soil Sampling and Analytical Validation Report, Ref. L001-A.Doc dated April 1996.
- Geosyntec Consultants Pty Ltd (3 May 2021) Section B Site Audit Report and Site Audit Statement, Sydney Metro – Chatswood Corner of Pacific Highway and Mowbray Road, Chatswood, NSW (Ref: GSY119 LBJ 20/02)

Site audit report details

Title Site Audit Report, 339 Mowbray Road and 589-607 Pacific Highway, Chatswood, Sydney Metro

Report no. AU122170A SAR LBJ 23/08B Date 12 December 2025

Part II: Auditor's findings

Please complete either Section A1, Section A2 or Section B, not more than one section. (Strike out the irrelevant sections.)

- Use **Section A1** where site investigation and/or remediation has been completed and a conclusion can be drawn on the suitability of land uses **without the implementation** of an environmental management plan.
- Use **Section A2** where site investigation and/or remediation has been completed and a conclusion can be drawn on the suitability of land uses **with the implementation** of an active or passive environmental management plan.
- Use **Section B** where the audit is to determine:
    - (B1) the nature and extent of contamination, and/or
    - (B2) the appropriateness of an investigation, remediation or management plan[1], and/or
    - (B3) the appropriateness of a site testing plan in accordance with the *Temporary Water Restrictions Order for the Botany Sands Groundwater Source 2017*, and/or
    - (B4) whether the terms of the approved voluntary management proposal or management order have been complied with, and/or
    - (B5) whether the site can be made suitable for a specified land use (or uses) if the site is remediated or managed in accordance with the implementation of a specified plan.

[1] For simplicity, this statement uses the term 'plan' to refer to both plans and reports.

Section A1

I certify that, in my opinion:

The **site is suitable** for the following uses:

(Tick all appropriate uses and strike out those not applicable.)

~~☐ Residential, including substantial vegetable garden and poultry~~

~~☐ Residential, including substantial vegetable garden, excluding poultry~~

☑ Residential with accessible soil, including garden (minimal home-grown produce contributing less than 10% fruit and vegetable intake), excluding poultry

☑ Day care centre, preschool, primary school

☑ Residential with minimal opportunity for soil access, including units

☑ Secondary school

☑ Park, recreational open space, playing field

☑ Commercial/industrial

~~☑ Other (please specify):~~

~~**OR**~~

~~☐ I certify that, in my opinion, the **site is not suitable** for any use due to the risk of harm from contamination.~~

Overall comments:

The investigation, remediation, and validation reviewed are considered to have met the requirements of NSW EPA (2017), other relevant guidelines endorsed under s.105 of the CLM Act and the objectives of the Audit. Where the consultant's work deviated from the guidelines, the Auditor has discussed this within the audit report and is satisfied that these omissions do not affect the conclusions of the Audit.

On this basis a Section A SAS will be issued certifying that, in the opinion of the Auditor, the site is suitable for multiple land uses (low-density residential, high-density residential, public open space, and commercial/industrial, with the following comment:

- The presence of retained fill and ACM conduits marginally within the property boundary are considered to represent a low risk in their current condition. Should these areas be disturbed during future development, the ACM conduits must be managed under the supervision of an appropriately qualified environmental consultant and licenced contractor, and any disturbance of the retained fill should occur in accordance with an unexpected finds protocol.
- If dewatering is required as part of the future development, a dewatering management plan should be developed, and the tailwater collected, analysed and managed appropriately with respect to residual contamination present in groundwater.

Section A2

I certify that, in my opinion:

Subject to compliance with the **attached** environmental management plan[2] (EMP), the site is suitable for the following uses:

(Tick all appropriate uses and strike out those not applicable.)

☐ Residential, including substantial vegetable garden and poultry

☐ Residential, including substantial vegetable garden, excluding poultry

☐ Residential with accessible soil, including garden (minimal home-grown produce contributing less than 10% fruit and vegetable intake), excluding poultry

☐ Day care centre, preschool, primary school

☐ Residential with minimal opportunity for soil access, including units

☐ Secondary school

☐ Park, recreational open space, playing field

☐ Commercial/industrial

☐ Other (please specify):

_____

EMP details

Title _____

Author _____

Date _____ No. of pages _____

EMP summary

This EMP (attached) is required to be implemented to address residual contamination on the site.

The EMP: (Tick appropriate box and strike out the other option.)

☐ requires operation and/or maintenance of **active** control systems[3]

☐ requires maintenance of **passive** control systems only[3].

[2] Refer to Part IV for an explanation of an environmental management plan.
[3] Refer to Part IV for definitions of active and passive control systems.

~~Purpose of the EMP:~~

~~Description of the nature of the residual contamination:~~

~~Summary of the actions required by the EMP:~~

~~How the EMP can reasonably be made to be legally enforceable:~~

~~How there will be appropriate public notification:~~

~~Overall comments:~~

~~Section B~~

~~Purpose of the plan[4] which is the subject of this audit:~~

~~I certify that, in my opinion:~~

~~(B1)~~

☐ ~~The nature and extent of the contamination **has** been appropriately determined~~

☐ ~~The nature and extent of the contamination **has not** been appropriately determined~~

~~AND/OR (B2)~~

☐ ~~The investigation, remediation or management plan **is** appropriate for the purpose stated above~~

☐ ~~The investigation, remediation or management plan **is not** appropriate for the purpose stated above~~

~~AND/OR (B3)~~

☐ ~~The site testing plan:~~

☐ ~~**is** appropriate to determine~~

☐ ~~**is not** appropriate to determine~~

~~if groundwater is safe and suitable for its intended use as required by the *Temporary Water Restrictions Order for the Botany Sands Groundwater Resource 2017*~~

~~AND/OR (B4)~~

☐ ~~The terms of the approved voluntary management proposal* or management order** (strike out as appropriate):~~

☐ ~~**have** been complied with~~

☐ ~~**have not** been complied with.~~

~~*voluntary management proposal no.~~

~~**management order no.~~

~~AND/OR (B5)~~

☐ ~~The site **can be made suitable** for the following uses:~~

~~(Tick all appropriate uses and strike out those not applicable.)~~

[4] For simplicity, this statement uses the term 'plan' to refer to both plans and reports.

~~☐ Residential, including substantial vegetable garden and poultry~~

~~☐ Residential, including substantial vegetable garden, excluding poultry~~

~~☐ Residential with accessible soil, including garden (minimal home-grown produce contributing less than 10% fruit and vegetable intake), excluding poultry~~

~~☐ Day care centre, preschool, primary school~~

~~☐ Residential with minimal opportunity for soil access, including units~~

~~☐ Secondary school~~

~~☐ Park, recreational open space, playing field~~

~~☐ Commercial/industrial~~

~~☐ Other (please specify):~~

~~IF the site is remediated/managed* in accordance with the following plan (**attached**):~~

~~*Strike out as appropriate~~

~~Plan title~~

~~Plan author~~

~~Plan date~~ ~~No. of pages~~

~~SUBJECT to compliance with the following condition(s):~~

~~Overall comments:~~

Part III: Auditor's declaration

I am accredited as a site auditor by the NSW Environment Protection Authority (EPA) under the *Contaminated Land Management Act 1997.*

Accreditation no. 1001

I certify that:

- I have completed the site audit free of any conflicts of interest as defined in the *Contaminated Land Management Act 1997,* and
- with due regard to relevant laws and guidelines, I have examined and am familiar with the reports and information referred to in Part I of this site audit, and
- on the basis of inquiries I have made of those individuals immediately responsible for making those reports and obtaining the information referred to in this statement, those reports and that information are, to the best of my knowledge, true, accurate and complete, and
- this statement is, to the best of my knowledge, true, accurate and complete.

I am aware that there are penalties under the *Contaminated Land Management Act 1997* for wilfully making false or misleading statements.

Signed 

Date 12 December 2025

Part IV: Explanatory notes

To be complete, a site audit statement form must be issued with all four parts.

How to complete this form

Part I

Part I identifies the auditor, the site, the purpose of the audit and the information used by the auditor in making the site audit findings.

Part II

Part II contains the auditor's opinion of the suitability of the site for specified uses or of the appropriateness of an investigation, or remediation plan or management plan which may enable a particular use. It sets out succinct and definitive information to assist decision-making about the use or uses of the site or a plan or proposal to manage or remediate the site.

The auditor is to complete either Section A1 or Section A2 or Section B of Part II, **not** more than one section.

Section A1

In Section A1 the auditor may conclude that the land is *suitable* for a specified use or uses OR *not suitable* for any beneficial use due to the risk of harm from contamination.

By certifying that the site is *suitable*, an auditor declares that, at the time of completion of the site audit, no further investigation or remediation or management of the site was needed to render the site fit for the specified use(s). **Conditions must not be** imposed on a Section A1 site audit statement. Auditors may include **comments** which are key observations in light of the audit which are not directly related to the suitability of the site for the use(s). These observations may cover aspects relating to the broader environmental context to aid decision-making in relation to the site.

Section A2

In Section A2 the auditor may conclude that the land is *suitable* for a specified use(s) subject to a condition for implementation of an environmental management plan (EMP).

Environmental management plan

Within the context of contaminated sites management, an EMP (sometimes also called a 'site management plan') means a plan which addresses the integration of environmental mitigation and monitoring measures for soil, groundwater and/or hazardous ground gases throughout an existing or proposed land use. An EMP succinctly describes the nature and location of contamination remaining on site and states what the objectives of the plan are, how contaminants will be managed, who will be responsible for the plan's implementation and over what time frame actions specified in the plan will take place.

By certifying that the site is suitable subject to implementation of an EMP, an auditor declares that, at the time of completion of the site audit, there was sufficient information satisfying guidelines made or approved under the *Contaminated Land Management Act 1997*

(CLM Act) to determine that implementation of the EMP was feasible and would enable the specified use(s) of the site and no further investigation or remediation of the site was needed to render the site fit for the specified use(s).

Implementation of an EMP is required to ensure the site remains suitable for the specified use(s). The plan should be legally enforceable: for example, a requirement of a notice under the CLM Act or a development consent condition issued by a planning authority. There should also be appropriate public notification of the plan, e.g. on a certificate issued under s.149 of *the Environmental Planning and Assessment Act 1979*.

Active or passive control systems

Auditors must specify whether the EMP requires operation and/or maintenance of active control systems or requires maintenance of passive control systems only. Active management systems usually incorporate mechanical components and/or require monitoring and, because of this, regular maintenance and inspection are necessary. Most active management systems are applied at sites where if the systems are not implemented an unacceptable risk may occur. Passive management systems usually require minimal management and maintenance and do not usually incorporate mechanical components.

Auditor's comments

Auditors may also include **comments** which are key observations in light of the audit which are not directly related to the suitability of the site for the use(s). These observations may cover aspects relating to the broader environmental context to aid decision-making in relation to the site.

Section B

In Section B the auditor draws conclusions on the nature and extent of contamination, and/or suitability of plans relating to the investigation, remediation or management of the land, and/or the appropriateness of a site testing plan in accordance with the *Temporary Water Restrictions Order for the Botany Sands Groundwater Source 2017*, and/or whether the terms of an approved voluntary management proposal or management order made under the CLM Act have been complied with, and/or whether the site can be made suitable for a specified land use or uses if the site is remediated or managed in accordance with the implementation of a specified plan.

By certifying that a site *can be made suitable* for a use or uses if remediated or managed in accordance with a specified plan, the auditor declares that, at the time the audit was completed, there was sufficient information satisfying guidelines made or approved under the CLM Act to determine that implementation of the plan was feasible and would enable the specified use(s) of the site in the future.

For a site that *can be made suitable*, any **conditions** specified by the auditor in Section B should be limited to minor modifications or additions to the specified plan. However, if the auditor considers that further audits of the site (e.g. to validate remediation) are required, the auditor must note this as a condition in the site audit statement. The condition must not specify an individual auditor, only that further audits are required.

Auditors may also include **comments** which are observations in light of the audit which provide a more complete understanding of the environmental context to aid decision-making in relation to the site.

Part III

In **Part III** the auditor certifies their standing as an accredited auditor under the CLM Act and makes other relevant declarations.

Where to send completed forms

In addition to furnishing a copy of the audit statement to the person(s) who commissioned the site audit, statutory site audit statements must be sent to

- the **NSW Environment Protection Authority**:
  nswauditors@epa.nsw.gov.au or as specified by the EPA

  AND
- the **local council** for the land which is the subject of the audit.

Quality Management

Document Distribution

Issue/Revision	Issue 1	Revision 1	Revision 2
Remarks	DRAFT	FINAL	
Date	11 December 2025	12 December 2025	
Prepared by	Lange Jorstad with assistance from: • Sarah Silver	Lange Jorstad with assistance from: • Sarah Silver	
Signature	DRAFT		
File reference	AU122170A SAR LBJ 2308 B Draft	AU122170A SAR LBJ 2308 B 12Dec2025	
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This report was prepared in accordance with the scope of services set out in the contract between Geosyntec Consultants Pty Ltd (ABN 23 154 745 525) and the client.

Geosyntec Consultants Pty Ltd
ABN 23 154 745 525
www.geosyntec.com.au

Executive Summary

This Audit was commissioned by Sydney Metro to provide an independent review of environmental works completed at 339 Mowbray Road and 589-607 Pacific Highway, Chatswood, referred to as the "Chatswood Metro site" (or 'the site').

The site occupies approximately 16,545 m^2 and is legally identified as follows:

- Central Portion (Former Ausgrid depot): Lot 1 of DP243111, Part Lot 2 of DP221896, Lot 6 of DP66854, Lot 5 of DP524631, Lot 18 of DP60346, Lot 2 of DP537580 and Lots 4, 5 & 6 of DP65670.
- Northwest Portion (Former Caltex service and MLP site): Lot 1 of DP537580, Lot 1 of DP503447, Lot 2 of DP1223080, Lot 3 of DP961402 and Lots 3 & 4 of DP455907.
- Southwest Portion (Former retail area): Lot 1 of DP216408, Lot 1 of DP204133, Lot 1 of DP50875, Lot 3 of DP58646 and Lot 6 of DP72759.

The audit boundary is shown in the attached survey plan included in Appendix A.

This Site Audit Report (SAR 23/08) and associated Site Audit Statement (SAS 23/08) considers investigation, remediation and validation works conducted by various consultants in early investigation stages, and by Nation Partners for the recent remediation and validation of the site, to form an opinion on whether the site is suitable for the low-density residential without restrictions on land use to meet divestment requirements.

This is a non-statutory Audit, as outlined in Section 3.2.5 of the NSW EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme. This audit report has been written in accordance with guidelines made or approved by NSW EPA.

A previous non-statutory SAR and Section B SAS were issued addressing the suitability of a remediation action plan (Nation Partners (April 2021) Remediation Action Plan – Chatswood Site).

Remediation of the site required the removal of buildings and hardstand, closing of data gaps and requirement for additional sampling, removal of the identified USTs (both known and unexpected), excavation of impacted soils (asbestos and other CoPCs), stockpile management, and materials tracking. The site was divided into six remediation areas:

- Remediation Area A – former asbestos burial pits, and chemical impacts associated with a former service station.
- Remediation Area B – a former asbestos slab.
- Remediation Area C – an underground storage tank (UST) associated with a former energy depot.
- Remediation Area D – two former USTs, also associated with the former energy depot.
- Remediation Areas E and F – chemical and asbestos exceedances in shallow soils.

The data gap investigation (DGI; Nation Partners 2021) was completed and identified the following:

- Most soil exceedances were associated with historical fill materials and primarily in the western portion of the site. Three exceedances were recorded in natural soils.
- Groundwater sampling identified exceedances of the health investigation levels (HILs) for arsenic, benzo(a)pyrene (BaP), benzene, lead and per- and polyfluoroalkyl substances (PFAS); and the ecological investigation levels (EILs) for copper, lead, mercury, nickel,

zinc and PFAS. PFAS was present in groundwater in the southwest and southeast portions of the site whilst benzene was encountered in groundwater near the north-western boundary of the site (former service station, previously remediated and subject of a historical audit). The potential for PFAS to be migrating onto the site via groundwater from an off-site source could not be discounted, although further data was required to identify specific PFAS sources.

- Passive soil vapour (PSV) sampling identified that whilst historically elevated levels of tetrachloroethene in soil vapour at former vapour monitoring location V01 had been reported, no exceedances of investigation levels were identified.

Further pre-remediation investigation found that the PFAS was primarily identified in the southern shallow (perched) groundwater system. Contaminant concentrations in deep groundwater that exceeded investigation criteria were demonstrated to be generally consistent or decreasing over time. NP considered that there were no complete source-pathway-receptor (SPR) linkages to the impacted groundwater, and implementation of the RAP would remove additional potential sources of contamination to groundwater, including former USTs and fill material potentially contributing metal contamination to groundwater.

An additional 46 test pits were completed as part of the pre-remediation investigation by Nation Partners (2024), which, when combined with results of the DGI, provided adequate sampling density to enable preliminary waste classification for the purposes of remediation design. Fill material was classified as either General Solid Waste or GSW – Special Waste Asbestos (GSW-A) in some areas.

Considering results of the data gap assessment(s), a revised remediation extent (NP, 2023) was developed, with changes to Remediation Areas A (expansion and split into 2 remediation areas), Area D (expanded to include the remediation of lead impacted soils within the footprint of the former energy depot), No changes were noted for Areas “B, C, E or F”.

During remediation, the following were identified:

- Additional USTs were discovered during slab removal in the northwestern corner of the site (area of former Caltex service station); 11 additional USTs were identified within two tank pits which were removed and validated in 2024.
- Substantial asbestos in fill was identified during the remediation process. As such, the overall remediation approach was altered to a “remove all fill option” in November 2024.
- During remediation, once an area was excavated to natural soil, validation samples of the floor and walls were collected. When an exceedance was identified, additional remediation was undertaken, where practicable, but did not extend beyond the site boundary. In one area, a sliver of residual fill, approximately 0.5 m thick, was retained between the sheet piles and site boundary. Validation wall samples were collected within this sliver, considered sufficient to characterise materials on the outside of the sheet piling.
- Some ACM pipes remain close to the site boundary, and a concrete “wedge” and underlying fill has been left in-situ (to maintain stabilisation of adjacent offsite assets) at the site boundaries. The locations have been surveyed and are shown within the validation report figures (reproduced in Appendix A).
- The footprint of Mowbray House was excised from the audit boundary and remediation of the fill beneath the building was excluded from the scope, due to the heritage status of the structure. The condition of the fill beneath the hardstand within the curtilage, a 10 m buffer around the structure, was investigated to assess suitability for the intended land uses. The curtilage fill was considered acceptable to remain with only minor HIL exceedances, deemed acceptable due to supporting evidence of historical non-leachable results across the site, or from the presence of asphalt or bituminous material within the fill, and a low likelihood of future disturbance.

The Auditor considers that waste from the site has been appropriately classified and disposed off-site.

The investigation, remediation, validation and management reviewed have demonstrated substantial compliance with the requirements of NSW EPA (2017), other relevant guidelines endorsed under s.105 of the CLM Act and the objectives of the Audit. Where the consultant's work deviated from the guidelines, the Auditor has discussed this within the audit report and is satisfied that these omissions do not affect the conclusions of the Audit.

On this basis a Section A SAS will be issued certifying that, in the opinion of the Auditor, the site is suitable for multiple land uses (low-density residential, high-density residential, public open space, and commercial/industrial, with the following comment:

- The presence of retained fill and ACM conduits marginally within the property boundary are considered to represent a low risk in their current condition. Should these areas be disturbed during future development, the ACM conduits must be managed under the supervision of an appropriately qualified environmental consultant and licenced contractor, and any disturbance of the retained fill should occur in accordance with an unexpected finds protocol.
- If dewatering is required as part of the future development, a dewatering management plan should be developed, and the tailwater collected, analysed and managed appropriately with respect to residual contamination present in groundwater.

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List of Acronyms

Acronym /Abbreviation	Definition
ACM	Asbestos containing material
AF	Asbestos fines
AFFF	Aqueous film forming foam
ANZG	Australian and New Zealand Guidelines
AS	Australian Standard
AST	Above-ground storage tank
BaP or B(a)P	Benzo(a)pyrene
BTEX	Benzene, toluene, ethylbenzene, xylenes
BTEXN	Benzene, toluene, ethylbenzene, xylenes, naphthalene
CEMP	Construction Environmental Management Plan
CLM	Contaminated Land Management
COC	Chain of custody
COPC	Contaminant of potential concern
CRC Care	Cooperative Research Centre for Contamination Assessment and Remediation of the Environment
CSM	Conceptual site model
DEC	Department of Environment and Conservation (NSW)
DECC	Department of Environment and Climate Change (NSW)
DQI	Data quality indicator
DQO	Data quality objective
EIL	Ecological investigation level
EMP	Environmental Management Plan
EPA	Environment Protection Authority (NSW)
ESL	Ecological screening level
FA	Fibrous asbestos
F1	TRH C_6-C_{10} minus BTEX
F2	TRH >C_{10}-C_{16} minus naphthalene
F3	TRH >C_{16}-C_{34}
F4	TRH >C_{34}-C_{40}
GIL	Groundwater investigation level
GME	Groundwater monitoring event
ha	hectare
HEPA	Heads of EPAs Australia and New Zealand
HIL	Health investigation level
HSL	Health screening level
LEP	Local Environmental Plan
LNAPL	Light non-aqueous phase liquid
LOR	Limit of reporting
m	metre
mAHD	Metres in Australian Height Datum
mbgl	Metres below ground level
mTOC	Metres below top of casing
mg/kg	Milligrams per kilogram
mg/L	Milligrams per litre
MLP	Master Lease Property
µg/kg	Micrograms per kilogram
µg/L	Micrograms per litre
µS/cm	Microsiemens per centimetre; a measure of fluid electrical conductivity
MNA	Monitored natural attenuation
NP	Nation Partners Pty Ltd
NAPL	Non-aqueous phase liquid
NATA	National Association of Testing Authorities

Acronym /Abbreviation	Definition
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure – In this report, it refers to the National Environment Protection Assessment of Site Contamination) Measure, which was amended in 2013
NHMRC	National Health and Medical Research Council
NSW	New South Wales
OCP	Organochlorine pesticide
OEH	Office of Environment and Heritage (NSW)
OPP	Organophosphate pesticide
PAH	Polycyclic aromatic hydrocarbons
PCB	Polychlorinated biphenyls
PFAS	Per- and polyfluoroalkyl substances
PFHxS	Perfluorohexanesulfonic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
pH	measure of acidity or alkalinity of a solution, expressed as -log[H^+]
PID	Photo-ionisation detector
POEO	Protection of the Environment Operations
PRI	Pre-Remediation Investigation
PSI	Preliminary site investigation
QA	Quality assurance
QC	Quality control
RAP	Remedial action plan
RPD	Relative percentage difference
SAQP	Sampling and analysis quality plan
SAR	Site audit report
SAS	Site audit statement
SEPP	State Environmental Planning Policy
SOP	Standard operating procedure
SVOC	Semi-volatile organic compound
SWL	Standing water level
TEQ	Toxicity equivalent quotient
TPH	Total petroleum hydrocarbons
TRH	Total recoverable hydrocarbons
TSE	Sydney Metro tunnel and station excavation contractor
UCL	Upper confidence limit
UPSS	Underground petroleum storage system
US EPA	United States Environmental Protection Agency
UST	Underground storage tank
VOC	Volatile organic compound
WHO	World Health Organization

1 Introduction

This audit was commissioned by Sydney Metro to provide an independent review of the appropriateness of environmental works completed at 339 Mowbray Road and 589-607 Pacific Highway, Chatswood, referred to as the "Chatswood Metro site" (or 'the site').

This Site Audit Report (SAR 23/08) and associated Site Audit Statement (SAS 23/08) were produced by Lange Jorstad (Accreditation No. 1001) employed by Geosyntec Consultants Pty Ltd (Geosyntec). Sarah Silver of Geosyntec provided assistance during the course of the Audit.

The site occupies approximately 18,000 m^2 and is identified as follows:

- Central Portion (Former Ausgrid depot): Lot 1 of DP243111, Part Lot 2 of DP221896, Lot 6 of DP66854, Lot 5 of DP524631, Lot 18 of DP60346, Lot 2 of DP537580 and Lots 4, 5 & 6 of DP65670.
- Northwest Portion (Former Caltex service and MLP site): Lot 1 of DP537580, Lot 1 of DP503447, Lot 2 of DP1223080, Lot 3 of DP961402, Lots 3 & 4 of DP455907.
- Southwest Portion (Former retail area): Lot 1 of DP216408, Lot 1 of DP204133, Lot 1 of DP50875, Lot 3 of DP58646 and Lot 6 of DP72759.
- The footprint of Mowbray House within Lot 2 of DP221896 (approximately 450 m^2) has been excised from the audit area.

The boundary of this Audit is shown in the attached Survey Plan included in Appendix A.

This is a non-statutory Audit, as outlined in Section 3.2.5 of the NSW EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme. This audit report has been written in accordance with guidelines made or approved by NSW EPA.

This audit report makes reference to guidelines that were originally issued by the environmental regulator under the names of the NSW Environmental Protection Authority (EPA), NSW Department of Environmental and Conservation (DEC), NSW Department of Environment and Climate Change (DECC), NSW Department of Environment, Climate Change and Water (DECCW) and NSW Office of Environment & Heritage (OEH) part of the Department of Premier and Cabinet. For the purpose of currency, the organisation is referred to as EPA in this report. EPA approved guidelines will be referenced by the name of the organisation at the time of publication.

1.1 Site Background

1.1.1 Regulatory Requirements for Audit

The Auditor understands that this audit is not required by an instrument issued under an Act (for example, a development approval condition, or an order). Accordingly, the audit is a non-statutory audit in the meaning of the CLM Act 1997.

1.1.2 Previous Site Audit

An audit was completed by Environ (Graeme Nyland, May 2015) for the former Caltex Service Station in the northwest corner of the site. A Section B Site Audit Statement considered the site suitable for commercial/industrial land use with a site management plan. Following this SAS, there were additional post remediation groundwater monitoring events (GMEs) performed under a voluntary management plan. The GMEs reported that hydrocarbon contamination in groundwater was either stable or decreasing with evidence of monitored natural attenuation occurring. The EPA signed off the works as suitable to meet the requirements of the VMP on the 6th of December 2016.

A SAR and Section B SAS were issued by Geosyntec in May 2021 (LBJ 20/02), which concluded that the site could be made suitable for the proposed following land uses through implementation of a Remediation Action Plan (RAP; NP, April 2021):

- Residential with accessible soil, including garden (minimal home-grown produce contributing less than 10% fruit and vegetable intake), excluding poultry
- Day care centre, preschool, primary school
- Residential with minimal opportunity for soil access, including units
- Secondary school
- Park, recreational open space, playing field
- Commercial/industrial

The Section B SAS was subject to compliance with the following conditions:

1. At the completion of the remaining targeted assessment, the remediation strategy must be reviewed and confirmed to be suitable in consideration of the results of the asbestos investigation and additional groundwater assessment or must be revised to address any further remediation or management requirements arising from the additional assessment.
2. Prior to the implementation of the RAP, a Remediation Works Plan (RWP) and Construction Environment Management Plan (CEMP) must be prepared to specify the logistics and environmental controls required to successfully implement the remediation program.
3. If residual groundwater contamination is deemed to pose a potential risk under certain future exposure scenarios, then a long-term Environmental Management Plan (EMP) must be prepared for the ongoing management of the residual groundwater contamination risk.

1.2 Overview of Site Audit Process

The Audit has been conducted in accordance with the requirements of the CLM Act 1997, as amended, which (in Part 1, Section 4 definitions) states:

“site audit” means a review:

a. That relates to management (whether under this Act or otherwise) of the actual or possible contamination of land; and
b. That is conducted for the purpose of determining any one or more of the following matters:
    i. The nature and extent of any contamination of the land,
    ii. The nature and extent of any management of actual or possible contamination of the land,
    iii. Whether the land is suitable for any specified use or range of uses,
    iv. What management remains necessary before the land is suitable for any specified use or range of uses, and
    v. The suitability and appropriateness of a plan of management, long-term management plan or a voluntary management proposal.

NSW EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd Edition), describes the site assessment and audit process as:

1. The Consultant is commissioned to assess contamination. The contaminated site consultant designs and undertakes the site assessment and, where required, all remediation and validation activities to achieve the objectives specified by the owner or developer; and

2. The Site auditor reviews the Consultant's work. The site owner or developer commissions the site auditor to review the consultant's work. The auditor prepares a site audit report and a site audit statement at the conclusion of the review, which are given to the owner or developer.

Part 4, Section 53B (6) of the CLM Act 1997 describes that Audits conducted by EPA accredited Auditors must apply:

- The provisions of the CLM Act and the CLM Regulations; and
- The guidelines made or approved by the EPA.

In addition, auditors must take into account the provisions of any environmental planning instruments applying to the site.

1.3 Relevant Guidelines

Statutory guidelines made by EPA under Section 105 of the CLM Act 1997 at the time of this report are:

- NSW EPA (January 1995) Guidelines for the Vertical Mixing of Soil on Former Broad-Acre Agricultural Land.
- NSW EPA (October 1997) Guidelines for Assessing Banana Plantation Sites.
- NSW DEC (2005) Guidelines for Assessing Former Orchards and Market Gardens.
- NSW DEC (2007) Guidelines for Assessment and Management of Groundwater Contamination.
- NSW EPA (2015) Contaminated Sites: Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997.
- NSW EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd Edition).
- NSW EPA (2020a) Consultants Reporting on Contaminated Land - Contaminated Land Guidelines, noting that some of the reports were prepared prior to the issue of these guidelines and were audited against NSW OEH (2011) Guidelines for Consultants Reporting on Contaminated Sites.
- NSW EPA (2020b) Assessment and Management of Hazardous Ground Gases.
- NSW EPA (2022a) Sampling Design Part 1: Application, noting that some of the reports were prepared prior to the issue of this guideline and referred to the NSW EPA (1995) Sampling Design Guidelines.
- NSW EPA (2022b) Sampling Design Part 2: Interpretation.
- Guidelines that refer to the:
    - Australian Water Quality Guidelines for Fresh and Marine Waters (ANZECC, 2000), are replaced as of 29 August 2018 by the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, 2018), with the exception of the water quality for primary industries component, which still refer to the ANZECC & ARMCANZ (2000) guidelines.
    - National Environment Protection (Assessment of Site Contamination) Measure 1999 are replaced as of 16 May 2013 by the National Environment Protection (Assessment of Site Contamination) Measure 1999 (April 2013).

Statutory guidelines approved by EPA under Section 105 of the CLM Act 1997 at the time of this report are:

- NSW Agricultural/CMPS&F (1996) Guidelines for the Assessment and Clean Up of Cattle Tick Dip Sites for Residential Purposes, NSW Agricultural and CMPS&F Environmental, Canberra.
- Lock, W. H., (1996) Composite Sampling, National Environmental Health Forum Monographs, Soil Series No. 3, National Environmental Health Forum, SA Health Commission, Adelaide.
- ANZECC & ARMCANZ (2000) Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Volume 3, Primary Industries - Rationale and Background Information.
- NHMRC/NRMMC (2011) Australian Drinking Water Guidelines. National Health and Medical Research Council and National Resource Management Ministerial Council of Australia and New Zealand.
- Department of Health and Ageing and EnHealth Council, Commonwealth of Australia (2012) Environmental Health Risk Assessment: Guidelines for Assessing Human Health Risks from Environmental Hazards.
- National Environment Protection (Assessment of Site Contamination) Measure 1999 (April 2013) (ASC NEPM).
- ANZG (2018) Australian and New Zealand Guidelines for Fresh and Marine Water Quality.

Non-Statutory guidelines include:

- NSW EPA (September 2010) Technical Note: Vapour Intrusion.
- NSW EPA (April 2014a) Best Practice Note: Landfarming.
- NSW EPA (August 2015) Technical Note: Light Non-Aqueous Phase Liquid Assessment and Remediation.
- NSW EPA (June 2019) Practice Note: Managing Run-Off from Service Station Forecourts.
- NSW EPA (January 2022) Practice Note: Preparing Environmental Management Plans for Contaminated Land.
- NSW EPA (2023) Contamination Assessment of Service Station Sites.

Other documents referred to by the Auditor:

- WA DoH (2009) Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia.
- CRC Care (2011) Technical Report No. 10 Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater.
- CRC Care (2013) Technical Report No. 23 Petroleum Hydrocarbon Vapour Intrusion Assessment.
- NSW EPA (2014) Waste Classification Guidelines.
- NSW EPA (2014) Technical Note: Investigation of Service Station Sites.
- NSW EPA (November 2016) Guidance Document: Designing Sampling Programs for Sites Potentially Contaminated by PFAS.
- Protection of the Environment Operations (Underground Petroleum Storage Systems Regulation) 2019.
- HEPA (2020) PFAS National Environmental Management Plan, Version 2.0, January 2020 [NEMP 2.0].
- NSW EPA (December 2020) Guidelines for Implementing the Protection of the Environment Operations (Underground Petroleum Storage Systems) Regulation 2019.

In addition to the above, the Auditor has given due regard to the provisions of the NSW Government's framework for managing waste under the Protection of the Environment Operations Act 1997 (NSW) (POEO Act 1997) and Waste Avoidance and Recovery Act 2001.

Where relevant, consideration has also been given to technical guidance on the assessment of contamination in NSW as presented on the EPA website.

1.4 Reports Reviewed

The following reports were reviewed as part of the Section B Audit:

- DP, 2018a. Report on Remediation Action Plan, Sydney Metro City & SW – Tunnel & Station Excavation Works Package, Proposed Chatswood Dive, 339 Mowbray Road, Chatswood, Ref. 85608.02 dated April 2018;
- EA, 1996a. Contaminated Site Project – Site Report No. 45, A Preliminary Investigation of Energy Australia, Northern Region Area Establishment, 337355 Mowbray Road, Chatswood, NSW, dated May 1996;
- EA, 1996b. Contaminated Site Project – Site Report No. 46, A Preliminary Investigation of Energy Australia, Testing laboratory, 14 Nelson Street, Chatswood, NSW, dated May 1996;
- Environ, 2015. Site Audit Report – Former Caltex Service Station, 607 Pacific Highway, Chatswood, Ref. AS121141 dated May 2015;
- GHD, 2020. Sydney Metro – Contamination Summary Report, Chatswood Metro, Corner of Pacific Highway and Mowbray Road, Chatswood (ref. G:\21\25273\WP\223392.docx, Rev.2), dated 22 April 2020;
- Golder, 2009a. Hazardous Building Materials Assessment, Buildings 6 to 9, Chatswood Depot, Nelson Street, Chatswood, NSW, Ref. 097623044 002 R Rev0, dated May 2009;
- Golder, 2009b. Review of Environmental Conditions, Ref. 097623074 _001 R Rev1 dated 17 August 2009;
- Golder, 2010. Site Management Plan (SMP), Former Caltex Service Station Site, 607 Pacific Highway, Chatswood, NSW, Ref. 107623121-002-R-Rev0 dated7 October 2010;
- Golder, 2011a. VMP Reporting Requirement R2 – Groundwater Monitoring Event (GME), Former Caltex Service Station, Chatswood, Ref. 107623121-004L-Rev1, dated 20 January 2011;
- Golder, 2011b. VMP Reporting Requirement R4 – Progress Report -Additional Groundwater Monitoring Works April 2011, Former Caltex Service Station, Chatswood, Ref. 107623121-007-L-Rev1, dated 3 June 2011;
- Golder, 2011c. VMP Reporting Requirement R4 – Groundwater Monitoring Event (GME), Former Caltex Service Station, Chatswood, Ref. 107623121-008L-Rev0, dated 11 October 2011;
- Golder, 2011d. Human Health Risk Assessment, Ref. 107623121-005-R-Rev0 dated 10 November 2011 (the "HHRA");
- Golder, 2011e. VMP Reporting Requirement R2 – Groundwater Monitoring Event (GME), Former Caltex Service Station, Chatswood, Ref. 107623121-004L-Rev2, dated 16 November 2011;
- Golder, 2011f. VMP Reporting Requirement R4 – Progress Report -Additional Groundwater Monitoring Works April 2011, Former Caltex Service Station, Chatswood, Ref. 107623121-007-L-Rev1, dated 16 November 2011;

- Golder, 2011g. Voluntary Management Proposal 20101715-Report R3 Remediation Action Plan, Ref. 107623121-006-R-Rev0 dated December 2011;
- Golder, 2012. VMP Reporting Requirement R4 – Groundwater and Soil Vapour Monitoring Events – October/November 2012 (CL806 Rex(2011/5082), Ausgrid Chatswood Depot - Former Caltex Service Station, Ref. 107623121-010-LRev0, dated 21 December 2012;
- Golder, 2013. Voluntary Management Proposal 20101715-Report R3 Remediation Action Plan, Ref. 107623121-006-R-Rev3 dated 24 September 2013;
- Golder, 2014a. VMP Reporting Requirement R1 – Groundwater Monitoring Event – November 2013 (CL806), Ausgrid Chatswood Depot - Former Caltex Service Station, Ref. 107623121-012-L-Rev0, dated 6 January 2014;
- Golder, 2014b. Chatswood Ausgrid Depot – Additional Environmental Investigation, Ref. 147623016 010 Rev0 dated 20 June 2014;
- Golder, 2014c. Transformer Oil UST Decommissioning and Characterisation Sampling, Ausgrid Chatswood Depot, Ref. 147623016-012-L-Rev0 dated 1 September 2014;
- Golder, 2015a. Well Installation and Groundwater Monitoring Report – Round 1, Former Caltex Service Station – 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-019-R-Rev0, dated 30 January 2015;
- Golder, 2015b. Remediation and Validation Report, Former Caltex Service Station, 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-016-R-Rev0 dated 5 March 2015.
- Golder, 2015c. Site Management Plan, 607 Pacific Highway Chatswood, Ref. 147623016-020-R-Rev3 dated 24 April 2015 (the “SMP”);
- Golder, 2015d. Post Remediation Groundwater Monitoring Report – Round 2, Former Caltex Service Station – 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-021-R-Rev0, dated 20 July 2015;
- Golder, 2016a. Post Remediation Groundwater Monitoring Report – Round 3, Former Caltex Service Station – 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-022-R-RevA, dated 29 February 2016;
- Golder, 2016b. Post Remediation Groundwater Monitoring Report – Round 4, Former Caltex Service Station – 607 Pacific Highway, Chatswood, NSW, Ref. 147623016-023-R-RevA, dated 11 July 2016;
- NAA, 2012. Re: Asbestos Materials Re-Inspection Report – Chatswood Depot, 339 Mowbray Road, Chatswood, NSW, Ref. SE0037:81224, dated 4 May 2012;
- Nation Partners (NP), 2021a. Data Gap Investigation Report – Chatswood Site, Ref. Chatswood Data Gap Investigation Report_v3.0.docx, dated April 2021.
- NP, 2021b. Remediation Action Plan – Chatswood Site, Ref. NP19158_Chatswood RAP v2.0, dated April 2021.
- PPK, 1998. Environmental Site Assessment, Energy Australia Depot at 337355 Mowbray Road, Artarmon, NSW, Ref. 58K067A.PR_1248, dated July 1998; • PPK, 2002. Detailed Site Investigation, Energy Australia Depot, 337355 Mowbray Road, Chatswood, NSW, Ref. 2116156A PR_4970.doc, dated August 2002;
- Ramboll, 2016. Re: Review of Former Caltex Chatswood Service Station Post Remediation Groundwater Monitoring, 10 November 2016; Ref. AS121141 dated
- SKM, 2012. Hazardous Materials Audit, Mowbray House, Nelson Street, Chatswood, Ref. EN03179, dated 23 April 2012;

- WWC, 1996. Underground Storage Tank Removal Works at Sydney Electricity Depot at Chatswood – Soil Sampling and Analytical Validation Report, Ref. L001-A.Doc dated April 1996.
- GHD (April 2020) Contamination Summary Report, Chatswood Metro, Corner of Pacific Highway and Mowbray Road, Chatswood (Ref: 21/25273)
- Nation Partners (April 2021) Remediation Action Plan – Chatswood Site (Ref: NP19158_Chatswood RAP v2.0)
- Nation Partners (April 2021b) Data Gap Investigation Report – Chatswood Site (Ref: Chatswood Data Gap Investigation Report_v3.0.)

During the course of the current Section A Audit, the following reports were referred to and provided to the Auditor:

- Nation Partners (December 2023) Remediation Action Plan Addendum – Chatswood Metro Site (Ref: NP22202 Metro Chatswood RAP Addendum V1.0)
- Nation Partners (na) Chatswood Pre-Remediation Investigation – Groundwater Factual Letter (Ref: na)
- Nation Partners (November 2023) Chatswood Pre-Remediation Investigation – Asbestos in Soils and Energy Depot investigation (Ref: na)
- Nation Partners (July 2024) Pre Remediation Investigation Report – Chatswood Site (Ref: Chatswood PRI Report_Final_v2.0.)
- Nation Partners (July 2024) Asbestos in Non-Remediation Areas – Chatswood Metro Remediation (Ref: na.)
- Nation Partners (May 2024) Chatswood Metro Remediation – Change in Validation Approach – Sheet Pile Validation (Ref: na.)
- Nation Partners (January 2025) Mowbray House Curtilage Investigation – Chatswood Metro Remediation (NP23132 Mowbray House Curtilage Test Pits technical Memo)
- Nation Partners (7 February 2025) Chatswood Metro Remediation – Groundwater Technical Memo (Ref: NP23132_Groundwater Technical Memo_Final _v1.0)
- Nation Partners (10 December 2025) Chatswood Metro Dive Site - Remediation Validation Report (Ref: NP23132_ChatswoodMetro_Validation_Report_v3.0)

1.5 Audit Correspondence

The Auditor provided feedback to the consultant during the course of the Audit in the form of interim advice letters or email correspondence. A copy of these letters or relevant email correspondence is included in Appendix B together with any relevant consultant responses. Where appropriate, these are referred to in the audit report.

2 Site Identification and Description

This section provides detail on land use and surrounding properties. This information has been sourced from the reports referenced in Section 1.4.

2.1 Site Identification and Details

The site location is shown in Consultant Figures reproduced in Appendix A. The site identification and land use details include:

Table 2.1: Site Identification

Title	Details
Site Name or Description:	Chatswood Metro Dive Site
Street Address:	339 Mowbray Road and 589-607 Pacific Highway, Chatswood
Property Description:	Central Portion (Former Ausgrid depot): • Lot 1 of DP243111 • Part Lot 2 of DP221896 • Lot 6 of DP66854 • Lot 5 of DP524631 • Lot 18 of DP60346 • Lot 2 of DP537580 • Lots 4, 5 & 6 of DP65670 Northwest Portion (Former Caltex service and MLP site): • Lot 1 of DP537580 • Lot 1 of DP503447 • Lot 2 of DP1223080 • Lot 3 of DP961402 • Lots 3 & 4 of DP455907 Southwest Portion (Former retail area): • Lot 1 of DP216408 • Lot 1 of DP204133 • Lot 1 of DP50875 • Lot 3 of DP58646 • Lot 6 of DP72759
Current Site Ownership/Certificates of Title:	The site is currently owned by Sydney Metro
Current Occupier(s):	The site is currently vacant
Geographical Coordinates (approximate centre of site):	Lat: -33.804° Long: 151.180°
Site Area and Dimensions:	Approximately 16,545 m^2
Local Government Authority:	Willoughby Council
Current Zoning:	MU1 – Mixed Use (Willoughby Council LEP (2012))
Previous Zoning:	Majority of the site was previously zoned as SP2-Infrastructure and a small portion of land along, R3 medium density residential at the boundary with Nelson Street and the western boundary was zoned as B5-Business Development.
Future Zoning	Not presently known
Locality Map:	Provided in Consultant's reports reproduced in Appendix A.
Trigger for Assessment	Change in land use

Title	Details
State or Local Government Statutory Controls Assigned to the Site:	Not Applicable
State Environmental Planning Policy (Resilience and Hazards) 2021 Remediation Category and Justification:	Category 2 remediation
Proposed Land Use:	Site assessed for the full range of land uses under the ASC NEPM: low-density residential, high-density residential, recreational open space, and commercial/industrial

2.2 Proposed Development

At the time of preparing this audit report, the proposed development and land use had not been finalised.

The objective of the remediation and audit is to confirm the site is suitable for low-density residential, high-density residential, recreational open space, and commercial/industrial land uses to meet divestment requirements.

The land use objectives for MU-1 Mixed Use, zoning permissible at the site as described in Part 2 of the Willoughby Council LEP (2012), are as follows:

- To encourage a diversity of business, retail, office and light industrial land uses that generate employment opportunities.
- To ensure that new development provides diverse and active street frontages to attract pedestrian traffic and to contribute to vibrant, diverse and functional streets and public spaces.
- To minimise conflict between land uses within this zone and land uses within adjoining zones.
- To encourage business, retail, community and other non-residential land uses on the ground floor of buildings.
- To allow for city living on the edges of the city centre of Chatswood, which encourages public transport use, shopping and the use of businesses and recreational services that contribute to the vitality of the city, without undermining its commercial role.

2.3 Auditor Discussion

The information required by NSW EPA (2020a), relating to site identification and condition, was provided, and is consistent with observations made during site inspections conducted as part of this Audit. It is noted that some of the reports were reviewed were prepared based on the OEH (2011) guidelines prior to the issue of NSW EPA (2020a). Where necessary information is required under NSW EPA (2020a), the Auditor contacted Sydney Metro or Nation Partners to obtain the necessary information.

3 Evaluation of Conceptual Site Model

3.1 Site Condition and Surrounding Environment

The site condition prior to commencement of the works described in this audit report is summarised in this section together with potential sensitive human health and environmental receptors. This information has been sourced from the reports listed in Section 1.4.

Table 3.1: Site Condition and Surrounding Environment

Title	Details
Site inspection:	A site inspection was completed on 13 June 2020, during the supplementary investigation program performed by NP. Drilling and well installation program was underway. The site consisted of a densely developed construction site, with multiple office spaces, construction storage areas, warehouses and related plant and equipment. A large water treatment facility was in the centre of the audit site to treat water from the groundwater sump from the neighbouring dive site; the process included bulk chemical storage containing potassium permanganate, sodium hydroxide, sodium hypochlorite, ammonia and anti-foaming agent. Bulk chemical storage was also observed in the south-western portion of the site in a rough bunded area (one IBC with a “Fosroc” label, and multiple 200L drums on unknown contents). An open-sided storage area was adjacent to the water treatment plant, containing what appeared to be filter cake from a filtration system. Another open sided storage area in the northern portion of the site appeared to contain stockpiles of concrete rubble and clayey excavation spoil. A substantial outdoor storage of construction materials were observed including concrete pipes and casts, PVC pipes, scaffolding equipment, steel reinforcing bar, and a large variety of similar materials; The ground was covered with concrete and asphalt hardstand across the site, most in good condition but some areas of significant cracking were observed. At the time of the auditor’s visit, the adjacent dive site contained a large warehouse structure housing the drilling dive portal, with the rail corridor to the east and residential properties beyond. The site was bound by the Pacific Highway to the west, Mowbray Road to the south, with a Sydney Water facility containing very large aboveground storage tanks and a large radio/television transmission tower and bound by Nelson Street to the north. The Auditor’s assistant performed a site inspection on 9 October 2024, during the tank removal program. The following observations were made: • The site was undergoing active earthworks. Mowbray House was used as the site office. Stockpiles and Plant were present across the site. • The USTs in the northwest corner of the site were in the process of removal. The tanks along the western wall (tanks 1-4) had been emptied and were in the process of removal. The excavation for tanks 1 and 2 were open awaiting results of validation sampling to inform whether further excavation or backfilling was required. The top of the 3 tanks had been exposed but was sitting insitu awaiting removal. • Strong hydrocarbon odours were noted in the area of the tank removal. Nation Partners had stated that they measured ~900ppm on the PID at surface during removal works. • Perched water/seepage water was noted in the tank excavation. • Excavation to natural material was completed in the west and southwest of the site with exception in the southwest corner where Heritage investigations of historical wells was underway. A site walkover was conducted by the Auditor, Nation Partner representatives, Sydney Metro representatives and RMA representatives on 31 January 2025. The following was observed: • Remediation of the bulk of the site was complete • Mowbray House will not be included within the audit boundary. Results of recent investigation confirmed that risks associated with the full in the curtilage are low. • Remediation of the TSE padmount area was complete. ACM pipes and concrete footings are to remain in situ to not compromise the integrity of Mowbray house.

Title	Details
	• The driveway was still intact and awaiting remediation, awaiting engineering advice. • Concrete footings, concrete wedge, hardstand near Area C, and concrete pad remain onsite. These structures are to remain as their removal would compromise the integrity of the Frank Chanon Walk landscape area and the NDI drive path. The Audit boundary was updated to reflect the materials remaining. A final site visit was completed on 11 November 2025. The auditor observed… • All fill had been excavated (except for the areas of retained fill indicated), and natural soil was exposed. Imported fill materials were stockpiled within the excavation footprint, and some were in the process of being spread to meet handover site preparation levels. • The small area of driveway on the western property boundary that could not be excavated was observed, and a periphery sampling program was proposed by Senversa to provide as much data as possible in relation to this small area. • The area of retained fill along the eastern boundary was inspected, and no evidence of ACM or other obvious forms of gross contamination were observed. The remnant ACM conduits had been removed as far back into the fill profile as possible to minimise potential for future disturbance. • The driveway remediation was largely completed, with excavation of the final stage of that remediation nearing completion.
Topography and Elevation of Site and in Relation to Surrounding Land:	The site lies on a flat ridge at an elevation of approximately 104 mAHD with a gentle towards the north-northeast (surface elevation – 101 mAHD). The topography and site levels had been altered - GHD (2020) indicated that the TSE contractors placed a layer of imported clean fill over the previously paved car park area in the northwestern portion of the site and then established additional concrete slabs and site infrastructure on top of the fill layer. Based on the review of google map on 10 March 2020, the surface cover at most of the audit site appears to be concrete paved. The tunnel excavation at the adjoining TSE site extends to approximately 21.6 mbgl (base of the tunnel is at 82 m AHD). Further east, the cutting at the railway corridor is approximately 5 m to 7 m deep compared to the surrounding surface elevation. The above information was confirmed during site visit.
Summary of Local Meteorology & Climatic Conditions	The average climatic data from Terry Hills weather station #066059 (located approximately 11 km north of the site) between 2004 to 2025 are as follows: • The mean maximum temperature ranges from 16.4°C in July to 26.7°C in January. The mean minimum temperature ranges from 7.8°C in July to 18.5°C in January • The mean rainfall ranges from 57.5 mm in August to 177.5 mm in March. The annual mean rainfall is 1192.8 mm.
Current Land Use:	The site was vacant at the time of the audit. Mowbray House (offsite but surrounded by site) was utilised as a site office during earthworks.
Surrounding Land Uses:	The surrounding land uses include the following: • North: Nelson Street, followed by commercial and residential properties. • West: The Pacific Highway and the associated road reserve, beyond which are commercial including an operational Ampol service station, the Great Northern Hotel, and residential properties. • East: The TSE portion of the site followed by the Northern Railway corridor; and • South: Mowbray Road beyond which are telecommunications tower, electricity substation and the Sydney Water above-ground reservoirs.
Density of Residential Use in Surrounding Area:	The site is located in a mixed low to medium density residential and commercial land use area.
Boundary Condition:	Hoarding was erected round all four boundaries of the site during remediation and validation works. The site could be accessed off Mowbray Road on the south end of the site. The above information was confirmed during site visit.

Title	Details
Location and Conditions of All Visible Features & Site Building Information:	At the initiation of this audit, all former site structures had been demolished. The majority of the site structures associated with the former land uses have been demolished, however the substation transformer workshop of the former EA depot and a heritage listed Mowbray House (the former school building) are present in the southern portion of the audit site – noting the Mowbray House is not considered in this audit. Two former buildings were associated with the TSE were located in the northern and central-east portions of the site, with the building in the central-eastern portion extend further east to the adjoining TSE site. A number of construction equipment and site infrastructure associated with TSE are present throughout the site, including temporary site offices in the southwestern portion of the audit site.
Condition and Type of Surface Cover & Vegetation Type, Extent and Condition of Cover:	No vegetation was observed on the site during remediation and validation works. The site was primarily concrete paved with cracks, which was removed during bulk earthworks. The above information was confirmed during the site visits
Chemical Storage and Transfer Areas Including the Presence of Chemical Containers:	During the Auditor's site inspection for the Section B Audit (June 2020), the Auditor observed a large water treatment facility in the centre of the site, that appeared to be treating water from the groundwater sump on the dive site. The treatment system included bulk chemical IBC's containing potassium permanganate, sodium hydroxide, sodium hypochlorite, ammonia and anti-foaming agent. Bulk chemical storage was also observed in the south-western portion of the site in a rough bunded area (one IBC with a "Fosroc" label, and multiple 200L drums on unknown contents); An open-sided storage area was adjacent to the water treatment plant, containing what appeared to be filter cake from a filtration system. Another open sided storage area in the northern portion of the site appeared to contain stockpiles of concrete rubble and clayey excavation spoil. A substantial outdoor storage of construction materials were observed including concrete pipes and casts, PVC pipes, scaffolding equipment, steel reinforcing bar, and a large variety of similar materials. Petrol and diesel was stored in the northwest portion of the site when the former Caltex service station operated between 1970 and 2004. It is assumed that these were also stored when the motor services garage operated between 1950 and 1991.
Summary of Above Ground and Underground Storage Systems and Associated Infrastructure:	Three decommissioned underground storage tanks (USTs) remained in-situ (two USTs south of the former transformer workshop, and one UST to the north of Mowbray House), and three USTs that were anecdotally reported to have been removed at the time the Section B audit was complete; however, the validation of the tank removal was not available. An additional 10 x USTs were identified during remediation works, reported as unexpected finds.
Evidence of Debris, Waste Disposal, Lagoons, Drums, Chemical Storage or Other Indicators of Potential Contamination Sources:	No evidence of debris and lagoons or other chemical storage were discussed by consultants nor observed during the site visits.
Location of Settlement Ponds:	None discussed by consultants nor observed during the site visit.
Description and Location of Services and Utilities Including On-site Septic Systems, Electrical Transformers/Substation/ Capacitors:	None discussed by consultants nor observed at the site. An Electrical Substation is located offsite, across Mowbray Road to the south of the site. .
Odours & Visible Signs of Contamination:	NP (2024) state that no visual or olfactory indicators of potential contamination were noted except for: • MW006 – hydrocarbon odour observed. • MW011D – some foaming observed. The Auditor observed hydrocarbon odour in the vicinity of the UST excavations (Unexpected finds) in the northwest corner of the site during the site visit completed in

Title	Details
	October 2024. Odours were observed at the fill/natural interface during drilling of additional monitoring well MW29 in November 2024.
Presence of Any Stockpiled Material, Imported Soil or Fill Material:	Review of the historical aerial photographs observed soil stockpiles in the northwest corner of the site in 2014-2015 and in 2018 after the site structures had been demolished. The Auditor observed various stockpiles on site during remediation works. Stockpiles of imported VENM were visible at the final site inspection in November 2025, and were being spread to achieve development levels required at handover.
Assessment of Soil Loss or Deposition that has Occurred in the Past and Evaluation of the Future Erosion Potential:	The consultant does not discuss an assessment of soil loss or deposition. Given that the site was primarily paved prior to remediation, the past potential for soil loss / erosion is considered to be low.
Surface Water Bodies and drainage, -off and Identification of Ponding Areas:	There are no surface water bodies present at the site. Surface water is expected to drain to the local stormwater infrastructure or infiltrate into soil and flow with regional topography to the north-northeast discharging to the nearest surface water body. DP (2018a) indicated the difficulty in ascertaining the discharge point due to the railway corridor cutting, and the site being located on a ridge. Potential discharge points may include Scott Creek (located 1.7 km northeast) or Castle Cove (3.6 km located east), as reported by DP (2018a) or Swaines Creek (located 2 km northwest), as reported by PPK (2002). Ponding of rainwater was observed on the site in deep excavations in review of site aerial imagery and by site Auditor during site visits.
Surface Water and Groundwater Use Onsite:	As stated above, the temporary treatment of water from the groundwater sump on the dive site was observed by the auditor during the 2020 site visit. Otherwise, the consultant does not comment on the use of surface water or groundwater at this site.
Evidence of Possible Naturally Occurring Contaminants:	The Auditor's review of the NSW Department of Planning, Industry & Environment online map of the Naturally Occurring Asbestos in NSW indicates the site is not located in an area with known naturally occurring asbestos.
Identification of Environmentally Sensitive or Significant Features or Habitats:	No environmentally sensitive or significant features/habitats were identified within close proximity of the site. The closest surface water receptors include Scott Creek located 1.7 km northeast, Swaines creek, located 2 km northwest or Castle Cove is located 3.6 km east of the site.
Evidence Chemical Substances Have Migrated or are Likely to Have Migrated:	GHD (2020) identified that a potential contamination risk at this site included the leaching of contaminants from soil to groundwater, and lateral migration with groundwater; however, it was considered that during development of the neighbouring dive site, this would have been captured by the groundwater sump. PFAS and petroleum hydrocarbon compounds exceeding health based and ecological criteria were identified during the NP (2021a) data gap investigations. However no corresponding off-site groundwater data was available to assess the potential for contaminants to have crossed the site boundary, but the previously inferred northeast groundwater flow direction suggested the possibility. The groundwater flow direction and contaminant distribution suggest that PFAS was flowing onto the site from upgradient, and groundwater monitoring close to the northern boundary indicated a low potential for petroleum hydrocarbons to be migrating offsite at concentrations that would realistically reach a receptor whilst exceeding the guidelines.
Differences between Current Site Condition and Site History:	At the time of the site audit, the onsite warehouse had been demolished and the concrete removal and soi remediation, excavation works were almost complete. The former Caltex service station operated in the northwest portion of the site between 1970 and 2004 and was decommissioned in 2005. A motor services garage operated between 1950 and 1991.

3.2 Geology, Hydrogeology and Hydrology

The geology, hydrogeology and hydrology are summarised in this section. This information has been sourced from the reports listed in Section 1.4.

Table 3.2 Subsurface Conditions

Title	Details
Geology and Soil Conditions:	The audit site is underlain by black to dark grey shale and laminate of Ashfield Shale from the Triassic Wianamatta group (NP, 2021). Test pit/bore logs from previous investigations at the site indicate clay and weathered shale overlies the shale/sandstone bedrock. PPK (2002) reported weathered clay being visible to the full depth of cutting (5 m to 7 m deep) at the railway corridor east of the stie. Filling of varying thickness is expected to overlie clay at the remediated portions of the audit site, including a shallow fill across the site (associated with Sydney Metro site establishment).
Acid Sulfate Soils:	The Australian Soil Classification Soil Type Map of NSW (2021) does not identify a potential for acid sulfate soils at this site.
Logs/Soil Classification Method:	Borehole/test pit logs and well construction logs are reproduced in Appendix B. Soil classification was in accordance with unified soil classification system/Australian Standard AS2870-2011.
Site-specific Geology Conditions:	Based on the review of available test pit/bore logs and historical site information, the previous SAR (Geosyntec, 2021) provides the following review of site-specific geology at the site (prior to bulk earthworks): • Concrete/Asphalt: From surface to approximately 0.2 mbgl (at some locations) with a second layer of pavement (i.e. surface cover pre-TSE establishment) likely to encountered below the fill; • Road base: Sandy gravel (beneath the paved area); • Fill: Yellow to brown sand/gravels (generally 0.5 m thick but could extend to 4.5 mbgl in the former remediation areas); • Clay: Grey to brown-red mottled brown clay/sandy-silty clay, with some ironstone gravels (below fill up to 9 mbgl); and • Bedrock: Grey to red shale (below clay to depth of up to 18 mbgl, followed by grey silty sandstone with bands of clay, as indicated by the lithology encountered in the off-site groundwater bores in the region. Anthropogenic inclusions comprising fly ash, fragments of asbestos containing material (ACM), glass, metal, terracotta and brick pieces were reported in fill at multiple locations within the site during previous investigations. Soil impacted with bonded ACM fragments are buried in the northwest portion of the site (beneath the southern portion of the former Caltex service station and the former MLP premises).
Hydrogeology:	The hydrogeology on site, according to regional plans in Lotsearch (2020) (within GHD, 2020a), is characterised by extensive, porous aquifers of low to moderate productivity. Groundwater may potentially discharge into Scotts Creek, approximately 1.7 km northeast of the site before flowing into Castle Cove, approximately 3.7 km east of the site. NP (2021) identify two water bearing zones at the site: • An intermittent shallow, semi-confined or perched aquifer at approximately 5 mbgl with water levels approximately 3-4 mbgl. The source of water in this zone was inferred to be from rainfall recharge that was perched in the low permeability clay profile. • A deeper confined or semi-confined aquifer within clay/weathered shale with some gravel and/or silt at approximately 12 – 14.5 mbgl. This water-bearing zone was typically overlain by approximately 6.5 m of low permeability clay. NP (2021) report that the deeper groundwater flow direction was inferred to flow across the site was typically towards the north-east during their Stage 1 monitoring event. In contrast, groundwater gauging conducted during their Stage 2 indicated that groundwater flow was generally towards the north-west. The NP (2021) Data Gap Investigation reported a number of potential factors behind the change in hydrogeological conditions have been identified in the, including seasonal changes with significantly higher rainfall levels experienced prior to Stage 1 when compared to Stage 2, and the impact of the tunnel construction, specifically the recovery of groundwater conditions following the completion of tunnel construction/boring. ENVIRON (2015) and GHD (2020) considered both water bearing zones as one hydrogeological unit in consideration of the similarity in the hydrogeological parameters listed below (which the Auditor considers appropriate):

Title	Details
	• Stablished standing water level (SWL) of groundwater in the shallow and deep monitoring wells were in a range of 2 m to 4 mbgl. • Hydraulic conductivity of the perched zone ranged from 0.04 m/day to 0.017 m/day, and the deeper formation was 0.001 m/day. • pH ranged from 4.08 to 6.21, electrical conductivity from 72 to 1,490 μS/cm and the dissolved oxygen from 0.22 mg/L to 3.21 mg/L in the perched and the deeper groundwater.
Use of Water Abstraction:	Based on the groundwater bore search completed by GHD (2020), 23 registered bores (16 on site and seven off-site) were present within a 500 m radial distance from the site. Two offsite bores, installed to 396 mbgl and 464 mbgl, respectively, and registered for recreational purposes, are located approximately 400 m to 470 m north in Chatswood Park. The remaining on-and off-site bores are registered for monitoring purposes. All on-site monitoring bores are assumed destroyed by the Sydney Metro construction activities.
Summary of Monitoring Wells:	Summary of wells onsite is as follows:

Well ID	Well depth (mbgl)	Screened depth (mbgl)	Screened lithology	SWL Oct 2020 (mTOC)	Relative level date Oct 2020 (mAHD)
MW04	14.4	11.3-14.4	CLAY	8.484	94.882
MW06	14.5	10.5-14.5	CLAY	2.279	100.994
MW09	13.8	10.7-13.8	CLAY	3.361	100.756
MW11	13.5	10.5-13.5	CLAY	2.775	100.68
MW13	14.8	11.8-14.8	CLAY	2.442	100.826
MW17	15.0	12.0-15.0	CLAY	Destroyed	Destroyed
MW18	14.5	10.5-14.5	CLAY	2.611	100.548
MW22	17.5	13.0-17.5	CLAY	5.708	97.25
MW24	15.0	12.0-15.0	CLAY	Destroyed	Destroyed
MW101D	Data not available			3.809	99.524
MW25	15.0	12.0-15.0	CLAY	4.157	99.513
MW26	15.0	12.0-15.0	CLAY	2.996	100.496
MW27	15.0	12.0-15.0	CLAY/SED ROCK	7.111	96.208
MW28	15.0	12.0-15.0	CLAY/SED ROCK	6.013	97.264

Current & Future Beneficial Uses of Aquifer:	GHD's 2020 search identified two offsite bores registered for recreational purposes. No bores registered for drinking water purposes are identified. Given the relatively low yield of the aquifer, that the site is located in a built up residential/commercial area with an established reticulation system, it is not foreseen that groundwater will be accessed for beneficial use in the future.
Potential Groundwater/Surface Water Receptors and Preferential Water Courses:	The closest surface water receptors include Scott Creek located 1.7 km northeast, Swaines creek, located 2 km northwest or Castle Cove is located 3.6 km east of the site.
Background Water Quality:	No background water quality data were provided.

3.3 Site History

The site history is summarised in this section. This information has been sourced from the reports listed in Section 1.4:

Table 3.3: Site History

Title	Details
Summary of Previous Land Use:	At the initiation of the audit, the site was occupied by Sydney Metro for construction activities associated with the Sydney Metro dive portion: • Central portion (Former Ausgrid depot) - The site was occupied by the tunnel and station excavation (TSE) contractor. A vast majority of structures had been demolished, and the area was used for storage of construction equipment and partially occupied by the building over the Metro dive / tunnel portal. • Northwest portion (Former Caltex service and Master Lease Property (MLP) site) – the site was occupied by the TSE Contractor. A layer of clean fill had been placed over the hardstand surface of the carpark, and established additional concrete slabs, buildings and other infrastructure on top of this layer of clean fill. • Southwest portion (Former retail area) – This area of the site was occupied by TSE and was used for temporary offices and storage.
Historical Title Search:	The Section B Audit Report presents a summary of the historical business directories (1950s to 1991) for the site and surrounding areas, and information presented in PPK (2002) and Golder (2009b): Northwest portion of the site • Lot 3/DP 455907 and Lot 1/DP 537580: Former Caltex service station operated between 1970 and 2004 and decommissioned in 2005. • Lot 3/DP 455907: Motor services/garage/dealer/auto electrician operated between 1950 and 1991. • Lot1/DP 503447 and Lot 3/DP 961402: MLP Office. • West of Lot 3/DP 961402: Microfilm services (operated in 1975), and engineering consultancies, insurance brokers, advertising agencies, commercial and industrial artists, computer services and consulting (operated between 1795 and 1991). • West of Lot 1/DP 5030447: Retail children's wear and furniture operated between 1950 and 1986, builders and contractors, and carpet and floor covering planners operated between 1970 and 1978. • West of Lot 1/DP 537580: A veterinary hospital operated between 1950s and 1961. Southwest portion of the site: • West of Lot 6/DP 72759: Electrical services, light fittings and specialists operated between 1965 and 1991. • Southwest of Lot 1/DP 508715: Cabinet makers, furniture supplies and manufacturers operated in 1950, and various retail stores (electrical supplies, cycling, drapers, kitchenware, furniture, grocers, hardware and ironmongers, hairdresser and tobacconists, jeweller, booksellers, chemist) operated between 1950 and 1968. • Southwest of Lot 1/DP 204133: Dealers – delicatessen, grocer, chemist, hairdresser operated between 1950 and 1975. • West of Lot1/DP 216408: Manufacturers – door, joinery and window frame operated in 1950. Remaining portion of the site: • Ausgrid (former EA) acquired Lot 2/DP 221896 portion of the site between 1954 and 2016 and operated the following facilities: - Sub-station transformer workshop, storage area and office and fuel storage/refuelling area within southern portions of Lot 2/DP 221896 (the Auditor notes that a portion of fuel storage and associated infrastructure extends east into the current TSE site). - A TQC building and associated storage area in the north-eastern portion of the Lot 2/DP 221896 (the Auditor notes that part of the TQC building extend further east into the current TSE site). - Vehicle inspection warehouse within the south-eastern portion of the Lot 2/DP221986 (which is located in the current TSE site).

Title	Details
	• A heritage listed building (Mowbray House), located between the workshop and fuel storage area, was used as a School of Arts from 1875 and later as Council chambers in 1879, and then used as Chatswood Preparatory School from 1906 until 1954.
Review of Historical Aerial and Site Photography:	The Section B Audit Report presents GHD (2020) summary of historical aerial photographs/historical maps of the site, between 1917 and 2019: • 1917: The site and surrounding area were mostly vacant, except for sparse residential development along the western and northern boundaries and a railway line along the eastern boundary. • 1936–1956: Progressive residential development evident in the western half and the southern portions of the site. Bryson Street constructed from the western-central portion to centre of the site. The northeast portion of the site was vacant at least until 1956. • 1961: A large commercial building (building configuration indicative of total quality centre (TQC) and associated storage facility of the EA depot) had been constructed in the vacant northeast portion of the site. A tennis court had been added adjacent west of the Mowbray House in the southern portion of the site. Residential buildings in the southeast corner of the site had been replaced with a single new building. • 1965: Residential buildings and a tennis court in the central-southern portion of the site had been replaced with two warehouse type buildings (building configuration indicative of substation transformer workshop and office building of the EA Depot), with the space between two buildings used as a car park. Bryson Street had been extended further east towards the railway corridor. • 1970-1982: The residential buildings in the western perimeter and the central-north portions of the site were progressively replaced by new commercial developments, including a paved car in the central portion of the site (building configurations in the northwest portion of the site indicative of former Caltex service station and former MLP, and those in the southwest perimeter indicative of retail furniture shops. • 1991-2007: The site remained relatively unchanged, other than the exception of commercial premises in the northwest corner had been demolished by 2007. • 2014-2015: Three commercial buildings in the central-north portion of the site had been removed and replaced with a large, paved car park. Some soil stockpiles noted in the north-west corner of the site. • 2018: Except for Mowbray House and a transformer workshop in the southern portion of the site, the remaining site structures had been demolished. Multiple soil stockpiles and construction equipment noted. Site appeared to have been filled by imported fill material as part of Sydney Metro site establishment. • 2019-2020: The site had been developed into present day configurations, with two buildings associated with Sydney Metro TSE constructed in the eastern and northern portions of the site. The Mowbray House and the transformer workshop remained on site. An additional building (likely to be temporary site office for TSE works) had been constructed adjacent west of the transformer workshop. The site surface is concrete paved. Observations of available imagery since the Section B Audit was completed are as follows: • 2020-mid 2022: The site appears relatively unchanged. • 2022- early2024: The building and site structures are undergoing dismantling and demolition works. • 2024: remediation works, excavation and stockpiling works, are progressing across the site.
Details, Charts, Diagrams of Previous Buildings and Site Structures, Historical Site Layout Plans & Historical Site Photographs:	Figures in Appendix A provide a previous site layout.
Description of Historical Manufacturing / Industrial Processes and Location, including Transfer Lines:	GHD (2020) provide a summary of the historical business directory. Cabinet makers, furniture supplies and manufactures, and manufactures of doors, joinery and window frames were identified to operate in the southwest portion of the site in 1950.

Title	Details
Historical Discharges to Land, Air & Water, Including Spill and Loss:	The consultant's do not specify any historical discharges to land, air or water known to have occurred at the site.
Historical Sewer & Services Plans:	Historical sewer and services plans were not provided. A sewer main was suspected to be located near to former UST tanks UST 5 and UST 6.
Earthmoving Activities Carried out on Site:	TSE imported a layer of clean fill over the hardstand surface of the carpark, and established additional concrete slabs, buildings and other infrastructure on top of this layer of clean fill in 2018. Significant earthmoving activities occurred at the site as part of recent remediation and validation works (2024).
Previous & Current Offsite Land Uses with Potentially Contaminating Activities:	A number of commercial and industrial premises were identified within a 100 m radius of the site between 1950 and 1991, with the following off-site premises considered relevant to the site from contamination perspectives: • Motor and tyre services located south to southwest of the site. • Operational Caltex service station located west across Pacific Highway. • Insecticide manufacturers and pest control located west of Pacific Highway between 1970 and 1991. • Motor service and service station, dry cleaners and laundry located north to northwest of the site.
Complaint History:	The consultant's do not provide a complaint history report.
EPA Records:	• A search of the Contaminated Lands Register for notices identified NSW EPA listed the former Caltex service station (northwest portion of the audit site) with eight notices previously issued to this premises under the CLM Act 1997. Remediation/validation of this portion of the site was previously audited by ENVIRON (2015) and approved by NSW EPA. The VMP was completed on 3 April 2014. • A search of the public register under Section 308 of the PoEO Act 1997 did not identify any licences referring to the site • The public register under Section 60 of the CLM Act 1997, categorises the former Caltex Chatswood Service Station as "Contamination formerly regulated under the CLM Act. The Auditor has checked on 14 February 2025 that the above information was accurate at the time of preparation of this audit report. The Section B Audit, identified the following six premises located within a 750 m distance from the site also identified in the in NSW EPA's Contaminated Site Register as of 9 October 2025: • Site currently not regulated under the CLM Act 1997: - Caltex service station located approximately 25 m west of the site at 572 Pacific Highway, Chatswood, which has no current or former notice issued by the NSW EPA. - Auto repairs (service station) located approximately 490 m northeast of the site at 2 Devonshire Street, Chatswood, which has no current or former notice issued by the NSW EPA. - 7-Elevern (former Mobil service station) located approximately 590 m south of the site at 477 Pacific Highway, Artarmon, which has no current or former notice issued by the NSW EPA. - Former Caltex service station located approximately 710 m southwest of the site at 428-432 Mowbray Road, Lane Cove North, which has four former notices issued by the NSW EPA. • Site currently regulated under the CLM Act 1997: - BP service station located approximately 725 m southwest of the site at 432 Pacific Highway, Lane Cove North, which is currently regulated and has two current notices issued by the NSW EPA under the CLM Act 1997. • Site previously regulated under the CLM Act 1997:

Title	Details
	- Chatswood Toyota located approximately 730 m north of the site at 728 Pacific Highway, Chatswood West, which was previously regulated and has six former notices issued by the NSW EPA under the CLM Act 1997.
Summary of Council Records:	The consultant's do not provide a summary of Council Records.
Other Licences, Approvals, Trade Waste Agreements:	No other licences, approvals or trade waste agreement details were provided.
SafeWork NSW Dangerous Goods Licenses/ USTs/ ASTs:	GHD (2020) refers to a Golder (2009) Review of Environmental Conditions report in which a Dangerous goods search was completed. Numerous ASTs and USTs were identified at the site. Nation Partners (2021) list six USTs in the former electricity depot portion. They understood the tanks to have been installed around 1960, including UST 1 to 4 and oil storage tanks 5 and 6 (Golder 2009). USTs 1 to 3 are understood to have been prior to remediation while UST 4 was decommissioned by being filled with concrete and remaining in-situ, in 1996 by Sydney Electricity. UST 5 and 6 were located near the transformer workshop and were decommissioned in-situ in 2014, filled with concrete. A former AST was recorded by Energy Australia in 1996, but no record of its removal was provided (GHD, 2020).
Local Literature:	No local literature data were provided.
Previous Land Use Potentially Associated with PFAS:	NP (2021) states that prior to their investigation, no sampling or analysis for PFAS had been conducted on the site. They refer to historical reports which indicated the presence of 'froth' during the removal of USTs adjacent to Mowbray House. AFFF may have been used onsite for firefighting purposes associated with historical fuel and oil storage. GHD (2020a) identifies photo processing as a historical site use for the dive site, and PFAS may have been associated with this activity. NP (2021) collected soil and groundwater samples and analysed for PFAS. A summary of results is presented in Section 7 of this Audit report.

3.4 Conceptual Site Model

The following table provides review of conceptual site model of the site.

Table 3.4: Conceptual Site Model

Item	Conceptual Site Model
Areas of Environmental Concern (AECs) and Contaminants of Potential Concentrations (COPCs):	The RAP Addendum (2023) provides the following (AECs) and COPCs:

AEC	Activity	COPCs
Entire Site	Uncontrolled Filling	heavy metals (M8), total recoverable hydrocarbons (TRH), polycyclic aromatic hydrocarbons (PAH), monocyclic aromatic hydrocarbons (BTEXN), organochlorine pesticides (OCP), phenol, polychlorinated biphenyls (PCB) and asbestos
TSE Filling in the area of the Former Caltex and MLP sites in 2014	VENM import	Unexpected finds
Former Energy depot in southwest portion – including transformer workshop area, USTs, vehicle workshop,	Residual contamination from refuelling	M8, TRH, BTEXN

Item	Conceptual Site Model		
	wash bay and oil storage tanks		
	Former Caltex Service Station	Residual contamination from refuelling	M8, TRH, BTEXN
	Former and existing site structures	Hazardous building materials	
	Chemical Storage at Former Total Quality Centre	Soils and/or Groundwater impact from waste solvents reagents or oils	TRH, BTEX, VOCs, metals, cyanide, phenols and PFAS
	Former Retail area	Soils and/or Groundwater	PAH, TRH, BTEX, asbestos
Potential Affected Media:	The consultant has considered the following media: • Soil • Soil vapour • Groundwater • Air Surface water and sediment were not considered as potentially affected media as there were no surface water features on or near to the site.		
Spatial and Temporal Variations:	Groundwater monitoring in the DGI (NP, 2021) identified temporal changes to the direction flow direction. Further investigation was required as part of the remedial plan. Soil vapour sampling was conducted during conservative conditions (low pressure, high temperatures).		
Current and Potential Exposure Source, Pathway and Receptors:	Section 4.1 in NP (2021) considers the following current and future receptors: • construction workers, contractors and site visitors during remediation. • Future commercial workers • Future residential occupants • Future maintenance workers • Future ecological receptors in potential public open space parkland areas. • Nearby groundwater bores, streams rivers or GDEs Section 4.1 in NP ((2021) provides considers the following potentially complete exposure pathways: • Dermal contact / ingestion of impacted soil • Groundwater use or consumption • Dust or fibre inhalation • Inhalation of soil and or groundwater derived vapours in indoor air. • Inhalation of asbestos fibres		
Data Gaps:	The DGI (NP, 2021) identified the data gaps in relation to SPR links to be addressed as part of the remedial program: 1. the potential for shallow groundwater to be present in significant quantities. 2. deep groundwater flow directions and levels, groundwater contamination, and the extent of natural attenuation. 3. the potential for PFAS in shallow groundwater and identification of its source. 4. the potential for fill across the site to be impacted by asbestos. 5. the footprint of the former energy depot buildings not having previously investigated. 6. the preliminary nature of the waste classifications.		

3.5 Auditor Discussion

The information required by NSW EPA (2020a), regarding site condition and history, geology, hydrology and hydrogeology, has been provided, and is consistent with the Auditor's understanding of the site area. Where possible, the Auditor conducted verification of available publicly available information and the information provided by the consultants.

The following information was not provided but not considered to affect the outcome of the Audit:

- Details relating to former site structures
- Soil Parameters
- Soil map summary
- Regional hydrogeology
- Complaint history
- Council Records
- Local literature

It is noted some reports were prepared based on the OEH (2011) guidelines and have been reviewed accordingly. Those items not provided are listed above but their omission is not considered to affect the conclusions of this audit.

Historical investigations did not consider for the potential of per- and poly-fluoroalkyl substances (PFAS). NP (2021) consider the potential for PFAS in shallow groundwater. It was detected at concentrations above the drinking water and ecological freshwater criteria in numerous wells, with particular impacts observed in the upgradient southwestern portion of the site. NP (2021) identify that the source of PFAS to be confirmed as a data gap pre-remediation.

The Auditor concurs with the consultant that the COPC identified for the site are those listed above and are therefore appropriate for the purposes of this audit. The identified data gaps were to be addressed as part of the remediation process and related investigations or validation works:

4 Summary of Site Investigation

4.1 Summary of Historical Investigations

Numerous environmental investigations have been conducted at the site since 1995. Section 1.4 lists historical reports, primarily related to the former Caltex petrol station in the northwest portion of the site. The following presents the high-level summary of the previous investigations, as presented in the Section B site audit report:

- light non-aqueous phase liquid (LNAPL) was detected in the basement of the MLP building in 1995. Investigations identified the source to be leaks from the underground petroleum storage system (UPSS) at the former Caltex site. Several investigations were completed to confirm the source of petroleum hydrocarbon impact in soil and groundwater in the northwest portion of the site but also confirmed impact of petroleum hydrocarbons from UPSS in the EA depot.
- The Caltex site was decommissioned in 2005. Six USTs and a waste oil tank were removed. The post remediation monitoring reported the elevated concentrations in soil, groundwater and soil vapour. A risk assessment concluded that the former petrol station is unlikely to pose a risk via vapour intrusion and dermal contact to human health from a commercial land use perspective.
- Further excavation of the soils in the former Caltex MLP premises was completed and validated in 2014 and further groundwater monitoring conducted. The contamination was subject to a site audit statement concluding the remediated land was suitable for commercial land use.
- Three UPSS in the southern portion of EA depot were removed in 1996 and the pits validated to commercial land use. A fourth tank was decommissioned in-situ
- Two UPSS located to the south of the substation transformer workshop were decommissioned in situ. Heavy fraction hydrocarbon impacted soils exceeding residential land use criteria remained at this location.
- Fill impacted with bonded asbestos, fly ash, bricks terracotta, glass, metals was previously reported. An exposed asbestos pipe was reported by Ramboll (2018) and a fragment of ACM was reported on a garden bed at the TSE site (DP, 2018). The ACM impacted fill excavated from the Caltex/MLP site in 2014 was capped and contained on the site, requiring further management with implementation of a site management plan.
- Asbestos was identified in the building structures in the hazardous building material survey by SKM and NNA in 2012. The site buildings were demolished as part of the Sydney Metro site establishment. It is not known if the site surface was validated for asbestos post building demolition
- Chlorinated hydrocarbons were reported in groundwater at monitoring events completed between 2014 and 2016. 1,2,3 trichlorobenzene and 1,1-dichlorothene reported above the criteria, source and extent of chlorinated hydrocarbon impact was yet to be characterised.
- Limited data was completed in the former retail/furniture store in the southwest portion of the site.

4.2 Summary of Pre Remediation Investigation Works

The table below provides a summary of the investigation works that have taken place at the site since the Section B audit was issued.

Table 4.1: Summary of Pre-Remediation Works Completed

Date	Report Objectives, Scope and Outcomes
NP April 2021 Data Gap Investigation Report	The data gap investigation (DGI) was completed to close out data gaps identified by GHD in their historical reporting review, and further gaps identified by Nation Partners. NP identify the key findings of the DGI were: • Soil sampling identified exceedances of the adopted human health investigation levels (HILs) for benzo(a)pyrene (BaP), lead, PAHs and TRH; and of the ecological investigation levels (EILs) for BaP and zinc. • Most soil exceedances were reported within fill materials and mainly within the western portion of the site, with only three exceedances recorded in natural soils. • Groundwater sampling identified exceedances of the adopted human HILs for arsenic, BaP, benzene, lead and PFAS; and of the adopted EILs for copper, lead, mercury, nickel, PFAS and zinc. • Groundwater in the south-west and south-east portions of the site was typically impacted by PFAS whilst benzene impacted groundwater was encountered near the north-western boundary of the site. • Passive soil vapour (PSV) sampling identified that whilst historically elevated levels of tetrachloroethene in soil vapour at former vapour monitoring location V01 had been reported, no exceedances of investigation levels were identified. • Based on the concentrations of PFAS observed, and the inferred groundwater flow direction for the site, the potential for PFAS to be migrating onto the site via groundwater from an off-site source could not be discounted, although further data was required to identify specific PFAS sources. It was noted that the presence of PFAS in groundwater poses a potential risk to human and ecological receptors during construction and ongoing operation of future basements if the basements are deep enough to interact with groundwater. • Potential pathways for the migration and ingress of groundwater and vapour from surrounding in-situ material into potential future basements were assessed as part of this investigation. Concentrations of TRH and BTEX were either below the adopted investigation levels for vapour intrusion; or exceedances were located and delineated such that impacted material would be excavated for the construction of the future basements.
NP March 2024 Pre-Remediation Investigation – Groundwater Factual Letter	The stated objective of the investigation was to collect data that would inform the data gaps remaining from prior investigations: • Data Gap 1 – there is the potential for shallow groundwater impacted by per- and poly-fluoroalkyl substances (PFAS) to be present. Investigation of the likelihood for shallow groundwater is required, in addition to an assessment of potential exposure risk during site works (if present). • Data Gap 2 – there is uncertainty regarding the groundwater flow direction of deep groundwater, and natural attenuation potential of metals and petroleum hydrocarbon. The investigation was completed between September 2023 and February 2024, noting works were paused between November and February due to demolition of above ground site structures. The scope of work included: • Purge four existing shallow groundwater monitoring wells and conduct two rounds of sampling of shallow groundwater monitoring wells, and analysis of the samples for PFAS short suite. • Re-develop and sample fourteen existing deep groundwater monitoring wells, with analysis for metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and monitored natural attenuation parameters, noting two wells had been destroyed and could not be monitored as part of this assessment. • Conduct a second round of sampling of deep groundwater monitoring wells to inform the extent of potential biodegradation of contaminants. Monitoring of the shallow wells indicated that sufficient groundwater was present to be considered a perched aquifer rather than intermittent storage. Sampling confirmed that the perched groundwater is impacted with PFAS, exceeding the adopted recreational criteria. Accordingly, NP stated that PFAS-specific controls for managing accumulated groundwater in shallow excavations are required to be developed and implemented by the remediation contractor. Groundwater flow was inferred to be in a northwest direction. The difference in flow direction may be influenced by seasonal changes with significantly higher rainfall experienced prior to Stage 1 than Stage 2, impacts of the tunnel construction and presence of the Metro dive to the southeast. Additionally, groundwater sampling suggests that natural attenuation through biodegradation was occurring within the shale aquifer on site.

Date	Report Objectives, Scope and Outcomes
NP July 2024 Pre-Remediation Investigation (PRI) Report Chatswood Site Ref: Chatswood PRI Repor_Draftv1.0	The objectives of the PRI were to collect information to inform data gaps remaining from prior investigations and resulting from the proposed remediation works: Data Gap 1 – PFAS in Shallow Groundwater - There is the potential for shallow groundwater impacted by per- and poly-fluoroalkyl substances (PFAS) to be present. Investigation of the likelihood of shallow groundwater was required, in addition to an assessment of potential exposure risk to site workers (if present). Data Gap 2 – Deep Groundwater - There was uncertainty regarding the flow direction of deep groundwater, and natural attenuation of heavy metal and hydrocarbon impacts. Data Gap 3 – Waste Classification - Waste classification conducted as part of the DGI was preliminary and did not provide a sufficient sampling density to achieve assurance. Additional in-situ waste classification sampling was required to refine the waste classifications. Data Gap 4 – Asbestos Containing Material - Asbestos containing material (ACM) has previously been reported in the fill soils at the site, however the entire site had not been investigated in a sufficient manner to determine the potential wide-spread presence of ACM or friable asbestos/asbestos fines (FA/AF). Data Gap 5 – Former Energy Depot Footprint - The footprint of the former energy depot building footprint had not been previously investigated. The works related to the PRI were completed between September and February 2024. **SOIL:** A summary of the general soil conditions encountered is provided below. Northeastern portion of site TP09-TP20: 0.0 to 0.2-0.3 Concrete FILL 0.2-0.3 to 0.9-1.8 FILL: Sandy reworked clay of low plasticity, red/grey mottling, moist and containing some coarse angular gravels. 1.3-2.0 Natural CLAY: High plasticity, stiff, orange and moist. Northwestern portion of site TP21-TP27: 0.0 to 0.2-0.3 Concrete FILL 0.2-0.3 to 1.2-2.0 FILL: Sandy reworked clay of low plasticity, red/grey mottling, moist and containing some coarse angular gravels. 1.2-2.0 to 2.0 Natural CLAY: High plasticity, stiff, orange and moist Southern portion of the site TP01-TP08 and TP28-TP46: 0.0 to 0.15-0.25 Concrete FILL 0.15-0.25 to 0.4-0.8 FILL: Silty sand, dark grey/brown, with some silt and dry. 0.4-0.8 to 2.0 Natural CLAY: High plasticity, stiff, orange and moist. • No olfactory signs of contamination were observed, although an asphalt layer was observed at 0.8 mbgl in TP09. • Within the energy depot, soil analytical results were below the adopted human health and ecological criteria, except for lead in TP40_0.2–0.3 m (720 mg/kg) and TP41_0.7–0.8 m (410 mg/kg), which exceeded the HIL-A criterion (300 mg/kg). • Within the broader site, soil analytical results were below human health and ecological criteria except for: - Lead at TP01_0.3–0.4 m (430 mg/kg) and TP28_1.0–1.1 m (1,200 mg/kg), exceeding HIL-A (300 mg/kg) - B(a)P TEQ in TP33_0.4-0.6 m (18 mg/kg), exceeding HIL-A (3 mg/kg) - TRH >C16-C34 (F3) in TP23_0.6–0.7 m (530 mg/kg) and TP33_0.4–0.6 m (510 mg/kg), exceeding the F3 ESL for coarse soil (300 mg/kg) - B(a)P in TP23_0.6–0.7 m (1.4 mg/kg) and TP33_0.4–0.6 m (12 mg/kg), exceeding the ESL (0.7 mg/kg). • Asbestos was identified in soils: 64 x 10 kg bulk samples were collected and submitted for analysis. Sieving of soil to 7 mm for ACM determination was conducted at the laboratory. - Fragments of ACM were identified in 7 samples, with 4 exceeding the HSL-A criterion (0.01% w/w). - 70 soil grab samples (500 mL) were submitted for asbestos identification in soil. AF/FA were identified in 3 samples, with the concentration in 1 sample exceeding the HSL-A criterion (0.001% w/w). - 3 suspected ACM fragments submitted for asbestos analysis. Each fragment was confirmed to contain asbestos, with the fragment weight being such that, if gravimetric analysis were conducted, the HSL criterion would be exceeded.

Date	Report Objectives, Scope and Outcomes

- For waste classification, all samples were within the CT1 thresholds except for several exceedances for lead, nickel and BaP, including some exceedances of CT2 criteria (lead and BaP). TCLP was conducted on the samples with CT1 and CT2 exceedances and all results were below the SCC1 and TCLP 1 criteria, except for BaP in TP33_0.4-0.6. NP attributed the source of the BaP to asphalt bituminous material present in the sample that therefore pre-classified it as GSW.

GROUNDWATER:

- Shallow wells:
  - PFHxS and PFOS exceedances were reported above drinking water criterion, PFOS concentrations exceeded the 95% freshwater species protection criterion and the 99% freshwater species protection criterion at various locations.
- Deep groundwater
  - Benzene exceeded the drinking water criterion, Sum of PFHxS and PFOS exceeded the drinking water criterion, PFOS exceeded the 95% freshwater species protection criterion (0.13 µg/L) and PFOS exceeded the 99% freshwater species protection criterion at various locations
  - Nickel, lead, mercury, copper and zinc were reported above freshwater ecological criteria at most locations during both monitoring rounds.

NP addressed the five data gaps as follows:

- Data Gap 1 – PFAS in Shallow Groundwater: Mann Kendall analysis was completed to assess PFHxS and PFOS trends in groundwater. While acknowledging the small dataset, the analysis provided an indication of stable PFAS concentrations across the 3-to-5-year period in SRT-MW013S and SRT-MW101S, no trend for SRT-MW011S, and an increasing trend for SRT-MW009. Since this location is considered to be upgradient, NP concluded that this may indicate an upgradient offsite source. The maximum sum of PFHxS and PFOS concentration reported in shallow groundwater is four times below the recreational level, and on this basis is considered a low risk to potential future site workers who may come in direct contact with shallow groundwater. The presence of PFAS in perched groundwater should be considered during remediation works with respect to the management of any groundwater seeping into excavations.
- Data Gap 2 – Deep Groundwater Flow Direction: The groundwater flow direction was showing a northeast to southwest groundwater divide, with a groundwater flow northwest towards Land Cove River in the northern half of the site and southeast towards the Sydney Metro dive site in the southern half (where the excavation depths of ~85 m AHD). NP considered that the data collected has provided a sufficient understanding of groundwater conditions and the absence of complete SPR linkages, and data gaps in relation to deep groundwater have been addressed.
- Data Gap 3 – Deep Groundwater Natural Attenuation: Mann Kendall analysis of benzene concentrations at four locations was completed. Acknowledging a small data set, the benzene concentrations at SRT-MW004 and SRT-MW013 were found to be stable, and concentrations at SRT-MW018 and SRT-MW028 showed no trend (although noted to have respectively reduced from 66 µg/L to < LOR and from 450 µg/L to 24 µg/L). Elevated benzene concentrations were previously reported in the northwest portion of the site and have considerably decreased over time. Natural attenuation indicators were also monitored, including dissolved oxygen, redox potential, nitrate, ferrous iron, sulphate and methane which support evidence that natural attenuation is occurring.
- Data Gap 4
  - Waste Classification: With a total of 46 test pits across the site, a satisfactory sampling density has been achieved. Waste classifications have been completed with parts of the site preliminary classified as GSW or GSW special waste asbestos.
  - Asbestos Containing Material: the additional asbestos investigation identified asbestos fragments, AF/FA and ACM fragments at the site.
- Data Gap 5 – Former Energy Depot Footprint: Seven test pits were excavated in the area to close this data gap. Soil results reported exceedances of the human health criterion for lead at two locations and identified the presence of asbestos at two locations.

Required changes to the conceptual model include:

- Lead exceedances of HIL-A were identified within the former Ausgrid depot footprint. The SPR linkage was considered to be potentially complete and thus the remediation extent should be expanded.
- Asbestos was identified within the former Ausgrid depot footprint. The SPR linkage was considered to be potentially complete and thus the remediation extent should be expanded.
- Groundwater flow was considered to be largely consistent with the DGI. With potential abstraction of shallow groundwater containing PFAS being a potentially complete exposure

Date	Report Objectives, Scope and Outcomes
	pathway, management will be required during remediation works through the construction environmental management plan. • Asbestos was identified in the Caltex service station area. This SPR linkage is complete for workers during redevelopment and remediation of asbestos is required in accordance with the RAP.

4.3 Auditor Discussion

The following chapters of this audit report contain details relevant to the site to the extent information is available, as well as subsequent remediation and validation works.

The Auditor considers the works completed, followed an iterative process, when considering the data set as a whole, collecting information to characterise the contamination on the site and then providing a remedial approach to render the site suitable for all land uses.

5 Sampling and Analysis Plan

This section provides a summary of the review of the sampling and analysis plan and associated methodologies adopted by NP for the investigation and validation works conducted at the site. This information has been sourced from the documents presented in Section 1.4. Detailed review is provided in Table E1 in Appendix E.

5.1 Auditor Discussion

Sufficient information required by NSW EPA (2020a) related to the sampling and analysis plan and associated methodologies, has been provided to enable appropriate conclusions to be drawn for all investigations characterising the site. The Auditor considers that the information is appropriate given the conceptual model for the site.

Further Auditor comments and request for clarification on the NP's reports are provided in the Interim Advice correspondence presented in Appendix B

The NSW EPA (2017) requires that an Auditor must check key requirements of the sampling and analysis plan by the Consultant and therefore makes the following statements:

- The Auditor confirms that NP (2021b, 2024) included a general statement of the predetermined DQOs for field and laboratory procedures (including quantitative DQOs).
- The Auditor confirms that NP (2021b, 2024) included a plan to achieve pre-determined DQOs.
- The Auditor confirms that NP (2021b, 2024) included procedures to be conducted if the data did not meet the expected DQOs.

6 Evaluation of Site Criteria

6.1 Assessment Criteria for Soil

As the final site use had not been determined, NP considered the most conservative soil assessment criteria:

- NEPM (2013) HIL A for residential with garden/accessible soil (home grown produce <10% fruit and vegetable intake, (no poultry), also includes children's day care centres, preschools and primary schools.
- NEPM (2013) HSL A/B for low / high density residential land use.
- NEPM (2013) EIL for urban residential and public open space.
- NEPM (2013) HSL guidelines for asbestos.
- NEPM (2013) Management Limits for residential, parkland and public open space for a coarse soil.
- Site-specific EILs were calculated for the DGI (NP, 2021b) were adopted (as shown in Table 7.1).

6.2 Assessment Criteria for Groundwater

The assessment criteria used by the consultant included the following:

- NHMRC (2008) Guidelines for Managing Risks in Recreational Waters.
- NEPM (2013) Groundwater Investigation Levels (i.e. ANZG (2018) 95% LoP Fresh Water and low reliability trigger values).
- NEPM (2013) HSL A/B for volatile vapours in groundwater for sand and clay soils at 2-4m depth.
- Additionally, NP considered HSL-D (commercial/industrial) for silty soils at 2 to 4 m depth for basement scenarios.

6.3 Other Assessment Criteria

Where no Australia criterion is available, the limit of reporting (LOR) will be adopted as a preliminary screening criterion. Where the concentration exceeds the LOR, reference criteria will be selected from national and international guidance as appropriate to determine the significance or otherwise of the detected analyte.

6.4 Waste Classification

Waste classification was conducted in accordance with EPA (2014) Waste Classification Guidelines: Part 1: Classifying Waste.

6.5 Auditor Discussion

The adopted criteria are appropriate for the contaminants of concern identified for the guidelines present at the time of reporting, the environmental setting for the site and the proposed future land use. While the

7 Assessment of Investigation Results

The results for all investigation phases completed at the site are summarised below. Refer to Appendix A and C for sample locations and analytical result summary tables.

7.1 Soil Analytical Results

Table 7.1 presents a summary of soil investigation results, compared against the most conservative land use (low-density residential).

The table considers results from the pre-remediation investigations discussed in Section 4.2 above.

Table 7.1: Summary of Pre-remediation Soil Results (mg/kg)

Constituents	Num. of Samples	Max Result	HIL A/ HSL A/B	EIL/ ESL[2]	ML[3]	No. Samples > Criteria (Exceedance)
Arsenic	136	35	100	100	-	0
Cadmium	136	0.9	20	-	-	0
Chromium (VI)	20	<0.1	100	410	-	0
Chromium (III+VI)	116	280	-	-	-	0
Copper	116	120	6000	230	-	0
Lead	136	1200	300	1100	-	9 (SRT-PT008_0.25=320; SRT-PT017_1.0=560; SRT-PT017_3.0=770;SRT-PT026_0.2=470; SRT-PT028_2.7=480; CPR_TP01_0.3-0.4=430;CPR_TP28_1.0-1.1=1200; CPR_TP40_0.2-0.3=720; CPR_TP41_0.7-0.8=410
Mercury	136	0.6	40	-	-	0
Nickel	136	160	400	230	-	0
Zinc	116	750	7400	540	-	1 (SRT-PT017_1.0=750)
F1 TRH C6-C10 less BTEX	137	160	40 (0-<1m) 65 (1<2m) 100 (2-<4m) 190 (4m+)	180	700	2(SRT-PT016_3.2=120; SRT-PT016_3.5=160)
F2 TRH >C10-C16 less Naphthalene	137	119.1	250 (0-<1m) NL (1m+)	120	1000	2 (SRT-PT016_3.5=119.1; SRT-PT013_14.4<500)
F3 TRH >C16-C34	137	2700	-	300	2500	11 Site wide
F4 TPH C34-C40	137	600	-	2800	10000	0
Benzene	138	2.4	0.6 (0-<1m) 0.7 (1<2m) 1 (2-<4m)	50	-	1(SRT-PT020_1.0=2.4)

Constituents	Num. of Samples	Max Result	HIL A/ HSL A/B	EIL/ ESL[2]	ML[3]	No. Samples > Criteria (Exceedance)
			2 (4m+)			
Toluene	138	7.8	390 (0-<1m) NL (1m+)	85	-	0
Ethylbenzene	138	1.8	NL all depths	70	-	0
Xylenes	138	13	95 (0-<1m) 210 (1-<2m) NL (2m+)	105	-	0
Naphthalene	137	1.1	4 (0-<1m) NL (1m+)	170	-	0
BaP TEQ	131	73	3	-	-	3 (SRT-PT017_1.0=73;SRT-PT017_3.0=9.6; CPR_TP33_0.4-0.6=18)
BaP	132	49	-	0.7	-	5 (SRT-PT008_0.25=1.4;SRT-PT009_0.6=1.5;SRT-PT017_1.0=49; CPR_TP23_0.6-0.7=1.4;CPR_TP33_0.4-0.6=12)
Total PAH	132	554.8	300	-	-	1(SRT-PT017_1.0=554.8)
PCB	38	<5	1	-	-	0
Phenol	20	20	3000	-	-	0
OCP (various)	52	<5	6-300	-	-	0
OPP (various)	20	<5	160	-	-	0
VOC (various)	54	1.1	<0.05-<0.5	-	-	2 (CPR_TP40_0.5-0.7=1.1; CPR_TP03_0.2-0.3= 0.7
PFOS + PFHxS	31	<0.005	0.01[5]	-	-	0
PFOA	31	<0.005	0.1[5]	10 (direct)[6]	-	0
PFOS	32	<0.005	-	0.01 (indirect)[6] 1 (direct)[6]		0
Bonded ACM (500mL sample)	103	0.0025	0.01%	-	-	0
Bonded ACM (10L sample)	64	0.02	0.01%	-	-	4>HSL A: (CPR_TP22_0.4-0.5=0.01%, CPR_TP23_1.8-1.9=0.01%, CPR_TP28_0.4-0.5=0.01%, CPR_TP40_0.2-0.3=0.01%

Constituents	Num. of Samples	Max Result	HIL A/ HSL A/B	EIL/ ESL[2]	ML[3]	No. Samples > Criteria (Exceedance)
FA and AF (500mL sample)[7]	94	0	0.001%	-	-	0
Asbestos identification	136	0	Not Detected	-	-	Detected at CPR_TP22_0.4-0.5, CPR_TP23_1.8-1.9, CPR_TP28_0.4-0.5, CPR_TP40_0.2-0.3, CPR_TP23_0.6-0.7, CPR_TP23_1.8-1.9, CPR_TP35_0.4-0.6P, CPR_TP41_0.4-0.5P, CPR_TP07_0.4-0.6P

Notes:
1 NEPM (2013) HIL A soil vapour intrusion for silty soil
2 NEPM (2013) EIL/ESL – Urban residential and open public space
3 NEPM (2013) Management limits Residential, parkland public open space, coarse soil
4 Laboratory results for TPH fractions determined prior to 2013 are different to those used in the NEPM (2013). However, older data has been compared to the NEPM (2013) criteria to assist in determining site suitability.
5 HEPA NEMP 2.0 (2020) health investigation level for residential Land Use
6 HEPA NEMP 2.0 (2020) ecological guideline value6
7 Reported in laboratory report, noting that this is conservative as AF and FA has been combined, and also noting that WA DoH (2019)/NEPM (2013) require FA to be collected from 10L sample.
Note that some ESL for TRH F2 applies for TRH >C10-C16 without subtraction of naphthalene, and ML for TRH F1 and TRH F2 apply for TRH C6-C10 and TRH >C10-C16 without subtraction of BTEX and naphthalene, respectively.
NL No Limit
- No guideline

7.1.1 Auditor Discussion on Soil Contamination Status

The Auditor considers that:

- The soil assessments generally confirmed the known areas of residual contamination, with some further delineation of contamination in some areas which were addressed as part of the pre-remediation investigation.
- The number of sampling locations meet the NSW EPA (2022) Sampling Design Guidelines, provided adequate site coverage as well as targeting areas of environmental concern.
- Representative samples have been collected from the fill and natural material.
- The contaminants of concern identified in the conceptual site model have been assessed.
- The data gaps identified at the conclusion of the Section B site audit were addressed in the subsequent pre-remediation investigations completed.
- ACM fragments and Asbestos Fines were identified in the fill containing construction demolition waste but also identified in other areas of the site.
- Lead and BaP concentrations exceeding the low-density residential Human-Health Investigation Level (HIL-A) criterion are present within the fill at select locations, requiring removal.

7.2 Groundwater Analytical Results

NP (2022) identified data gaps associated with groundwater:

- assess groundwater conditions including changes in flow directions and levels, groundwater contamination, and the extent of natural attenuation.

- Assess the potential for PFAS in shallow groundwater within remediation excavations and identify the specific sources of PFAS to understand potential SPR linkages associated with the abstraction of groundwater and future basement scenarios.

To address these gaps, NP completed additional monitoring rounds at the site. Table 7.2 presents a summary of pre-remediation groundwater results from 13 deep wells across four monitoring rounds (50 samples), with additional PFAS samples collected from four shallow wells.

Table 7.2: Summary of Pre-remediation Groundwater Results (µg/L)

Constituents	Num. of Samples	Fresh Water[1] (µg/L)	Marine Water[2] (µg/L)	NEPM (2013) HSL A/B[3] (µg/L)	NEPM (2013) Drinking Water[4] (µg/L)	Maximum Result (µg/L)	No. Samples > Criteria (Exceedance)
Arsenic	50	24/13[4]	-	-	10	19	1 (SRT-MW022_7/10/2020 = 19)
Cadmium	50	0.2	0.7	-	2	<0.2	0
Chromium	50	1	27/4.4[5]	-	-/50	25	22
Copper	50	1.4	1.3	-	2000	100	33
Lead	50	3.4	4.4	-	10	140	9
Manganese	24	1900	-	-	500	200	0
Mercury	50	0.06	0.1	-	1	0.5	3 (SRT-MW022-7/10/2020 = 0.2; SRT-MW027_28/02/2024 = 0.5; SRT-MW027_7/10/2020 = 0.3)
Nickel	50	11	7	-	20	29	3 (SRT-MW022-7/10/2020 = 19; SRT-MW025_28/02/2024 = 24; SRT-MW028_14/02/2024 = 29)
Zinc	50	8	15	-	-	250	49 – site wide
F1 TRH C6-C10 less BTEX	24	-	-	6000	-	1000	0
F2 TRH >C_{10}-C_{16} less Naphthalene	24	-	-	NL	-	330	0
TRH C_{16}-C_{34}	24	-	-	-	-	400	0
TRH C_{34}-C_{40}	24	-	-	-	-	530	0
Benzene	50	950	500	5000	1	450	9
Toluene	50	180	180	NL	800	22	0
Ethylbenzene	50	80	5	NL	300	<5	0
Xylenes	50	350/75/200[6]	350/75/200[6]	NL	600	65	0

Constituents	Num. of Samples	Fresh Water[1] (µg/L)	Marine Water[2] (µg/L)	NEPM (2013) HSL A/B[3] (µg/L)	NEPM (2013) Drinking Water[4] (µg/L)	Maximum Result (µg/L)	No. Samples > Criteria (Exceedance)
Naphthalene	24	16	50	NL	-	7	0
Benzo(a)pyrene	24	0.1	-	-	0.01	<1	0
PCB	24	Various	Various	50	-	<1	0
PFOS	66	0.0002/ 0.13[8]	0.00023/ 0.13[8]	-	-	0.69	56
PFOA	66	19/220[8]	19/220[8]	-	0.56	0.63	3 MW011S_7/10/2020=0.58; MW011S_2/07/2020=0.61; MW011_2/07/2020=0.63)
PFOS + PFHxS	66	-	-	-	0.07	0.78	39

Notes:
1 NEPM (2013) Fresh water Groundwater Investigation Level and low reliability criteria, which have been updated against ANZG (2018)
2 NEPM (2013) Marine water Groundwater Investigation Level and low reliability criteria, which have been updated against ANZG (2018)
3 NEPM (2013) HSL for vapour intrusion in a silty soil assuming water level >2 to 4m bgl
4 NEPM (2013) Drinking Water GIL, or NHMRC & NRMMC (2011) Australian Drinking Water Guidelines.
5 Value for As (III) / As (V)
6 Value for Cr (III) / Cr (VI)
7 Value for o-Xylene / m-Xylene / p-Xylene
8 HEPA NEMP 2.0 (2020) ecological water quality guideline value for 99%/95% protection of species.
NL No Limit
- No Guideline

7.2.1 Auditor Discussion of Groundwater Contamination Status

The Auditor considers that based on the number of groundwater samples analysed, the location of monitoring wells, historical investigations and remediation, and the CoPC encountered at the site, groundwater has been adequately characterised when the data set is considered as a whole.

The Auditor considers that:

- Groundwater samples have been analysed for the COPCs identified in the CSM.
- The elevated metals are likely to be commensurate with ambient background concentrations for an urban catchment.
- Monitoring of the shallow wells indicated that sufficient groundwater was present to be considered a perched aquifer rather than intermittent storage. Sampling confirmed that the perched groundwater is impacted with PFAS, exceeding the adopted recreational criteria. Accordingly, NP stated that PFAS-specific controls for managing accumulated groundwater in shallow excavations was required to be developed and implemented by the remediation contractor.
- The PRI (NP 2024) addressed residual groundwater data gaps, including confirming that there is a groundwater divide at the site. Groundwater flows to the northeast to southwest, west of Mowbray House. In the northern half of the site, groundwater flows northwest towards Lane Cove River. In the southern portion of the site, groundwater flows southeast towards the Sydney Metro dive site The difference in flow direction between investigations was assumed to be influenced by seasonal changes with significantly higher rainfall experienced prior to Stage 1 than Stage 2, impacts of the tunnel construction and presence of the Metro dive to the southeast.

- The Auditor agrees with NP (2024) conclusions that concentrations of contaminants in deep groundwater that exceed investigation criteria were demonstrated to be decreasing over time. The natural attenuation of benzene is occurring within the shale aquifer in the northwest portion of the site.

7.3 Soil Vapour Analytical Results

Table 7.3 presents a summary of soil vapour results from the data gap and pre-remediation investigations.

Table 7.3: Summary of Soil Vapour Results (mg/m^3)

Constituents	No of Samples	Max Result	HSL A[1]	No. Samples > Criteria (Exceedance)
TRH F1 C6-C10	12	2.7	210 (0-<1m) 2600 (1-<2m) 6000 (2-<4m) 13000 (4-<8m) 26000 (8m+)	0
TRH F2 C10-C16	12	6	160 (0-<1m) 2300 (1-<2m) 5400 (2-<4m) NL (4m+)	0
Benzene	12	0.018	1 (0-<1m) 10 (1-<2m) 25 (2-<4m) 55 (4-<8m) 110 (8m+)	0
Toluene	12	0.014	1400 (0-<1m) 14000 (1-<2m) 32000 (2-<4m) 69000 (4-<8m) 140000 (8m+)	0
Ethyl benzene	12	0.069	380 (0-<1m) 4200 (1-<2m) 9700 (2-<4m) 21000 (4-<8m) 43000 (8m+)	0
Xylenes	9	0.58	260 (0-<1m) 2900 (1-<2m) 6800 (2-<4m) 15000 (4-<8m) 30000 (8m+)	0
Naphthalene	12	0.041	0.9 (0-<1m) 10 (1-<2m) 25 (2-<4m) 60 (4-<8m) 120 (8m+)	0

Constituents	No of Samples	Max Result	HSL A[1]	No. Samples > Criteria (Exceedance)
PCE	12	<0.0046	2	0
TCE	12	<0.0058	0.02	0
1,1,1 TCA	12	<0.015	60	0
Cis 1,2 DCE	12	<0.0096	0.08	0
Vinyl chloride	12	<0.037	0.03	0

Notes:
1 NEPM (2013) HIL A soil vapour intrusion for silty soil

7.3.1 Auditor Discussion on Soil Vapour Contamination Status

The Auditor considers that based on the number of soil vapour samples analysed, historical investigation results, the location of monitoring wells and the COPC encountered, the soil vapour has been adequately characterised when the data set is considered as a whole.

While elevated levels of tetrachloroethene were reported in historical soil vapour investigations within the central west portion of the site (V01) or in the vicinity of Mowbray House. No exceedances of investigation levels were identified pre-remediation.

8 Evaluation of Quality Assurance (QA) and Quality Control (QC)

The EPA (2017) requires that an Auditor must check key requirements of the quality assurance and quality control of Consultant's work and makes the following statements:

- The Auditor confirms that the applicability and limitations of field sampling methodology are discussed and addressed in the consultants' reports.
- The Auditor confirms that the consultant has ensured adequate calibration of field instruments.
- The Auditor confirms that the consultant's reports have assessed the significance of the field determination of the results compared with the laboratory results and where not compatible has been explained by the consultant.
- The applicability and limitations of laboratory methodology are discussed and addressed in the consultants' reports. The Auditor is satisfied that a NATA accredited method and laboratories were used by the consultant, except for asbestos quantification, noting that there is no available NATA accreditation for asbestos quantification.
- The Auditor confirms that the methods used for site investigation are of sufficient precision and accuracy and sensitivity to achieve the assessment of risk.
- The laboratory results meet the accuracy criteria specified by the consultant for each performance method.
- The consultant indicates that the results meet the criteria specified by the consultant in their DQO with some exceptions. The Auditor has assessed those that did not meet the criteria in Appendix E and considers that the exceedances were acceptable for the purpose of the Audit.

The above statements are based on the tabulated evaluation presented in Table E2 in Appendix E for investigation, remediation and validation works conducted at the site.

9 Evaluation of Remedial Action Plan

The remedial action plan (RAP) was audited in accordance with the requirements outlined in EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition), NSW EPA (2020a) and with consideration of the amended NEPC (1999) National Environment Protection (Assessment of Site Contamination) Measure, Schedule A and Schedules B(1)-B(9) by National Environment Protection Council, Adelaide (April 2013).

The requirements of NSW EPA (2020a) Consultants Reporting on Contaminated Land Contaminated Land – Contaminated Land Guidelines has been considered, which was issued after the issue of the RAP, when considering the adequacy of the remediation and validation. A summary of the document review is presented in the following table.

Table 9.1: Summary of NP (2021) RAP

Requirement	Consultant Consideration	Auditor Comment
Objectives:	The stated remedial goal for the site is to ender the site suitable for the proposed land use, low-density residential with-out any restrictions on land use to meet divestment requirements. If required, the site suitability may be achieved through remediation in conjunction with the adherence to an appropriate long-term environmental management plan (EMP).	The Auditor considers that the remediation goal is suitable for the objective of unrestricted land use, from a contamination perspective.
Scope of work	Section 1.4 states that the scope of work included: • Summarise findings of the DGI • Assess applicable remedial technologies and identify a preferred approach • Develop a methodology for the preferred option • Outline necessary site management • Develop validation requirements and site-specific validation criteria • Develop contingency plans for a range of potential scenarios.	The scope is appropriate.
Site identification	Section 2.1 provides site identification details.	Appropriate
Site history	Section 3 provides a summary of site history and the previous investigations conducted.	Appropriate
Site condition and surrounding environment	Sections 2.2 through 2.6 provides a summary of the site features, surrounding land use, geology, hydrogeology and sensitive environmental receptors.	Appropriate
Remediation criteria	Section 9.4 provides the following site remediation criteria. Given that the site will be divested as an unrestricted land use, a low-density residential land use was selected as is the most sensitive potential land use in terms of the potential human receptors (including young children and aged persons) and the potential for	Accepted

Requirement	Consultant Consideration	Auditor Comment
	exposure (i.e., accessible soil in gardens) based on the proposed Land Use as xx (provide rationale).	
Results	Appendix B provides tabulated data of soil impacts. Figures 4 through 6 provide figures of exceedances. Section 3.2 provides summary of results of the DGI completed by NP (2020), which provide the following impacts: Soil: • Exceedances of the adopted human health investigation levels for BaP, benzene, lead, PAHs, and TRH. • Exceedances of the adopted ecological investigation levels for BaP and zinc. The majority of exceedances were reported within fill materials and mainly within the western portion of the site, with only three exceedances recorded in natural soils. Groundwater: • Exceedances of the adopted human health investigation levels for arsenic, BaP, benzene, lead and PFAS. • Exceedances of the adopted ecological investigation levels for copper, lead, mercury, nickel, PFAS, and zinc. • Groundwater in the south-west and south-east portions of the site was typically impacted by PFAS, whilst benzene impacted groundwater was encountered near the north-eastern boundary of the site. Passive Soil Vapour: • Whilst historically elevated levels of tetrachloroethene in soil vapour at former vapour monitoring location'V01' had been reported, no exceedances of investigation levels were identified. • Sampling targeting Mowbray House did not identify any exceedances of investigation levels.	Overview of DGI results complete, considering data gaps still to be addressed pre-remediation.
Conceptual Site Model	Section 4.1 provides conceptual site model, which provides the following potential receptors: • Site workers, contractors, visitors • Future site users • Ecological receptors • Nearby groundwater bores, streams, rivers, GDEs	Appropriate consideration of receptors and potential pathways presented. The RAP addendum presented further consideration of the CSM and whether SPR linkages were considered complete/incomplete.
Remediation Option Assessment and Remediation Strategy		
Extent of remediation required as outlined in RAP	Summary of the investigation findings included in Sections 3 and 4 of the RAP. The remediation locations are presented in Figures 19 and 20 within the RAP, reproduced in Appendix A	The Auditor is satisfied that the site assessments (when considered as a whole – historical and recent), were sufficient to identify the scope of remediation required at the site, subject to completion of data gap investigations. The revised area was

Requirement	Consultant Consideration	Auditor Comment
		presented in a RAP addendum, as discussed below (Table 9.2)
Discussion of possible remediation options	Remediation options were presented in Section 5 of the RAP.	The remediation options presented generally represented the range of feasible options, with no obvious alternatives missing from the list.
Consideration of sustainability (environment, economic, social):	Section 5.3 provides an assessment of sustainability in the selection of the preferred remediation options.	Accepted.
Selected remediation option	The selected remedial option was excavation of contamination hotspots and off-site disposal, as excavation of this material is likely to be required as part of future redevelopment of the property. Removal and validation of the remaining UPSS will also be performed.	Given the type of contamination present and the proposed future land use excavation and off-site disposal was considered to be a suitable remediation approach, commensurate with the risks and contaminant exposure and migration pathways identified.
Rationale for selected remedial option	Section 5.3 states that the off-site disposal strategy is considered to be an economical, reliable, and risk adverse management measure to address the identified concentrations requiring remediation. It will achieve the objective of an unrestricted land use for divestment, from a contaminated soil perspective.	Given the type of contamination present and the proposed future land use excavation and off-site disposal was considered to be a suitable remediation approach
Description of remediation works:	Section 6.2 provides description of the remediation works which included: • Site establishment • Removal of buildings and hardstands • Investigation of asbestos and additional waste classification • Removal of USTs and associated infrastructure • Removal and disposal of asbestos/chemical impacts • Stockpile management and tracking The RAP outlines several data gaps that were to be addressed as part of a pre-remediation investigation. The remediation strategy and approach would be reconsidered.	Appropriate, and considering a change in the approach through the remediation process.
Validation plan	The validation approach proposed in Section 9 consists of collection of validation samples from the walls and base of excavated hotspots, stockpile footprints, UST infrastructure trenches and haul roads used for contaminated soil transport.	The Auditor considers the validation approach to be suitable for the proposed remedial strategy.
Contingency plan if selected remedial strategy fails	A discussion of contingency actions was provided in Section 8.6 of the RAP, including general guidance on ensuring appropriate validation of hotspot remediation.	Given the relatively low complexity of the proposed remedial strategy, the Auditor considers the risk of the remediation approach not achieving the required objective to be low.
Unexpected finds protocol:	Section 8.6 states that in the event that in-ground features are identified and are considered to represent potential contamination sources, the following protocol will be adopted	Accepted.

Requirement	Consultant Consideration	Auditor Comment
	• All works within the vicinity (nominally a 10 m radius) will cease and the area of concern will be appropriately barricaded • Contact Sydney Metro and the Site Auditor will be contacted • If required, appropriate sampling and analysis will be undertaken by the consultant. • The requirement for any additional remediation works will be assessed and undertaken as required • All works will be documented in the validation report.	
Interim site management plan before remediation	Section 6.2.10 provides the proposed interim site management actions.	The management procedures were accepted.
Site management plan for remediation works	Site management guidance for pre-remediation and operations was presented in Section 8 of the RAP.	The Site Management Plan guidance did not explicitly distinguish between pre-remediation and operational management. However, the guidance covered a reasonably comprehensive range of topics mostly to an acceptable level of detail for a RAP (albeit some in a generic way) and was consistent with standard industry practice.
Regulatory compliance requirements	Addressed in Section 7 of the RAP.	The discussion of licences and approvals was considered to be adequate for the nature of the remedial works.
Contact persons	Project team members and contact details were not provided as it is unclear who will undertake the remediation, and who the various stakeholders will be.	The omission is considered to be acceptable as the implementation of the RAP may occur following divestment of the property and the stakeholders are currently uncertain.
Community relations (where applicable)	Addressed in a limited way in Section 8.5 of the RAP.	The information was generic in nature, but responsibility was delegated to the future remediation contractor.
Staged progress reporting (where applicable)	The work is proposed to be completed as part of a single work package, and therefore a staged reporting requirement is not contemplated.	The Auditor agrees with this conclusion regarding staged reporting.
Environmental management plan requirement	The remediation strategy contemplates removal and validation of all contamination issues to deliver a site suitable for unrestricted land use. However, residual groundwater contamination will likely remain and may require ongoing management under a long-term EMP.	The Auditor is satisfied that a long-term EMP will only be necessary if groundwater quality is deemed to require ongoing monitoring following additional assessment.
Waste Management		
Waste classification:	Section 4.3.3 states that preliminary insitu waste classification was conducted in accordance with NSW EPA (2014) Waste Classification Guidelines. Additional classification required (Section 6.2.4).	Accepted.
Material handling and tracking plan:	Section 6.2.9 outlines the intended material tracking procedure. A Materials Tracking System should include the following components:	Accepted plan

Requirement	Consultant Consideration	Auditor Comment
	• Accurate description of the material. • The approximate volume of the material. • Date of excavation and/or placement. • Contamination status. • Date sampled. • Date of authorisation to move materials. • Name of authoriser. • Date materials moved. Destination of materials. Tracking and record keeping of materials disposed to landfill must be 'cradle-to-grave'.	

The Section B Site Audit concluded that the NP (2020) RAP was adequate providing the following:

- A summary of contamination issues requiring management on the site.
- A review of available remediation options, and justification for the selection of the preferred option.
- A remedial strategy and validation plan to address the contamination present.
- A contingency plan for managing any unexpected conditions that may be encountered during the remediation program.
- Details of the environmental management requirements to prevent the spread of contamination during remediation works.
- Details regarding approvals required to carry out the remediation.
- Documentation required to deliver the remediation and validation program.

The Auditor considered that the RAP adequately addressed the requirements of the relevant guidelines or delegated certain information requirements to a future contractor performing the work, and presented an acceptable approach for rendering the site suitable for unrestricted land use, from a contamination perspective.

Following this, a Remediation Action Plan Addendum was prepared in December 2023 to consider the results of the Pre Remediation Investigation (PRI; NP, 2024) which addressed the data gaps outlined in the RAP. The PRI results are summarised in Table 7.1, with additional contamination identified:

- ACM fragments were identified at seven locations. Asbestos Fines were identified at three locations.
- ACM fragments and Asbestos Fines were identified in a fill layer containing construction demolition waste.
- Lead concentrations in fill at four locations exceeded the low-density residential Human-Health Investigation Level (HIL-A) criterion.
- A benzo(alpha)pyrene (BaP) concentration in fill at one location exceeded the HIL-A criterion.
- Exceedances of the General Solid Waste (GSW) Contaminant Threshold criteria was identified at several locations for lead, nickel, and BaP, the leachable concentrations were low and able to be classified as GSW using the Specific Contaminant Concentration criteria.

As such, the remediation area extents required reconsideration, as are presented in the RAP Addendum, and summarised in Table 9.2 below.

Table 9.2: Remediation Extent as per the RAP Addendum (NP, 2023)

Remediation Area	RAP Extent	Area & Depth	RAP Addendum Extent	Area & Depth
Area A:	Targets the former burial pits (Pb, TRH, PAH)	3650 m^2, up to 4 mbgl	Division of Area A A1 –former burial pits and asbestos identified during the PRI	~ 2,192 m^2, up to 4 mbgl
			A2 – Targeting lead, TRH, and PAH exceedances, where asbestos was not identified	~1,957 m^2, up to 3 mbgl.
Area B	Targeting the former asbestos slab.	22 x 12 m, up to 2 mbgl.	No change	-
Area C	Targeting UST 4. .	17 x 14 m, up to 4 mbgl	No change	-
Area D	Targeting USTs 4 and 6 (lead, TRH, and PAH) exceedances.	22 x 18 m, up to 4 mbgl.	Area expanded to include lead impacts in the former energy depot footprint	~919 m^2, up to 4 mbgl
Area E	Targeting lead and PAH exceedances.	An area of 22 x 11, up to 0.5 mbgl.	No change	
Area F	Targeting a lead exceedance.	19 x 12 m, up to 1 mbgl	No change	

10 Evaluation of Remediation and Validation Works

10.1 Validation Criteria

The validation criteria adopted by NP (2025) during the remedial works are as presented as follows:

- NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt.
- NEPM 2013 Table 1B(1-5) EILs - Urban Residential & Public Open Space. Site-specific EILs were calculated for the DGI were adopted.
- NEPM 2013 Table 1B(6) ESLs for Urban Residential, Coarse Soil.
- NEPM 2013 Table 1A(1) HILs Residential A Soil.

10.2 Summary of Remediation and Validation Works

Remediation was achieved through the following phases of works:

- Site establishment, mobilisation of plant and equipment, installation of site facilities, and establishment of stabilised access points. Temporary construction services were installed, and redundant underground services were terminated or relocated where necessary.
- Removal of buildings and hardstand – all above ground infrastructure was removed except for Mowbray House (heritage restrictions). An intrusive investigation could not be completed beneath the footprint of the building, which was excised from the audit boundary. Building demolition works were completed under a separate contract and reported separately. Sydney Metro was not able to provide records relating to the demolition of these buildings to determine whether a hazardous building material investigation was completed, however remediation and validation of fill considered the contaminants that would be associated with hazardous building materials.
- Protection of offsite roads – sheet piling was installed along the north and northwest boundaries to provide structural support during deep excavation works and to protect the integrity of public assets adjacent to the property boundary. To accommodate the installation of the corrugated sheet piles, a sliver of residual fill material (~0.5 m thick) was retained between the sheet piling and the property boundary. Wall samples were collected to characterise the material on the outside of the sheet piles. Once removed, VENM was used to batter the excavated boundaries. Auditor advice was provided in IA03-R, dated 17 January 2025, supporting NPs conclusion that there is a low risk of asbestos being present in the fill within the sliver of soil.
- Removal of three USTs – USTs 4,5,6 (which had been decommissioned by filling with concrete at some point in the past) were excavated and removed in March 2024 (Tanks 5 and 6) and August 2024 (Tank 4). Additional USTs were identified during remediation works and managed under the unexpected finds protocol (outlined below).
- Excavation of the remediation areas included the following management approach:
  - In-situ classification of Area A1 and A2 identified four types of material:
    - Material 1 – Tunnel and Station Excavation (TSE) fill, comprising grey/red mottled stiff clay, reportedly derived from Sydney Metro tunnelling works. This fill material was imported to the site during establishment of the on-site facilities for the tunnel dive and drilling works and was placed on top of the existing hardstand and capped by a further concrete slab.

- Material 2 – Historical fill, comprising sandy/clayey gravel with varying inclusions of construction waste including ACM fragments, found in Area A1, generally beneath the original slabs upon which the TSE fill was placed.
- Material 3 – Historical fill, comprising sandy/clayey gravel with varying inclusions of construction waste excluding observed ACM fragments, found in Area A2, generally beneath the original slabs upon which the TSE fill was placed.
- Material 4 – Natural clay, comprising moist light brown / orange clay with some sand, encountered across site beneath the fill materials.

- The TSE fill was characterised and considered suitable for onsite stockpiling and reuse.

The original remedial strategy comprised excavation and offsite disposal of fill material previously identified to contain asbestos or other contaminants at concentrations exceeding the land use criteria. The excavation zones were delineated during the previous investigations, with fill material outside the excavation zones intended to be retained onsite.

Due to numerous discoveries of ACM in fill outside the identified remediation areas, further investigation was required following removal of hardstand and buried concrete slabs to address the risk of leaving ACM in fill.

In November 2024, due to the frequency of asbestos encountered in fill outside the original delineated excavation zones, the decision was made that all fill material (including TSE fill considered suitable for use) and subsurface infrastructure encountered would be excavated as far as practicable exposing underlying natural soils. Noting that:

- Due to access constraints, some fill material was retained on site. The location of retained fill shown on Figures within the validation report (reproduced in Appendix A). Minor amounts of fill located on the eastern site boundary was retained to support a concrete slab as removal would have damaged Council assets outside the of the site boundary. Where retained, the fill was characterised via wall samples and determined to be suitable for the intended land uses.
- Fill material was retained within the 10 m buffer zone (referred to as “curtilage”) surrounding Mowbray House, representing the closest distance that bulk earthworks could advance towards the house without risking damage to the heritage structure. The fill was characterised via test pits and trenches advanced through the concrete slab. Minor HIL exceedances were identified but were acceptable due to supporting evidence from historical non-leachable results, the presence of asphalt or bituminous material within the fill, with a low likelihood of future disturbance.
- ACM conduit pipes were retained in the site boundary walls. Where present, coordinates have been provided (discussed in Section 10.2.2 below).

The fill was excavated and stockpiled (<100 m^3) and waste classification sampling and analysis performed. Nation Partners performed 49 waste classifications, reviews presented in Appendix E. Following the change in the remediation scope, waste classification was modified from 100 m^3 ex-situ stockpiles classification to an in-situ waste classification approach.

10.2.1 Validation of Excavation

Validation base samples of the excavations were collected at 1 per 100 m^2 and wall samples collected at 1 per 10 m linear metres. Following the change in the validation approach to removal all fill from site, a total of 201 base samples and 164 wall samples were collected. Validation samples were analysed for asbestos (presence / absence), BTEX, TRH, heavy metals, and PAHs.

Table 10.1: Summary of Soil Validation Results (mg/kg)

Constituents	Num. of Samples	Max Result	HIL A/HSL A/B	EIL/ESL[2]	ML[3]	No. Samples > Criteria (Exceedance)
Arsenic	282	27	100	100	-	0
Cadmium	282	0.8	20	-	-	0
Chromium (III+VI)	282	140	100	190	-	0
Copper	282	140	6000	410	-	0
Lead	282	260	300	1100	-	4 (V182 = 200, V237 = 170, V240 = 260, V242 = 130)
Mercury	282	5.7	40	-	-	0
Nickel	282	97	400	230	-	0
Zinc	282	590	7400	540	-	1 (V182 = 590)
F1 TRH C6-C10 less BTEX	282	430	45 (0-<1m) 70 (1<2m) 110 (2-<4m) 200 (4m+)	180	700	21 (V048 = 72, V065 = 180, V066 = 120, V067 = 220, V068 = 130, V090 = 58, V099 = 100, V100 = 85, V101 = 240, V112 = 430, V113 = 100, V191 = 150, V193 = 51, V196 = 140, V198 = 59, V199 = 120, V201 = 67, V203 = 50, V206 = 140, V207 = 170, V246 = 51)
F2 TRH >C10-C16 less Naphthalene	282	240	110 (0-<1m) 240 (1<2m) 440 (2-<4m) NL (4m+)	120	1000	6(V067 = 210, V068 = 190, V100 = 240, V112 = 130, V198 = 180, V201 = 140)
F3 TRH >C16-C34	282	3000	-	300	2500	2 (V003 = 3000, V242 = 330)
F4 TPH C34-C40	282	370	-	2800	10000	0
Benzene	282	1.2	0.5	50	-	1 (V074 = 1.2)
Toluene	282	0.7	160 (0-<1m) 220 (1-<2m) 310 (2-<4m) 540 (4m+)	85	-	0
Ethylbenzene	282	0.2	55 (0-<1m) NL (1-<2m) NL (2-<4m) NL (4m+)	70	-	0
Xylenes	282	0.7	40 (0-<1m)	105	-	0

Constituents	Num. of Samples	Max Result	HIL A/HSL A/B	EIL/ESL[2]	ML[3]	No. Samples > Criteria (Exceedance)
			60 (1-<2m) 95 (2-<4m) 170 (4m+)			
Naphthalene	282	0	3 (0-<1m) NL (1m+)	170	-	0
BaP TEQ	282	9.4	3	-	-	2 (V242 = 9.4, V318 = 3.2)
BaP	282	6.5	-	0.7	-	3 (V240 = 1.1, V242 = 6.5, V318 = 2.2)
Total PAH	282	68	300	-	-	0
Bonded ACM (500mL sample)	135	0.0025	0.01%	-	-	0
Bonded ACM (10L sample)	64	0.02	0.01%	-	-	0
FA and AF (500mL sample)[5]	126	0	0.001%	-	-	0
Asbestos identification	206	ND	Not Detected	-	-	0

Notes:
1 NEPM (2013) HIL A/ HSL A/B soil vapour intrusion for sandy soil
2 NEPM (2013) EIL/ESL – Urban residential and open public space
3 NEPM (2013) Management limits Residential, parkland public open space, coarse soil
4 Laboratory results for TPH fractions determined prior to 2013 are different to those used in the NEPM (2013). However, older data has been compared to the NEPM (2013) criteria to assist in determining site suitability.
5 Reported in laboratory report, noting that this is conservative as AF and FA has been combined, and also noting that WA DoH (2019)/NEPM (2013) require FA to be collected from 10L sample.
Note that some ESL for TRH F2 applies for TRH >C10-C16 without subtraction of naphthalene, and ML for TRH F1 and TRH F2 apply for TRH C6-C10 and TRH >C10-C16 without subtraction of BTEX and naphthalene, respectively.
NL No Limit
- No guideline

Where floor samples failed, a 100–200 mm scrape of the excavation base was completed and resampled. For failed wall samples, additional excavation was undertaken where practicable, provided this did not extend beyond the site boundary or compromise the integrity of fencing, hoarding, footpaths, or external assets.

The remaining failed validation samples include:

- V182: Zinc at 590 mg/kg (above EIL 540 mg/kg)
- V240: BaP at 1.1 mg/kg (above ESL 0.7 mg/kg)
- V242: F3 at 330 mg/kg (above ESL 300 mg/kg), BaP at 6.5 mg/kg (above ESL 0.7 mg/kg) and BaP TEQ at 9.4 mg/kg (above Bap TEQ HIL 3 mg/kg)
- V318: BaP at 2.2 mg/kg (above ESL 0.7 mg/kg) and BaP TEQ at 3.4 mg/kg (above Bap TEQ HIL 3 mg/kg)

NP provided statistical analysis of failed wall samples which were left in situ at the site boundary to confirm that the 95%UCLs are below the adopted criteria and the exceedances do not preclude the

land use suitability as it is expected boundary site soils will not be used as a growing medium for landscaping, or accessible to ecological receptors post-development.

Based on the observations of the natural material surface and the laboratory results, the Auditor considers that fill has been appropriately removed and there is no residual impact that would present an unacceptable risk and where residual fill remains, its location has been surveyed.

10.3 Unexpected Finds

The following presents a summary of unexpected finds identified during the remediation and validation process at the site.

- ACM conduit was encountered and removed to the extent practicable up to the site boundary. Remnant “stubs” of the ACM conduit remained in fill in the eastern, western and southern boundary walls, including within the retained fill wedge on the eastern boundary. The locations of the conduit stubs were surveyed to provide accurate coordinates to appropriately mange in the unlikely chance they are disturbed in the future. The pipes are not considered to represent a contamination risk in their undisturbed state but will require appropriate management if future development extends beyond the current extent of retained fill.
- UST Pit 1: A large UST pit comprising 6 USTs was encountered in the northwest corner of the site (within a previously audited portion of the site). The USTs and associated infrastructure were removed in September 2024, including an additional tank (UST11) identified during the decommissioning process. Remediation of the surrounding soils was completed via over-excavation of the tank pit.
- UST Pit 2: A second UST pit containing four USTs was identified adjacent to UST Pit 1 (USTs 7-10). J120 oily water was removed from the tanks, and the tanks were removed on 4 July 2024.
- Installation of MW029 was completed downgradient of the former UST Pit 1 to assess the potential for groundwater contamination from the USTs. The analytical results were below the laboratory limit of reporting (LOR), indicating a negligible risk to groundwater quality from the former USTs.
- External driveway – Three test pits were advanced. No contamination was observed however laboratory testing identified chrysotile asbestos in fibre cement material at TP90_0.2–0.3 (0.058% w/w). Remediation and validation of the external driveway was completed across 4 stages to ensure access to the site was available at all times. Staged excavation was completed however limited on the southern boundary due to the presence of an Ausgrid high voltage distribution cable running parallel to the site boundary beneath the external public footpath. To maintain sufficient batter to reinforce the buried asset, residual fill material was left in-situ.
- Bryson Street Driveway – The former driveway for Bryson Street (50 m^2) remains in-situ. Fill was retained due to the presence of two active water mains, one of which is above the surface, one buried in shallow fill, both could not be decommissioned. An ACM conduit pipe was identified, removed as far as practicable. Validation wall samples were collected of the wall and sampled for asbestos – none detected.

10.4 Groundwater Validation

As stated above, following removal of the two unexpected tank farms in the northwest corner of the site (vicinity of the former Caltex service station) an additional monitoring well was installed was installed to understand the potential for residual groundwater impacts downgradient of the USTs. The well was sampled for BTEX and TRH.

The well was installed to 16 mbgl and screened between 10 and 16 mbgl. Initial standing water level was measured at 7.62 mbgl and no NAPL was reported.

Sampling of MW029 was completed in November 2024. BTEX and TRH were analysed, and concentrations were reported below laboratory detection limits.

With respect to PFAS impacts in groundwater identified pre-remediation, the remediation works removed all potential onsite sources, including fill across the site and USTs, thus NP considered that the risks associated with contaminated groundwater at the site were low, and no further remediation works were required. The likelihood that groundwater would be abstracted and used or discharged in an uncontrolled manner at this site is low given that the development will include a reticulation system.

The groundwater monitoring wells were not protected or decommissioned in accordance with industry standard practices during remediation of the site. NP (2025) state that the failure to protect the groundwater monitoring wells is not expected to have a significant adverse effect due to the residual concentrations associated with the former service station shown to be naturally attenuating and the sources of potential groundwater impacts have been removed (i.e. the USTs and fill). The Auditor accepts this deviation to the remedial scope given that primary sources of contamination has been removed and the risk to potential gradient receptors is low.

10.5 Review of Imported Material

Imported fill documentation has been reviewed accordance with the EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition).

The following presents a summary of materials imported to the site:

- 108 T of Densely Graded Base (DGB) for an internal road sourced from Peats Ridge. As this is a natural quarried material, validation was not required.
- 1836 T of sandstone was imported for an internal road sourced from Newport. Review of the VENM documentation is presented in Table F3 (Appendix F).
- 1593 T of sandstone was also imported from Maroota for the internal road. As the sandstone material from Maroota is a natural quarried material, validation was not required.
- 468 T of VENM sandstone was imported from a site in Mona Vale for site grading purposes. Review of the VENM documentation is presented in Table F3 (Appendix F).
- 92 T of 20/70 mm quarry rock aggregate from Dunmore was imported to Area C of the site. As this is a natural quarried material, validation was not required.
- 6,265 T of shale (VENM) was imported to the site from Carlingford to be placed on the northern and western site boundary for structural integrity of the site hoarding. A review of the accompanying VENM report from ADE Consulting Group is provided in in Table F3 (Appendix F).
- 20 T of cement stabilised sand (CSS) was imported for the UST Pit 1 from Boral quarries and deposited against the hoarding batter in the UST pit. The CSS product is a mixture of natural quarried materials and validation was therefore not required.

Based on the review. the Auditor considers that the imported material has been appropriately assessed as being suitable for importation.

11 Waste Classification and Disposal

11.1 Review of Waste Classification

The Validation Report states that NP performed 49 waste classifications for the 100 m^3 stockpiles. Following the change in the remedial approach, classifications were completed in situ.

The Auditor progressively reviewed and provided comments in the form of interim advice on the waste classification reports throughout the remediation process. Review of waste classification is provided in Table F1. Waste has been classified in conformance with the EPA (2014) Waste Classification Guidelines Part 1: Classifying Waste.

11.2 Review of Off Site Disposal

The following total waste was recorded to be disposed from the site:

- GSW: 5,570 T
- GSW-A: 39,023 T
- Concrete: 6,490 T

Waste disposal documentation has been reviewed accordance with the EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition). Based on review of the waste disposal details, the following is noted:

- The volume disposed of offsite was in accordance with the estimated volume generated onsite, with discrepancy. This discrepancy can be attributed to assumptions used by the consultant in estimating volumes of the stockpiles versus the actual volume generated as part of excavation activities and the change of remedial approach to removal of all fill on site. On this basis the Auditor considers this discrepancy to be acceptable.
- Disposal dockets have been provided that relatively match the disposal volume.
- The receiving landfills are suitably licensed to dispose of the waste.
- The Auditor has been provided with details of the asbestos waste transporters and confirms they are suitable licensed to transport the asbestos impacted waste generated from site.

Based on the above, the Auditor considers that waste from the site has been disposed offsite appropriately.

12 Auditor's Assessment of Risk

12.1 Risk to human health, structures and the environment arising from the actual or potential contamination of the land

Based on the findings and results of the investigation and remediation works completed onsite and reviewed no unacceptable risk to human health or the environment is present and no potential environmental risk to future structures have been identified.

The residual fill is considered acceptable to remain due to supporting evidence from historical non-leachable results, the presence of asphalt or bituminous material within the fill, and the low likelihood of future disturbance.

12.2 Potential aesthetic risk

Aesthetic inspections were carried out by the environmental consultant throughout investigation activities. These include consideration of odours and staining and 'deleterious material'. Following the remediation, the Auditor considers that risk from aesthetic impact (odours/staining) at the site is acceptable.

12.3 Potential for off-site migration of contamination and duty to report guidelines

Based on the available data the Auditor agrees with NP that, there is low likelihood of any residual impact at the site to migrate offsite at concentrations that may present unacceptable risk to downgradient land uses.

12.4 Requirement for any ongoing management of residual contamination

Based on the current information, it is considered that no ongoing management is required. The Auditor considers that this has been appropriately characterised to determine that the site is suitable for use and does not pose an unacceptable risk to the environment in its current configuration.

However, it is noted that a number of features remain beneath the site, including:

- ACM pipes
- Remaining fill on boundaries, around assets and within the Mowbray House Curtilage
- Concrete Footings

The remaining features are low risk in their current condition. Coordinates of these features are provided in a figure within the validation report and will be attached with the SAS.

Should these areas be disturbed during development, they are to be managed through an unexpected finds policy or under a construction environmental management plan, or similar.

12.5 Compliance with regulatory consent

The following regulatory consent conditions related to contaminated site investigation and validation works were assessed as part of the audit, in accordance with the NSW EPA (2017) requirements.

- Development consent – Section 1.1.1. This is a non-statutory audit.
- PoEO (Waste) Regulation 2014 and NSW EPA (2014) Waste Classification Guidelines – Section 11.
- SEPP Resilience and Hazards 2021 – Section 10
- SafeWork NSW requirements – Section 10 and 11. Notifications to SafeWork NSW was not provided on removal of an UPSS but removal of UPSS was conducted as per Protection of the Environment Operations (Underground Petroleum Storage Systems Regulation) 2019 and NSW EPA (December 2020) Guidelines for Implementing the Protection of the Environment Operations (Underground Petroleum Storage Systems) Regulation 2019, and NP state that Sydney Metro should provide the validation report to Council.
- NSW Work Health and Safety Regulation 2017 – Section 10. Asbestos related works were conducted by suitably licensed asbestos contractors
- WaterNSW requirements – No information has been provided regarding the registration of the groundwater wells/bores at the site. The Auditor notes that all wells installed were for monitoring purposes. The Water Management General Regulation (2018) states that wells do not need a water use approval for the purposes of measuring water levels, water pressure or water quality.
- Sydney Water requirements for potential discharge of contaminated water to sewer – not relevant to the site
- NSW EPA/Council requirements for potential discharge of potentially contaminated water to surface water bodies or stormwater drains – The Auditor is unable to comment on potential discharge of potentially contaminated water to surface water bodies or stormwater drains from investigation/ construction works, however the potential for such an occurrence is considered unlikely at this site.
- Aquifer Interference Policy and NSW DPI Water Permit under Water Management Act 2000 - No dewatering was undertaken during construction works.

13 Site Audit Conclusions

Sydney Metro commissioned this non-statutory audit to provide an independent review of the appropriateness of environmental works completed at 339 Mowbray Road and 589-607 Pacific Highway, Chatswood.

The site occupies approximately 18,000 m^2 and is identified as follows:

- Central Portion (Former Ausgrid depot): Lot 1 of DP243111, Part Lot 2 of DP221896, Lot 6 of DP66854, Lot 5 of DP524631, Lot 18 of DP60346, Lot 2 of DP537580 and Lots 4, 5 & 6 of DP65670.
- Northwest Portion (Former Caltex service and MLP site): Lot 1 of DP537580, Lot 1 of DP503447, Lot 2 of DP1223080, Lot 3 of DP961402, Lots 3 & 4 of DP455907.
- Southwest Portion (Former retail area): Lot 1 of DP216408, Lot 1 of DP204133, Lot 1 of DP50875, Lot 3 of DP58646 and Lot 6 of DP72759.

The boundary of this Audit is shown in the attached Survey Plan.

This audit considers investigation, remediation and validation works conducted by Nation Partners to form an opinion on whether the site is suitable for low-density residential land use without restrictions to meet divestment requirements.

Final remediation and validation achieved through a process of the removal of buildings, hardstands and the excavation of all anthropogenic material and unexpected finds encountered as far as practicable exposing underlying natural soils. All fill material was excavated and waste classification completed. Some residual fill remains around assets and ACM conduit pipes at the site boundary but coordinates are provided and their presence is considered to be low risk to future development.

The Auditor considers that waste from the site has been appropriately classified and disposed offsite.

The investigation, remediation, and validation reviewed are considered to have met the requirements of NSW EPA (2017), other relevant guidelines endorsed under s.105 of the CLM Act and the objectives of the Audit. Where the consultant's work deviated from the guidelines, the Auditor has discussed this within the audit report and is satisfied that these omissions do not affect the conclusions of the Audit.

On this basis a Section A SAS will be issued certifying that, in the opinion of the Auditor, the site is suitable for multiple land uses (low-density residential, high-density residential, public open space, and commercial/industrial, with the following comment:

- The presence of retained fill and ACM conduits marginally within the property boundary are considered to represent a low risk in their current condition. Should these areas be disturbed during future development, the ACM conduits must be managed under the supervision of an appropriately qualified environmental consultant and licenced contractor, and any disturbance of the retained fill should occur in accordance with an unexpected finds protocol.
- If dewatering is required as part of the future development, a dewatering management plan should be developed, and the tailwater collected, analysed and managed appropriately with respect to residual contamination present in groundwater.

14 Other Relevant Information

This Audit relates only to those matters relevant to the CLM Act 1997, which describes that “The general object of this Act is to establish a process for investigating and (where appropriate) remediating land that the EPA considers to be contaminated significantly enough to require regulation under Division 2 of Part 3”. The SAS and SAR do not seek to provide an opinion regarding other aspects of the environment not related to site contamination, to the suitability of the site in regard to the occupational health and safety legislation, or in regards to the suitability of the engineering design.

By definition, auditing involves the review and critique of Consultants’ work, including site histories, site surveys, subsurface investigations, chemical and physical analyses, risk assessments and modelling. Accordingly, the Auditor relies on the experience, expertise and integrity of the relevant organisations. The information sources referenced have been used to determine site history and local subsurface conditions. While the Auditor has used reasonable care to avoid reliance on data and information that is inaccurate or unsuitable, the Auditor is not able to verify the accuracy or completeness of all information and data made available.

Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements and site history, not on sampling and analysis of all media at all locations for all potential contaminants.

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

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

Appendix A Figures

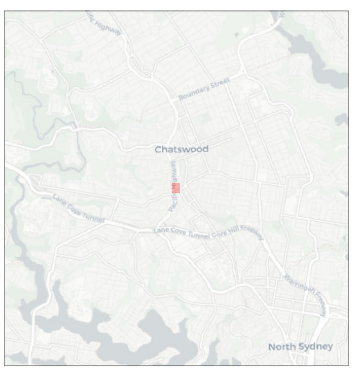
Figure 10: Final Site Audit Boundary

Chatswood Metro Dive Site Validation Report

Legend

- Site Audit Boundary
- Point Location
- Mowbray House Exclusion Boundary
- Point Location

Numbered coordinates on proceeding page.



DATA SOURCES
Imagery: MetroMap, 2025

0 10 20 m

nation partners

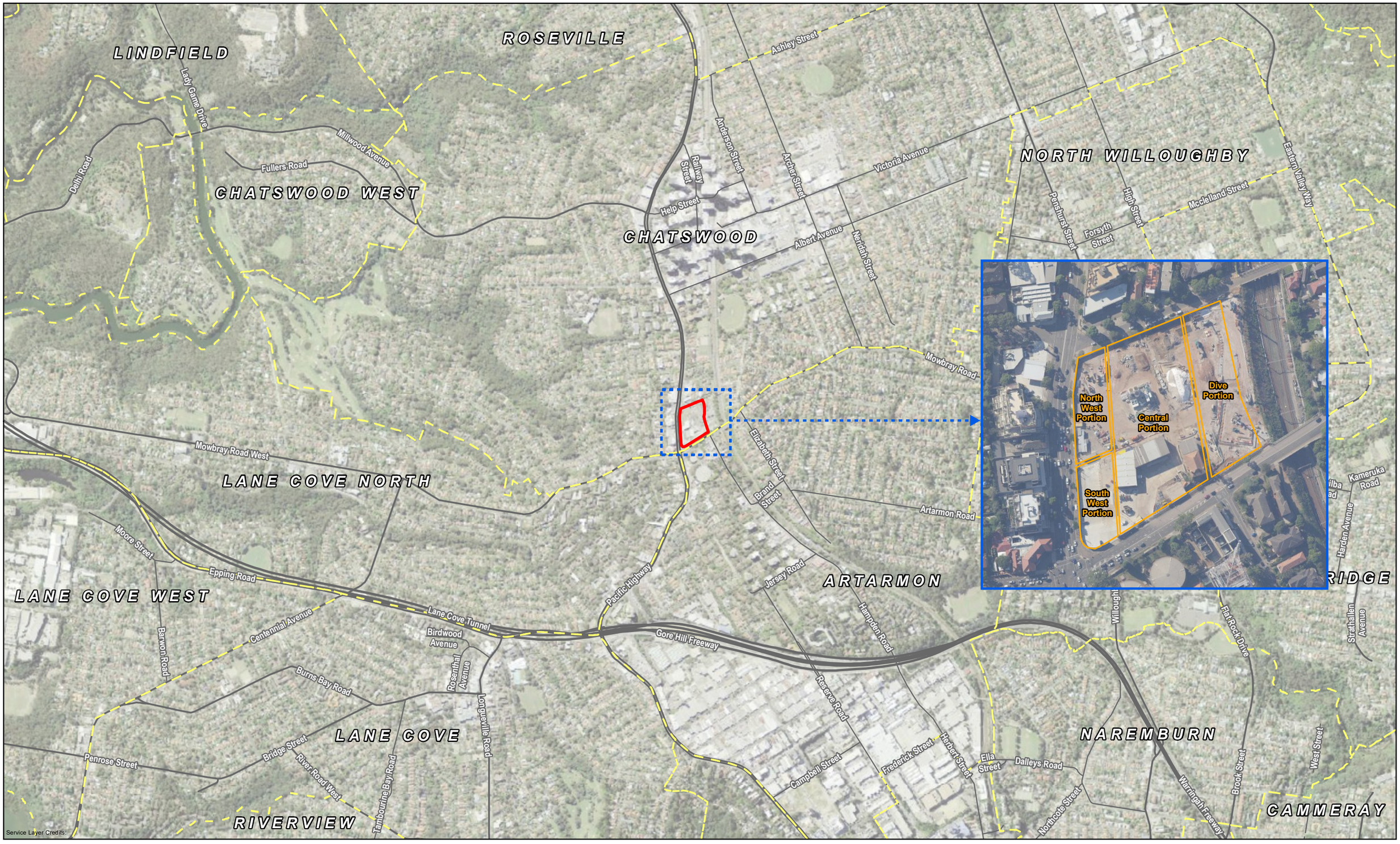
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Site boundary points

ID	X	Y
0	331478.697	6258115.124
1	331544.493	6258141.776
2	331547.461	6258142.979
3	331548.419	6258142.299
4	331549.767	6258140.433
5	331550.649	6258138.773
6	331551.426	6258137.685
7	331552.671	6258136.907
8	331554.382	6258136.181
9	331556.328	6258135.582
10	331558.789	6258134.989
11	331560.448	6258134.937
12	331562.677	6258134.937
13	331564.595	6258135.196
14	331566.773	6258135.974
15	331568.033	6258136.478
16	331568.684	6258136.738
17	331571.439	6258137.84
18	331572.424	6258134.211
19	331573.47	6258130.092
20	331574.125	6258127.551
21	331575.939	6258120.526
22	331576.015	6258120.233
23	331576.557	6258115.091
24	331576.878	6258109.703
25	331576.892	6258109.052
26	331576.293	6258105.019
27	331575.777	6258101.166
28	331576.529	6258101.043
29	331575.674	6258095.023
30	331576.016	6258094.79
31	331576.307	6258087.788
32	331576.907	6258080.85
33	331577.67	6258072.646
34	331578.782	6258069.502
35	331579.073	6258068.67
36	331583.023	6258058.456
37	331587.557	6258045.67
38	331598.456	6258014.936
39	331571.415	6257998.054
40	331498.963	6257952.819
41	331493.309	6257951.079
42	331487.533	6257952.356
43	331483.142	6257956.318
44	331481.28	6257961.932
45	331474.751	6258066.359
46	331474.468	6258076.479
47	331474.886	6258086.595
48	331476.001	6258096.657
49	331478.697	6258115.124

Mowbray House points

ID	X	Y
0	331565.653	6258042.235
1	331578.49	6258046.873
2	331582.925	6258035.02
3	331582.596	6258034.886
4	331589.323	6258016.623
5	331577.185	6258012.363
6	331573.856	6258021.665
7	331572.925	6258021.312
8	331569.458	6258030.892
9	331569.723	6258030.988
10	331565.653	6258042.235



Paper Size A3

0 125 250 Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND
- Site boundary
- Suburb
- Road

Sydney Metro
Contamination Summary Report

Job Number	21-25273
Revision	-
Date	16 Apr 2020

Site location

Figure 1

G:\21\25273\GIS\Maps\Deliverables\ChatswoodMetro\21_25273_Z003_ChatswoodMetro_Locality.mxd

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Paper Size A3

0 12.5 25 50

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Site boundary
- High density land use criteria (HIL/HSL B)
- High residential area
- Mowbray House heritage building
- Open space
- Through site road (scheme 2)
- Cadastre

Sydney Metro
Contamination Summary Report

Job Number 21-25273
Revision -
Date 22 Apr 2020

Concept Design
– Redevelopment Scheme 1

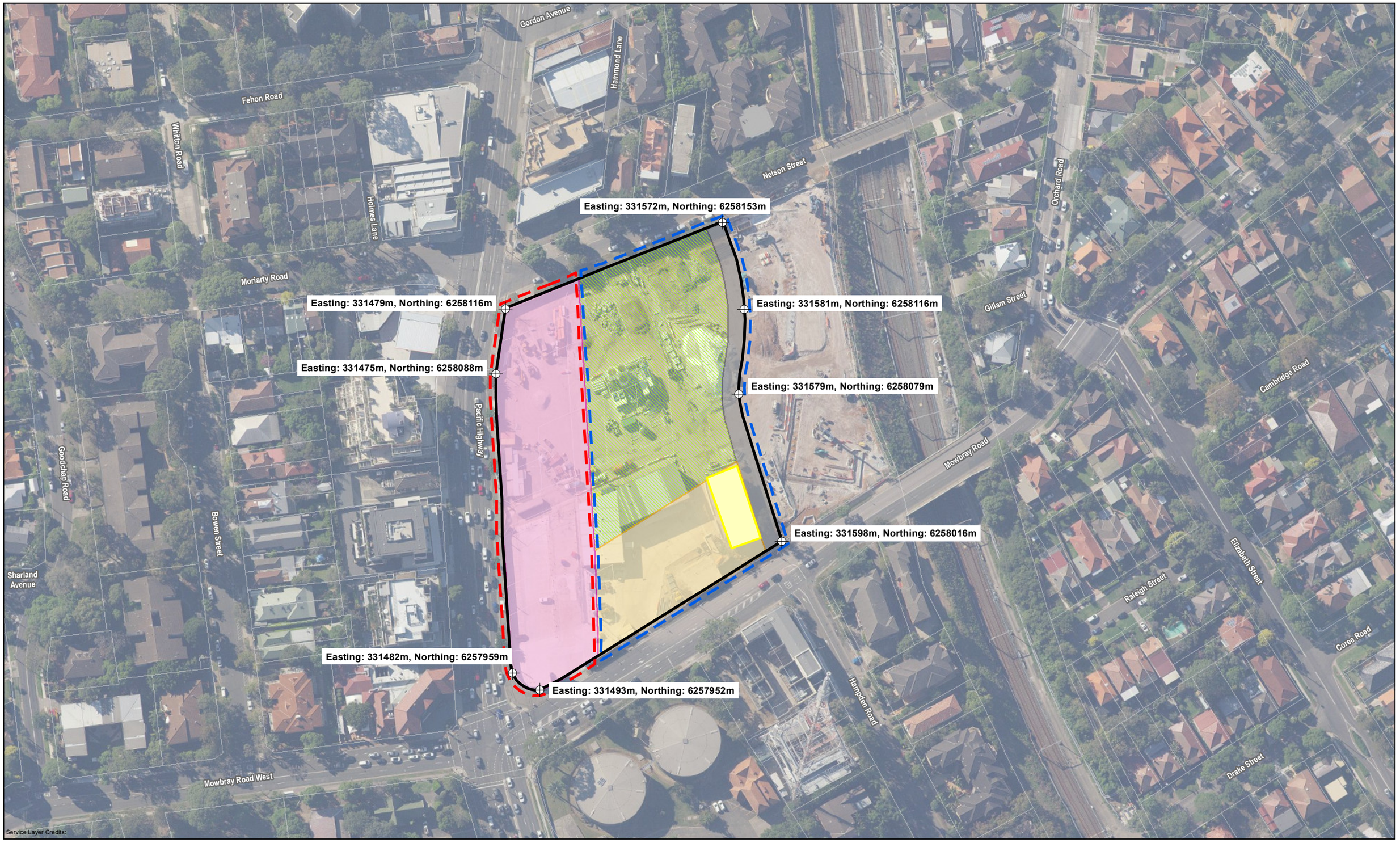
Figure 2

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Data source: Aerial imagery - sixmaps 2016, General topo - NSW LPI DTDB 2012. Created by:eibbertson

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Paper Size A3

0 12.5 25 50

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Site boundary
- High density land use criteria (HIL/HSL B)
- Low density land use criteria (HIL/HSL A)
- Primary school site
- High rise residential area
- Mowbray House heritage building
- Open space
- Through site road
- Cadastre

Sydney Metro
Contamination Summary Report

Concept Design
– Redevelopment Scheme 2

Job Number	21-25273
Revision	-
Date	22 Apr 2020

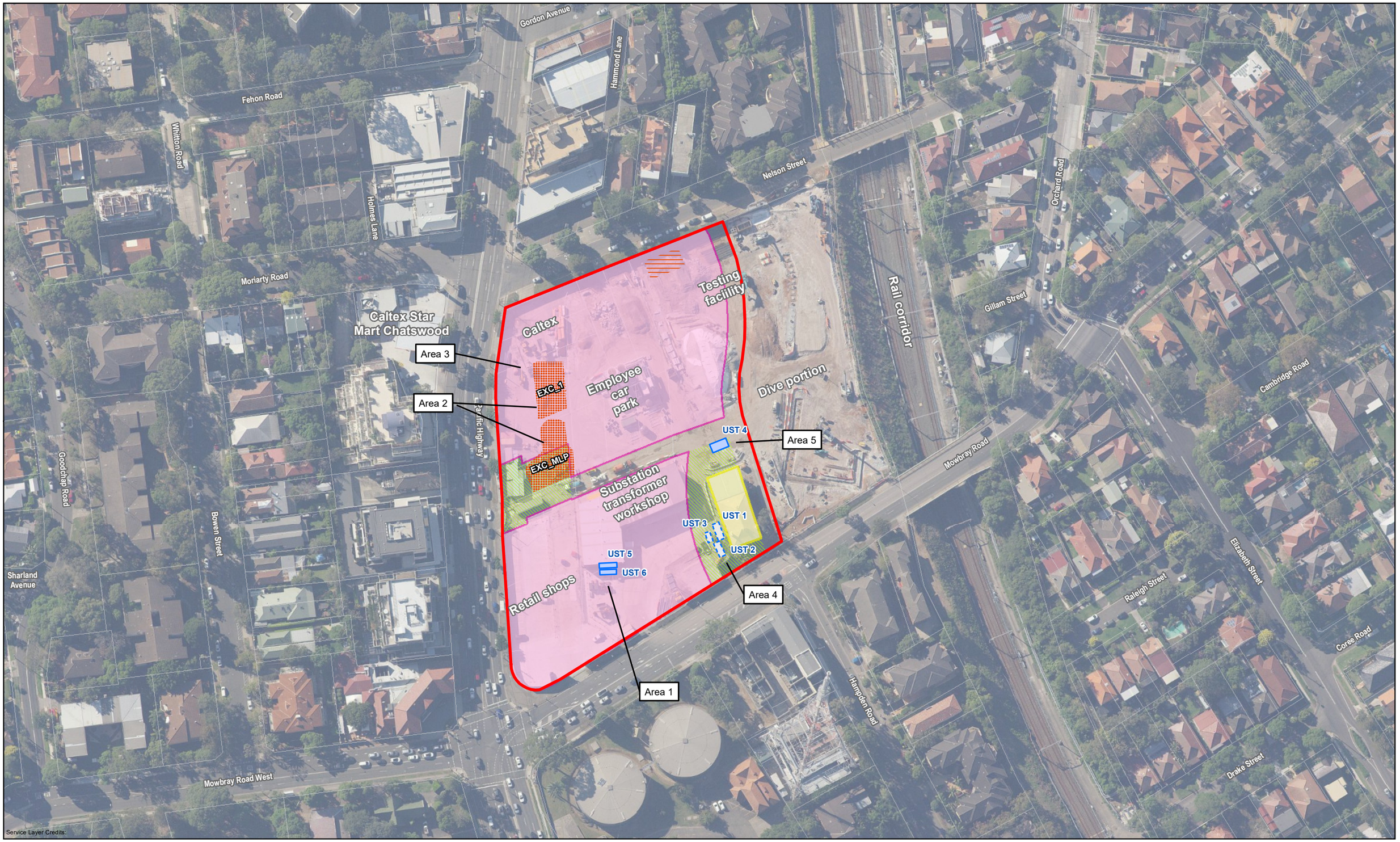
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Data source: Aerial imagery - sixmaps 2016, General topo - NSW LPI DTDB 2012. Created by:eibbertson

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Paper Size A3

0 12.5 25 50

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Site boundary
- High residential area
- Mowbray House heritage building
- Open space
- Through site road
- Cadastre
- Asbestos pit location
- Possible asbestos slab

Fuel storage tank location

- Removed
- In situ

Sydney Metro
Contamination Summary Report

Concept Design
– Redevelopment Scheme 1

Job Number	21-25273
Revision	-
Date	16 Apr 2020

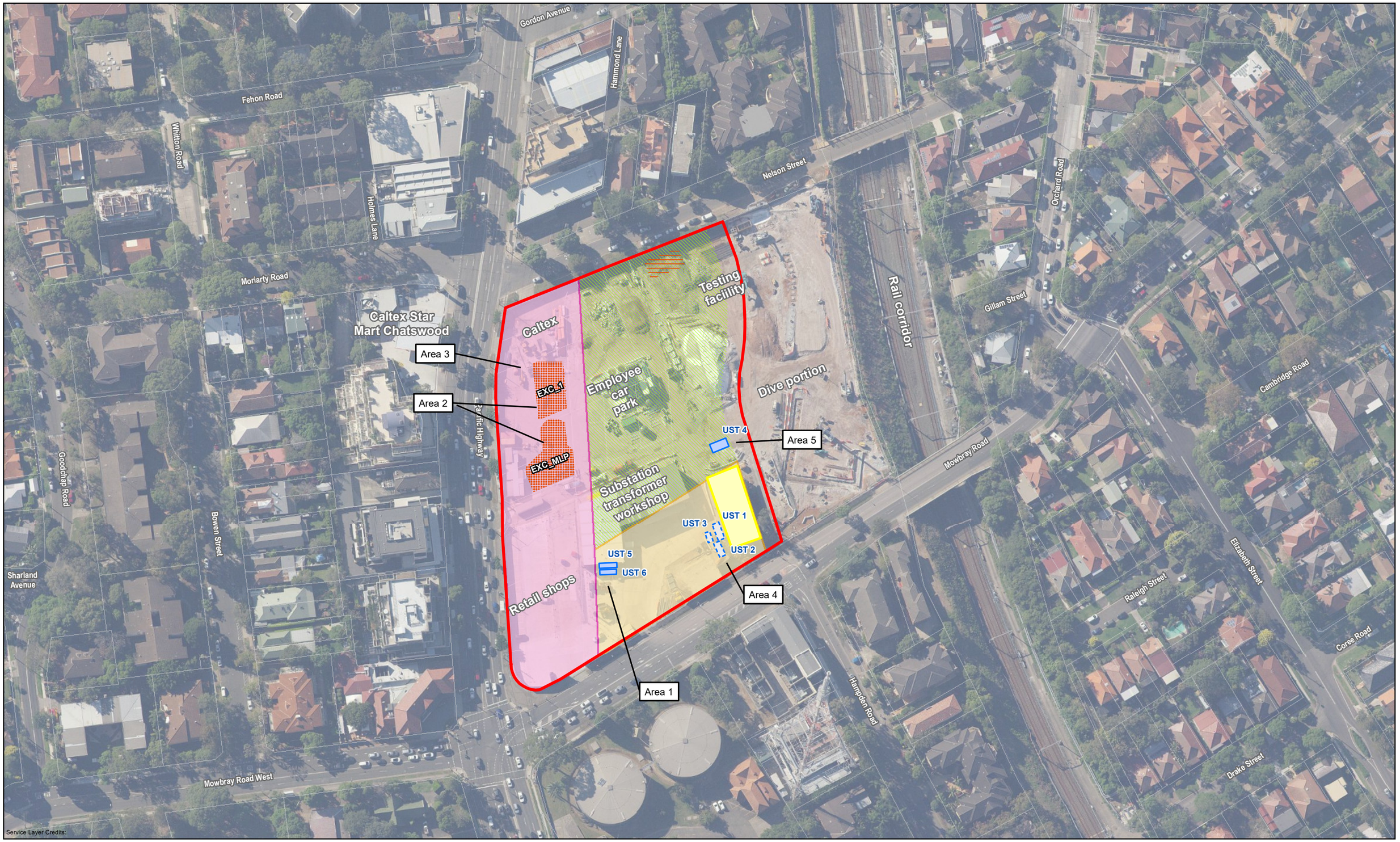
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Data source: Aerial imagery - sixmaps 2016, General topo - NSW LPI DTDB 2012. Created by:eibbertson

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Paper Size A3

0 12.5 25 50

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Site boundary
- Primary school site
- High rise residential area
- Mowbray House heritage building
- Open space
- Through site road
- Cadastre
- Asbestos pit location
- Possible asbestos slab

Fuel storage tank location

- Removed
- In situ

Sydney Metro
Contamination Summary Report

Job Number 21-25273
Revision -
Date 16 Apr 2020

Concept Design
- Redevelopment Scheme 2

Figure 4B

G:\21\25273\GIS\Maps\Deliverables\ChatswoodMetro\21_25273_Z025_ChatswoodMetro_ConceptDesign_FuelAbestos_Scheme2.mxd

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Paper Size A3

0 5 10 20

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Soil sample location
- Soil sample locations SS01 to SS17 (area)
- Remediation Excavation Footprint
- Site boundary
- Through site road
- Cadastre

Sydney Metro
Contamination Summary Report

Historical Soil Sampling Points and Remediation Excavation Footprint

Job Number	21-25273
Revision	-
Date	16 Apr 2020

Figure 5A

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Paper Size A3

0 5 10 20

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Monitoring well location
- Soil vapour probe location
- Remediation Excavation Footprint
- Site boundary
- Through site road
- Cadastre

Sydney Metro
Contamination Summary Report
Historical Groundwater Monitoring and Soil Vapour Points and Remediation Excavation Footprint

Job Number	21-25273
Revision	-
Date	16 Apr 2020

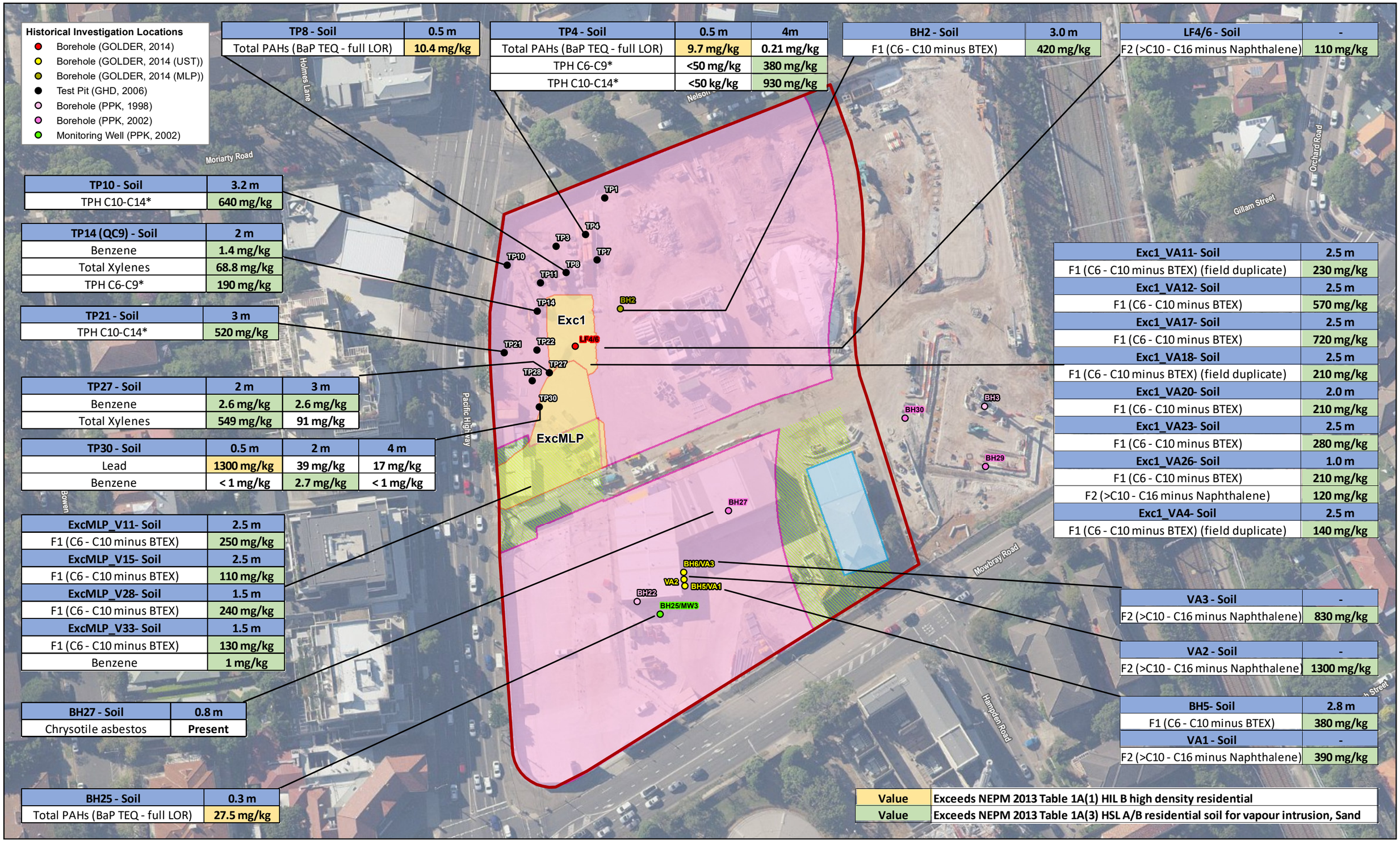
Figure 5B

G:\21\25273\GIS\Maps\Deliverables\ChatswoodMetro\21_25273_Z023_ChatswoodMetro_GeotechHistoricalInvestigations_GWSV.mxd

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TP8 - Soil	0.5 m
Total PAHs (BaP TEQ - full LOR)	10.4 mg/kg

TP4 - Soil	0.5 m	4m
Total PAHs (BaP TEQ - full LOR)	9.7 mg/kg	0.21 mg/kg
TPH C6-C9*	<50 mg/kg	380 mg/kg
TPH C10-C14*	<50 kg/kg	930 mg/kg

BH2 - Soil	3.0 m
F1 (C6 - C10 minus BTEX)	420 mg/kg

LF4/6 - Soil	-
F2 (>C10 - C16 minus Naphthalene)	110 mg/kg

TP10 - Soil	3.2 m
TPH C10-C14*	640 mg/kg

TP14 (QC9) - Soil	2 m
Benzene	1.4 mg/kg
Total Xylenes	68.8 mg/kg
TPH C6-C9*	190 mg/kg

TP21 - Soil	3 m
TPH C10-C14*	520 mg/kg

TP27 - Soil	2 m	3 m
Benzene	2.6 mg/kg	2.6 mg/kg
Total Xylenes	549 mg/kg	91 mg/kg

TP30 - Soil	0.5 m	2 m	4 m
Lead	1300 mg/kg	39 mg/kg	17 mg/kg
Benzene	< 1 mg/kg	2.7 mg/kg	< 1 mg/kg

ExcMLP_V11- Soil	2.5 m
F1 (C6 - C10 minus BTEX)	250 mg/kg
ExcMLP_V15- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX)	110 mg/kg
ExcMLP_V28- Soil	**1.5 m**
F1 (C6 - C10 minus BTEX)	240 mg/kg
ExcMLP_V33- Soil	**1.5 m**
F1 (C6 - C10 minus BTEX)	130 mg/kg
Benzene	1 mg/kg

BH27 - Soil	0.8 m
Chrysotile asbestos	Present

BH25 - Soil	0.3 m
Total PAHs (BaP TEQ - full LOR)	27.5 mg/kg

Exc1_VA11- Soil	2.5 m
F1 (C6 - C10 minus BTEX) (field duplicate)	230 mg/kg
Exc1_VA12- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX)	570 mg/kg
Exc1_VA17- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX)	720 mg/kg
Exc1_VA18- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX) (field duplicate)	210 mg/kg
Exc1_VA20- Soil	**2.0 m**
F1 (C6 - C10 minus BTEX)	210 mg/kg
Exc1_VA23- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX)	280 mg/kg
Exc1_VA26- Soil	**1.0 m**
F1 (C6 - C10 minus BTEX)	210 mg/kg
F2 (>C10 - C16 minus Naphthalene)	120 mg/kg
Exc1_VA4- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX) (field duplicate)	140 mg/kg

VA3 - Soil	-
F2 (>C10 - C16 minus Naphthalene)	830 mg/kg

VA2 - Soil	-
F2 (>C10 - C16 minus Naphthalene)	1300 mg/kg

BH5- Soil	2.8 m
F1 (C6 - C10 minus BTEX)	380 mg/kg
VA1 - Soil	**-**
F2 (>C10 - C16 minus Naphthalene)	390 mg/kg

Value	Exceeds NEPM 2013 Table 1A(1) HIL B high density residential
Value	Exceeds NEPM 2013 Table 1A(3) HSL A/B residential soil for vapour intrusion, Sand

Paper Size A3

0 5 10 20

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

Buried asbestos pit
Site boundary
High residential area
Mowbray House heritage building
Open space
Through site road

Sydney Metro
Contamination Summary Report

Soil Exceedances
Human Health
– Redevelopment Scheme 1

Job Number	21-25273
Revision	-
Date	16 Apr 2020

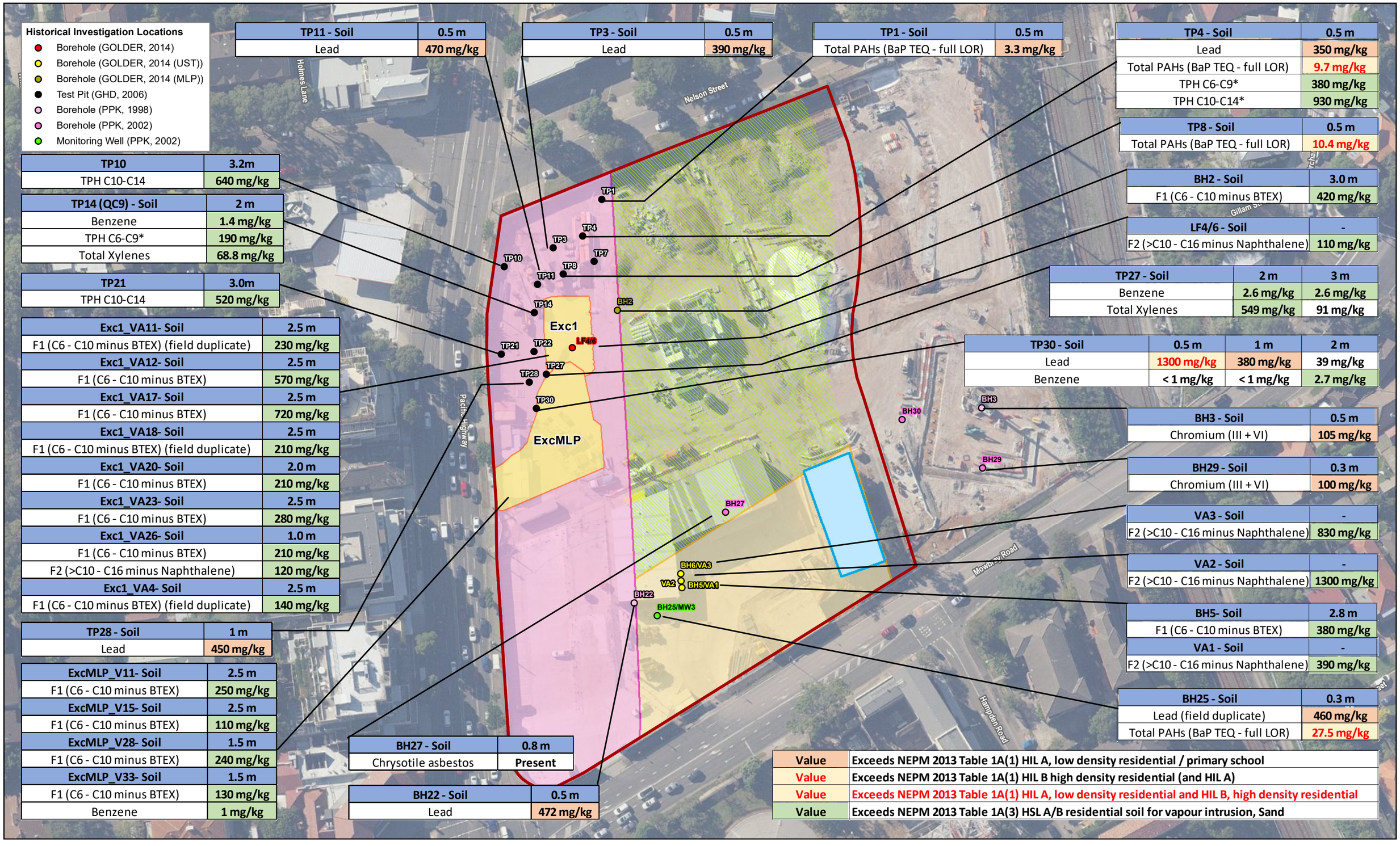
Figure 6A

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TP11 - Soil	0.5 m
Lead	470 mg/kg

TP3 - Soil	0.5 m
Lead	390 mg/kg

TP1 - Soil	0.5 m
Total PAHs (BaP TEQ - full LOR)	3.3 mg/kg

TP4 - Soil	0.5 m
Lead	350 mg/kg
Total PAHs (BaP TEQ - full LOR)	9.7 mg/kg
TPH C6-C9*	380 mg/kg
TPH C10-C14*	930 mg/kg

TP8 - Soil	0.5 m
Total PAHs (BaP TEQ - full LOR)	10.4 mg/kg

TP10	3.2m
TPH C10-C14	640 mg/kg

TP14 (QC9) - Soil	2 m
Benzene	1.4 mg/kg
TPH C6-C9*	190 mg/kg
Total Xylenes	68.8 mg/kg

TP21	3.0m
TPH C10-C14	520 mg/kg

Exc1_VA11- Soil	2.5 m
F1 (C6 - C10 minus BTEX) (field duplicate)	230 mg/kg
Exc1_VA12- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX)	570 mg/kg
Exc1_VA17- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX)	720 mg/kg
Exc1_VA18- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX) (field duplicate)	210 mg/kg
Exc1_VA20- Soil	**2.0 m**
F1 (C6 - C10 minus BTEX)	210 mg/kg
Exc1_VA23- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX)	280 mg/kg
Exc1_VA26- Soil	**1.0 m**
F1 (C6 - C10 minus BTEX)	210 mg/kg
F2 (>C10 - C16 minus Naphthalene)	120 mg/kg
Exc1_VA4- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX) (field duplicate)	140 mg/kg

TP28 - Soil	1 m
Lead	450 mg/kg

ExcMLP_V11- Soil	2.5 m
F1 (C6 - C10 minus BTEX)	250 mg/kg
ExcMLP_V15- Soil	**2.5 m**
F1 (C6 - C10 minus BTEX)	110 mg/kg
ExcMLP_V28- Soil	**1.5 m**
F1 (C6 - C10 minus BTEX)	240 mg/kg
ExcMLP_V33- Soil	**1.5 m**
F1 (C6 - C10 minus BTEX)	130 mg/kg
Benzene	1 mg/kg

BH27 - Soil	0.8 m
Chrysotile asbestos	Present

BH22 - Soil	0.5 m
Lead	472 mg/kg

BH2 - Soil	3.0 m
F1 (C6 - C10 minus BTEX)	420 mg/kg

LF4/6 - Soil	-
F2 (>C10 - C16 minus Naphthalene)	110 mg/kg

TP27 - Soil	2 m	3 m
Benzene	2.6 mg/kg	2.6 mg/kg
Total Xylenes	549 mg/kg	91 mg/kg

TP30 - Soil	0.5 m	1 m	2 m
Lead	1300 mg/kg	380 mg/kg	39 mg/kg
Benzene	< 1 mg/kg	< 1 mg/kg	2.7 mg/kg

BH3 - Soil	0.5 m
Chromium (III + VI)	105 mg/kg

BH29 - Soil	0.3 m
Chromium (III + VI)	100 mg/kg

VA3 - Soil	-
F2 (>C10 - C16 minus Naphthalene)	830 mg/kg

VA2 - Soil	-
F2 (>C10 - C16 minus Naphthalene)	1300 mg/kg

BH5- Soil	2.8 m
F1 (C6 - C10 minus BTEX)	380 mg/kg
VA1 - Soil	**-**
F2 (>C10 - C16 minus Naphthalene)	390 mg/kg

BH25 - Soil	0.3 m
Lead (field duplicate)	460 mg/kg
Total PAHs (BaP TEQ - full LOR)	27.5 mg/kg

Value	Exceeds NEPM 2013 Table 1A(1) HIL A, low density residential / primary school
Value	Exceeds NEPM 2013 Table 1A(1) HIL B high density residential (and HIL A)
Value	Exceeds NEPM 2013 Table 1A(1) HIL A, low density residential and HIL B, high density residential
Value	Exceeds NEPM 2013 Table 1A(3) HSL A/B residential soil for vapour intrusion, Sand

Paper Size A3

0 5 10 20

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Buried asbestos pit
- Site boundary
- Primary school site
- High rise residential area
- Mowbray House heritage building
- Open space
- Through site road

Sydney Metro
Contamination Summary Report

Soil Exceedances
Human Health
– Redevelopment Scheme 2

Job Number 21-25273
Revision -
Date 16 Apr 2020

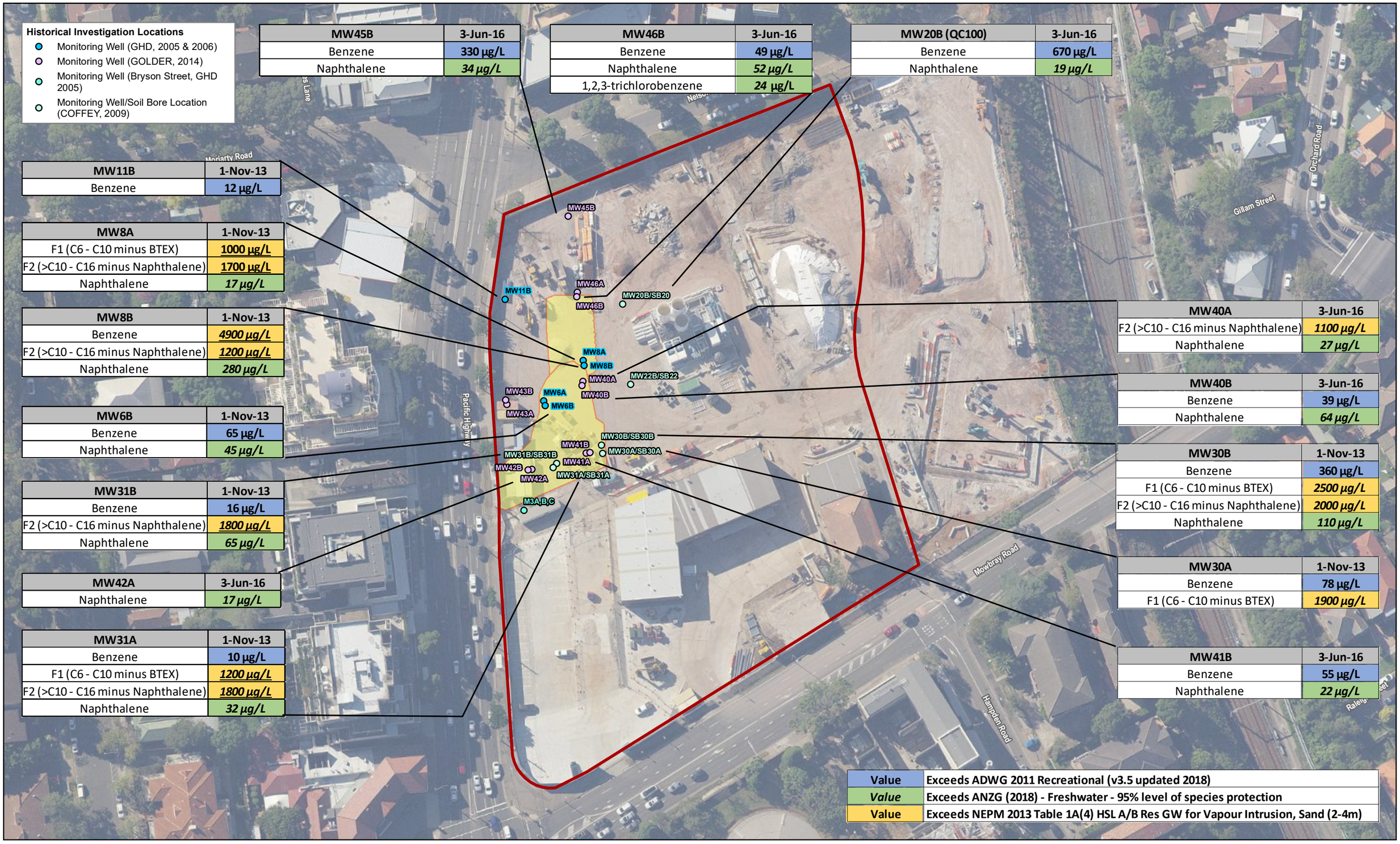
Figure 6B

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MW45B	3-Jun-16
Benzene	330 µg/L
Naphthalene	*34 µg/L*

MW46B	3-Jun-16
Benzene	49 µg/L
Naphthalene	*52 µg/L*
1,2,3-trichlorobenzene	*24* µg/L

MW20B (QC100)	3-Jun-16
Benzene	670 µg/L
Naphthalene	*19 µg/L*

MW11B	1-Nov-13
Benzene	12 µg/L

MW8A	1-Nov-13
F1 (C6 - C10 minus BTEX)	1000 µg/L
F2 (>C10 - C16 minus Naphthalene)	1700 µg/L
Naphthalene	*17 µg/L*

MW8B	1-Nov-13
Benzene	*4900 µg/L*
F2 (>C10 - C16 minus Naphthalene)	*1200 µg/L*
Naphthalene	*280 µg/L*

MW6B	1-Nov-13
Benzene	65 µg/L
Naphthalene	*45 µg/L*

MW31B	1-Nov-13
Benzene	16 µg/L
F2 (>C10 - C16 minus Naphthalene)	*1800 µg/L*
Naphthalene	*65 µg/L*

MW42A	3-Jun-16
Naphthalene	*17 µg/L*

MW31A	1-Nov-13
Benzene	10 µg/L
F1 (C6 - C10 minus BTEX)	*1200 µg/L*
F2 (>C10 - C16 minus Naphthalene)	*1800 µg/L*
Naphthalene	*32 µg/L*

MW40A	3-Jun-16
F2 (>C10 - C16 minus Naphthalene)	*1100 µg/L*
Naphthalene	*27 µg/L*

MW40B	3-Jun-16
Benzene	39 µg/L
Naphthalene	*64 µg/L*

MW30B	1-Nov-13
Benzene	360 µg/L
F1 (C6 - C10 minus BTEX)	*2500 µg/L*
F2 (>C10 - C16 minus Naphthalene)	*2000 µg/L*
Naphthalene	*110 µg/L*

MW30A	1-Nov-13
Benzene	78 µg/L
F1 (C6 - C10 minus BTEX)	*1900 µg/L*

MW41B	3-Jun-16
Benzene	55 µg/L
Naphthalene	*22 µg/L*

Value	Exceeds ADWG 2011 Recreational (v3.5 updated 2018)
Value	Exceeds ANZG (2018) - Freshwater - 95% level of species protection
Value	Exceeds NEPM 2013 Table 1A(4) HSL A/B Res GW for Vapour Intrusion, Sand (2-4m)

Paper Size A3

0 5 10 20

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND
- Site boundary
- Buried asbestos pit
- Through site road

Sydney Metro
Contamination Summary Report

Job Number 21-25273
Revision -
Date 16 Apr 2020

Groundwater Exceedances – Schemes 1 & 2

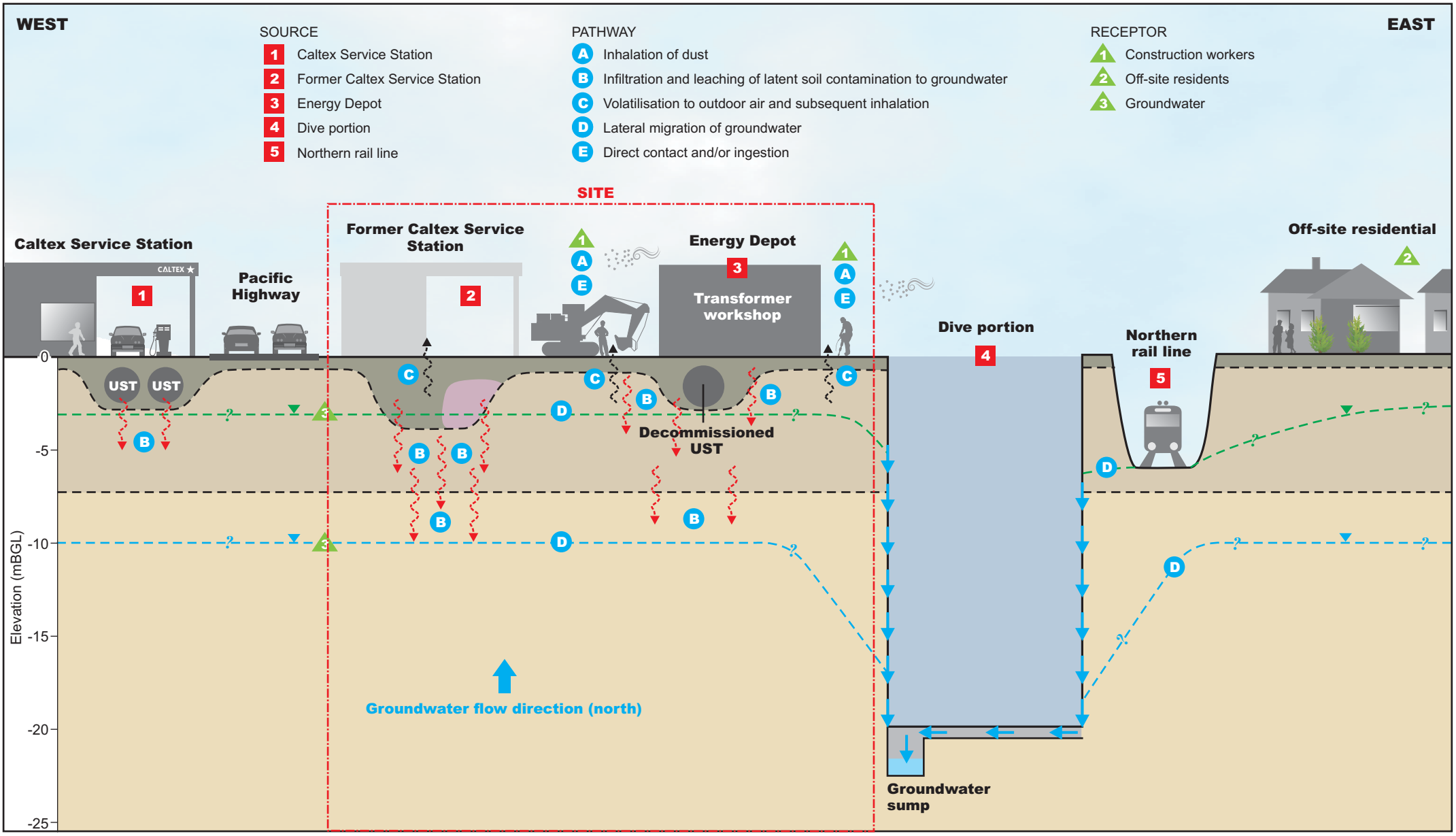
Figure 6C

G:\21\25273\GIS\Maps\Deliverables\ChatswoodMetro\21_25273_Z015_ChatswoodMetro_GeotechHistoricalInvestigations_GW_Scheme1Scheme2.mxd

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Conceptual diagram only - scale is approximate

LEGEND

- Fill
- Residual soil
- Ashfield Shale
- Buried asbestos
- Shallow groundwater table
- Deep groundwater table
- Volatilisation
- Migration

Sydney Metro Project: Contamination Summary Report

Conceptual Site Model Pre-Redevelopment Phase

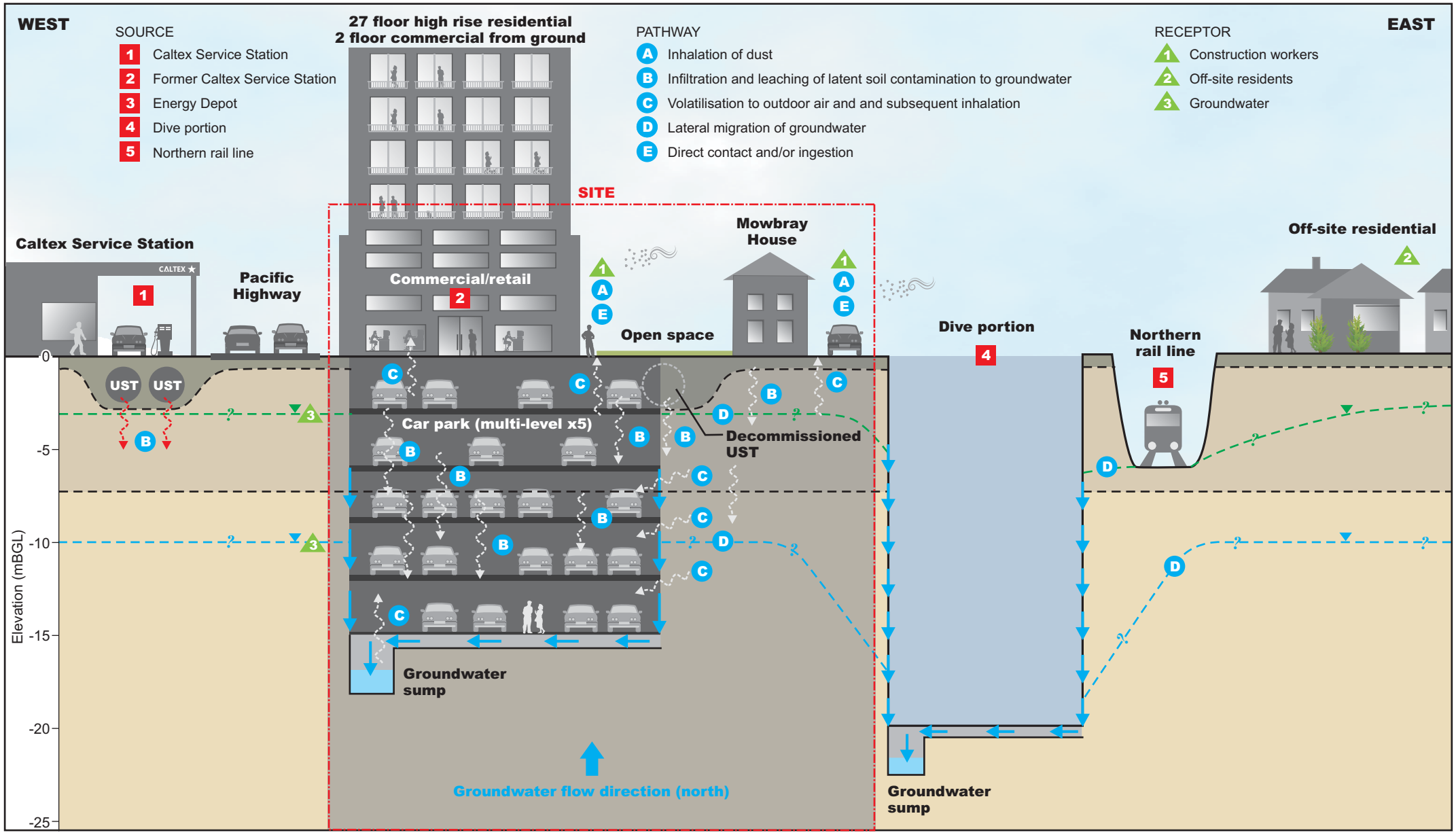
Job Number	21-25273
Revision	0
Date	30 Mar 2020

Figure 7

GHD\Launceston\Projects\21\25273\2125273_LTN_01.cdr

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Conceptual diagram only - scale is approximate

LEGEND

- Fill
- Residual soil
- Ashfield Shale
- Buried asbestos
- Shallow groundwater table
- Deep groundwater table
- Volatilisation
- Migration

Sydney Metro Project: Contamination Summary Report

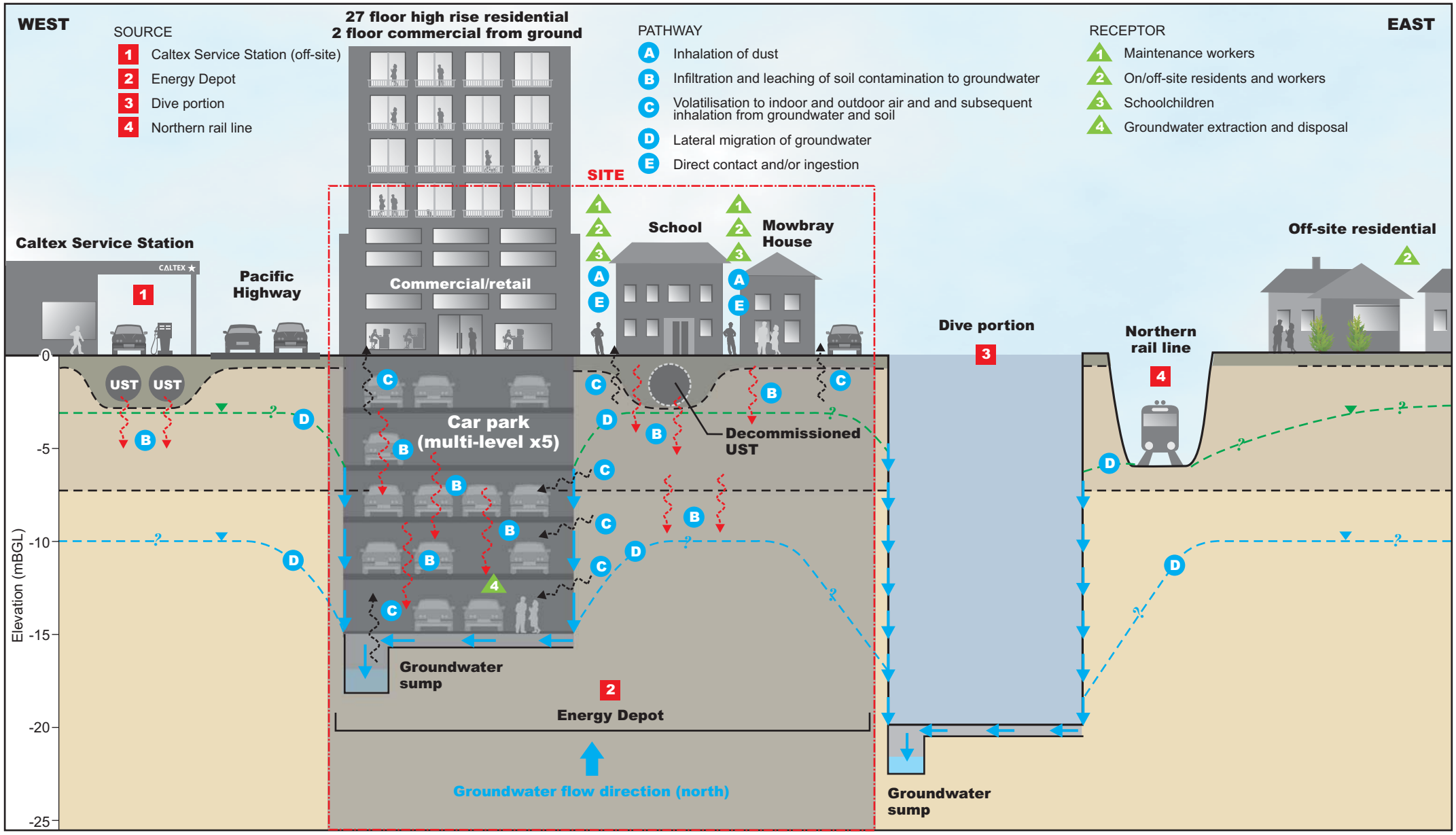
Conceptual Site Model Scheme 1

Job Number	21-25273
Revision	0
Date	30 Mar 2020

Figure 8

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Conceptual diagram only - scale is approximate

LEGEND

- Fill
- Residual soil
- Ashfield Shale
- Shallow groundwater table
- Deep groundwater table
- Volatilisation
- Migration

Sydney Metro Project: Contamination Summary Report

Conceptual Site Model Scheme 2

Job Number	21-25273
Revision	0
Date	30 Mar 2020

Figure 9

GHD\Launceston\Projects\21\25273\2125273_LTN_03.cdr

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Paper Size A3

0 5 10 20

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Soil sample location
- Soil sample locations SS01 to SS17 (area)
- Remediation Excavation Footprint
- Site boundary
- Through site road
- Cadastre

Sydney Metro

Historical Soil Sampling Points and Remediation Excavation Footprint

Job Number	21-25273
Revision	-
Date	26 Mar 2020

Figure 5A

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Paper Size A3

0 5 10 20

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

LEGEND

- Monitoring well location
- Soil vapour probe location
- Remediation Excavation Footprint
- Site boundary
- Through site road
- Cadastre

Sydney Metro

Historical Groundwater Monitoring and Soil Vapour Points and Remediation Excavation Footprint

Job Number 21-25273
Revision -
Date 26 Mar 2020

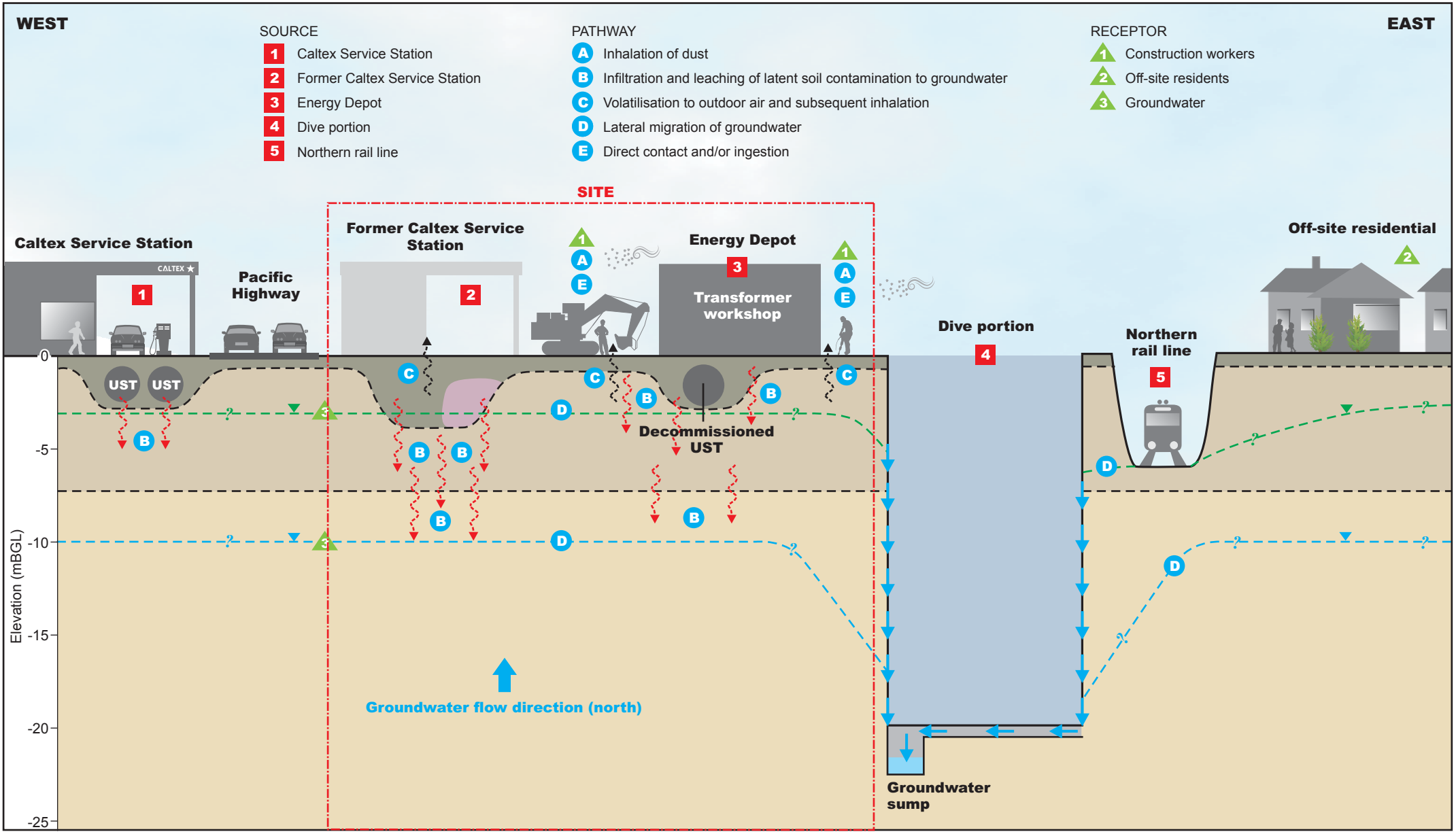
Figure 5B

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Level 15, 133 Castlereagh Street Sydney NSW 2000 **T** 61 2 9239 7100 **F** 61 2 9239 7199 **E** sydmail@ghd.com.au **W** www.ghd.com.au



Conceptual diagram only - scale is approximate

LEGEND

- Fill
- Residual soil
- Ashfield Shale
- Buried asbestos
- Shallow groundwater table
- Deep groundwater table
- Volatilisation
- Migration

Sydney Metro Project: Contamination Summary Report

Conceptual Site Model Pre-Redevelopment Phase

Job Number	21-25273
Revision	0
Date	30 Mar 2020

Figure 7

GHD\Launceston\Projects\21\25273\2125273_LTN_01.cdr

Level 15, 133 Castlereagh Street Sydney NSW 2000 **T** 61 2 9239 7100 **F** 61 2 9239 7199 **E** sydmail@ghd.com **W** www.ghd.com

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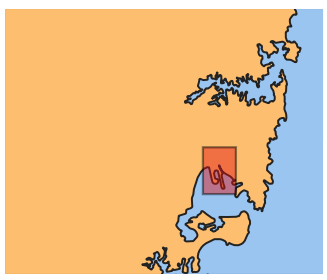
Figure 1: Site Location

Sydney Metro - Chatswood Data Gap Investigation

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Legend

- Site Boundary
- Dive Portion
- Asbestos Pit Location
- Underground Storage Tanks
- Possible Asbestos Slab
- Mowbray House Heritage Buildling
- Areas of Interest
- Former Road



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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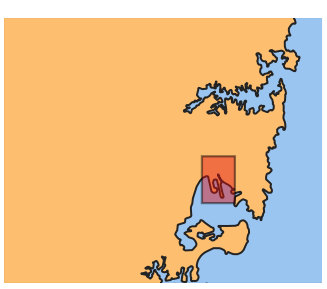
Figure 2: Metro Redevelopment Scheme

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Legend

- Site Boundary
- High Rise Residential Area
- Open Space
- Underground Storage Tanks
- Possible Asbestos Slab
- Asbestos Pit Location
- Roadway



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

nation partners



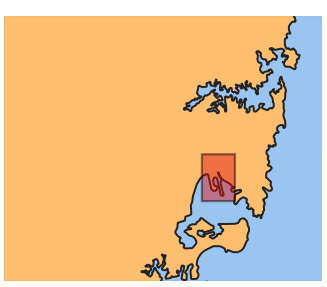
Figure 3: Education Redevelopment Scheme

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Legend

- Site Boundary
- High Rise Residential Area
- Open Space
- Primary School Site
- Underground Storage Tanks
- Possible Asbestos Slab
- Asbestos Pit Location



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

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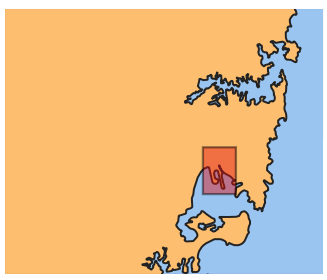
Figure 4: Stage 1 Sampling Locations

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Legend

- Site Boundary
- Stage 1 Sampling Areas
- Mowbray House Heritage Building
- Asbestos Pit Location
- Underground Storage Tanks
- Possible Asbestos Slab
- Monitoring Well - Stage 1
- Soil Bore - Stage 1
- Soil Vapour - Stage 1
- Sampling locations not completed



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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Figure 5: Stage 2 Sampling Locations

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Legend

- Site Boundary
- Underground Storage Tanks
- Possible Asbestos Slab
- Asbestos Pit Location
- Monitoring Well - Stage 1
- Pre-existing Monitoring Well
- Monitoring Well - Stage 2

DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

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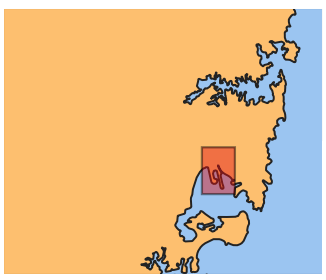
Figure 6: Stage 1 Inferred Groundwater Levels

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Legend

- Site Boundary
- Monitoring Wells
- Inferred Groundwater Level - 2 July 2020 (mAHD)
- Approximate Groundwater Flow Direction
- Underground Storage Tanks



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

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nation partners



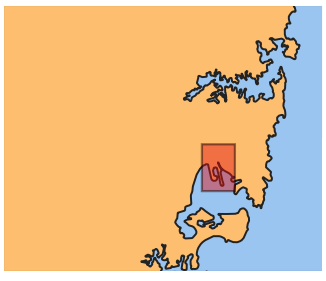
Figure 7: Stage 2 Inferred Groundwater Levels

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Legend

- Site Boundary
- Monitoring Wells
- Inferred Groundwater Level - 7 October 2020 (mAHD)
- Approximate Groundwater Flow Direction
- Underground Storage Tanks



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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Figure 8: Soil Exceedances

Sydney Metro - Chatswood
Data Gap Investigation

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Legend

- Site Boundary
- Underground Storage Tanks
- Asbestos Pit Location
- Possible Asbestos Slab
- Exceeds NEPM 2013 HIL A
- Exceeds NEPM 2013 HSL A/B
- Exceeds NEPM 2013 ESL for Urban Residential
- Asbestos detected

DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000
5 0 5 10 15 20 25 m

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Figure 9: Stage 1 Groundwater Exceedances

Sydney Metro - Chatswood Data Gap Investigation

Legend

Site Boundary

Groundwater Monitoring Wells

DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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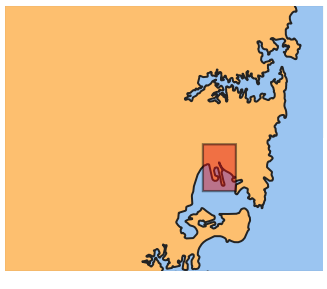
Figure 10: Stage 2 Groundwater Exceedances

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Legend

- Site Boundary
- Groundwater Monitoring Wells



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

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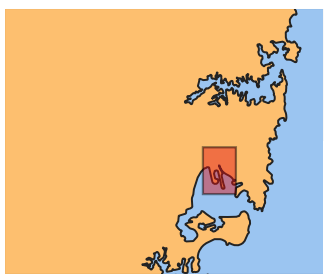
Figure 11: Historical Groundwater Exceedances

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Legend

- Site Boundary
- Underground Storage Tanks
- Historical Monitoring Wells (GHD 2020a)



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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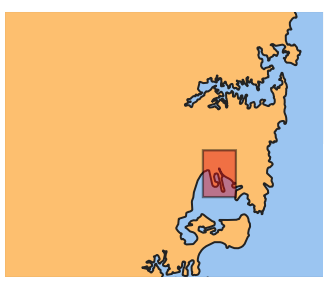
Figure 12: ENM Classification Absolute Maximum Exceedances

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Legend

- Site Boundary
- Possible Asbestos Slab
- Asbestos Pit Location
- Soil Borehole Location
- Underground Storage Tanks



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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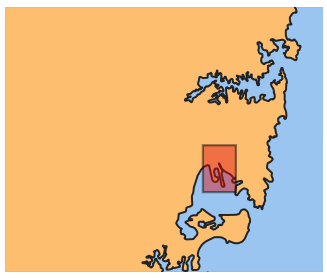
Figure 1: Site Location

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Chatswood Site

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Legend

- Site Boundary
- Dive Portion
- Asbestos Pit Location
- Underground Storage Tanks
- Possible Asbestos Slab
- Mowbray House Heritage Buildling
- Areas of Interest
- Former Road



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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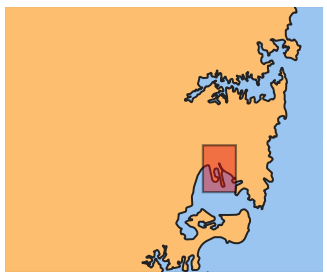
Figure 2: Data Gap Investigation Sampling Locations

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Legend

- Site Boundary
- Stage 1 Sampling Areas
- Mowbray House Heritage Building
- Asbestos Pit Location
- Underground Storage Tanks
- Possible Asbestos Slab
- Monitoring Well - Stage 1
- Soil Vapour - Stage 1
- Soil Borehole - Stage 1
- Monitoring Well - Stage 2



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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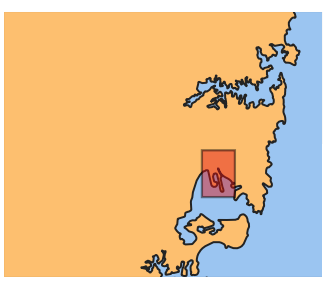
Figure 3a: Stage 1 Inferred Groundwater Levels

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Legend

- Site Boundary
- Monitoring Wells
- Inferred Groundwater Level - 2 July 2020 (mAHD)
- Approximate Groundwater Flow Direction
- Underground Storage Tanks



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

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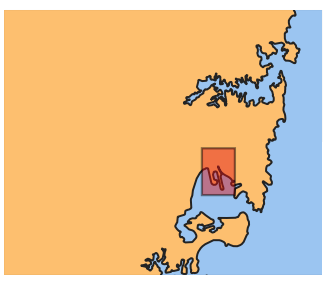
Figure 3b: Stage 2 Inferred Groundwater Levels

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Legend

- Site Boundary
- Monitoring Wells
- Inferred Groundwater Level - 7 October 2020 (mAHD)
- Approximate Groundwater Flow Direction
- Underground Storage Tanks



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

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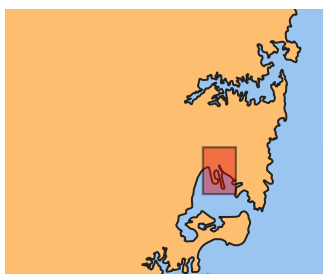
Figure 4: Soil Exceedances

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Legend

- Site Boundary
- Underground Storage Tanks
- Asbestos Pit Location
- Possible Asbestos Slab
- Exceeds NEPM 2013 HIL A
- Exceeds NEPM 2013 HSL A/B
- Exceeds NEPM 2013 ESL for Urban Residential
- Asbestos detected



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

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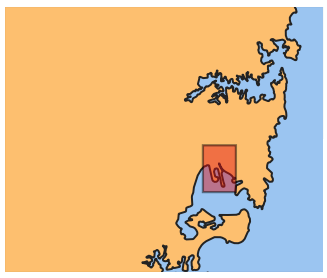
Figure 5a: Stage 1 Groundwater Exceedances

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Chatswood Site

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Legend

- Site Boundary
- Groundwater Monitoring Wells



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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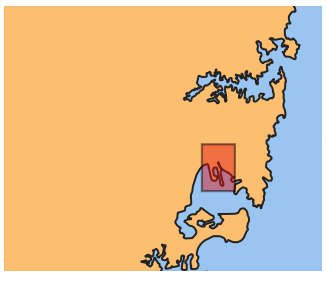
Figure 5b: Stage 2 Groundwater Exceedances

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Chatswood Site

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Legend

- Site Boundary
- Groundwater Monitoring Wells



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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SRT-PT025	9.4m	11.7m
Chromium	280 mg/kg	-
TPH C10-C36	800 mg/kg	590 mg/kg

SRT-PT017	7.0m
BaP	1.3 mg/kg

SRT-PT026	3.5m
TPH C10-C36	670 mg/kg

SRT-PT025
SRT-PT017
SRT-PT026
UST 1
UST 2
UST 3
UST 4
UST 5
UST 6
Pacific Highway
Mowbray Road

Exceeds NSW 2014 Excavated Natural Material (Absolute Maximum)
Only materials identifed as natural soils in borelogs were assessed

Figure 6: ENM Classification

Sydney Metro - Remediation Action Plan
Chatswood Site

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Legend

- Site Boundary
- Asbestos Pit Location
- Underground Storage Tanks
- Possible Asbestos Slab
- Soil Borehole Location

DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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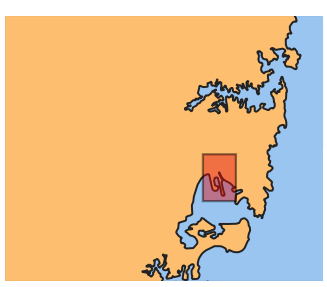
Figure 7: Additional Sampling Areas

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Chatswood Site

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Legend

- Site Boundary
- Mowbray House Heritage Buildling
- Asbestos in soils investigation
- Footprint of the former energy building



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

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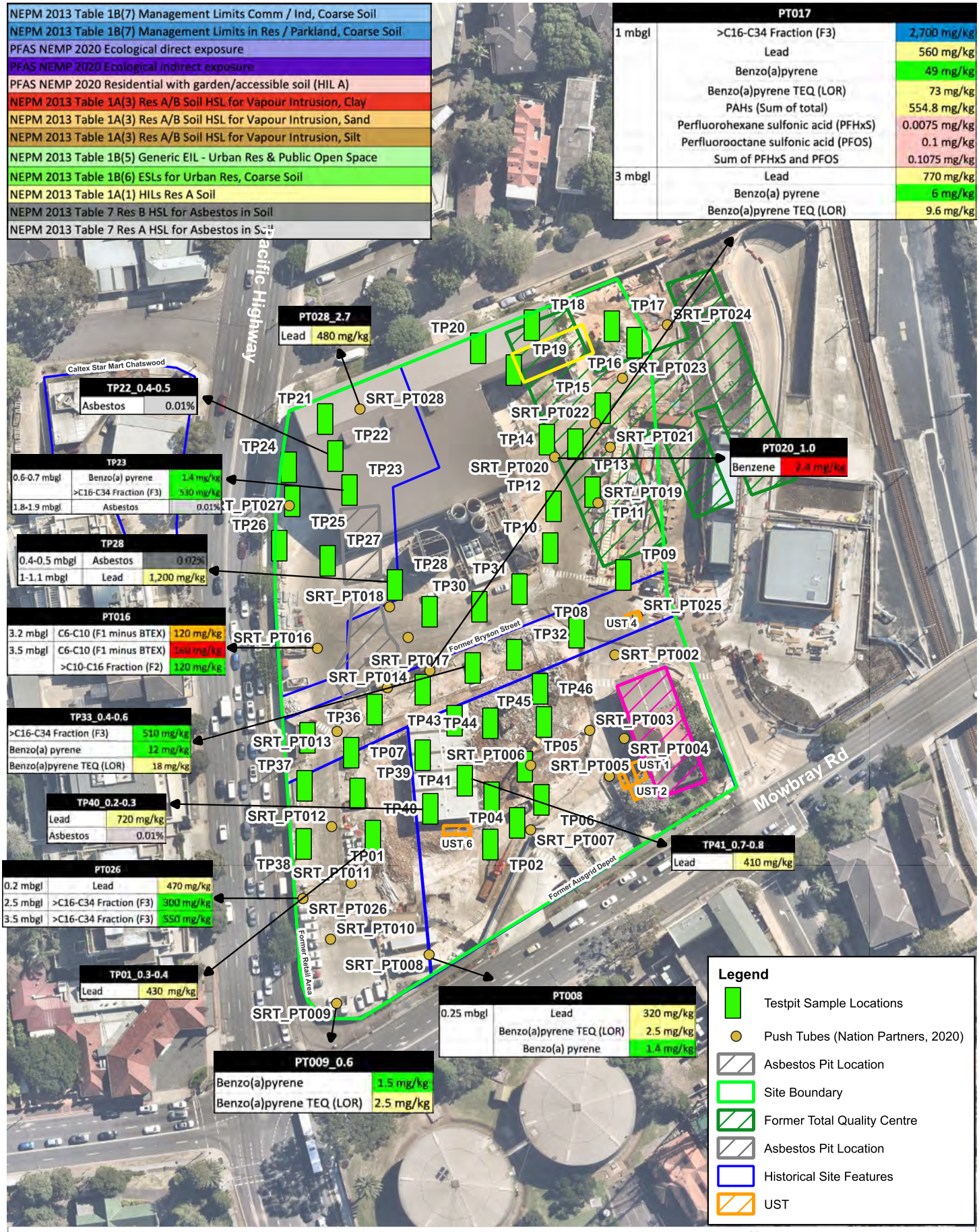


Figure 1: Human Health and Ecological Exceedances

Chatswood Pre-Remediation Investigation - Remedial Action Plan Addendum

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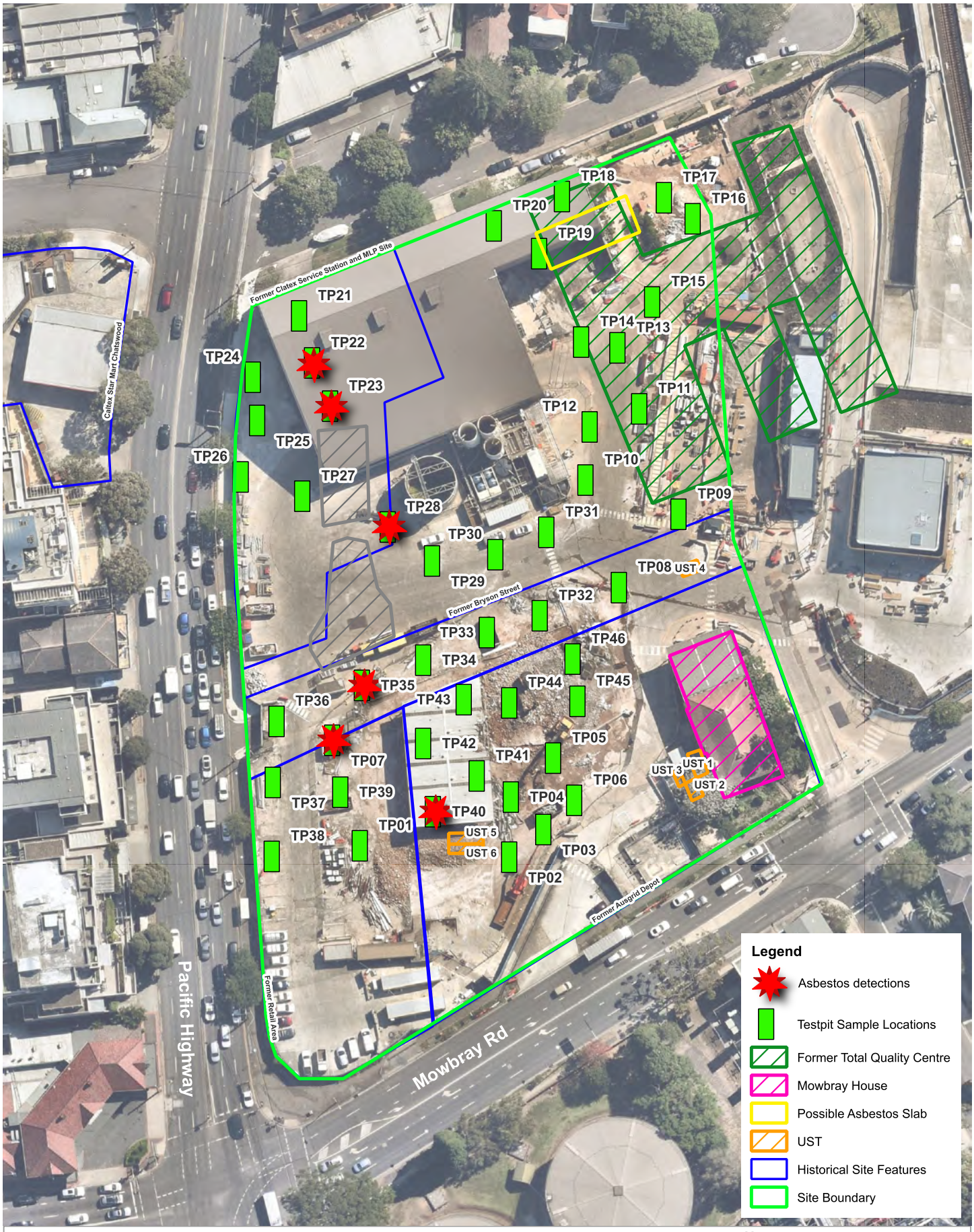


Figure 2: Asbestos Detections

Chatswood Pre-Remediation Investigation
Remedial Action Plan Addendum



N

DATA SOURCE
Imagery: Nearmap, 2023

SCALE
0 10 20 30 40 m

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Figure 3: Previous Remediation Extent

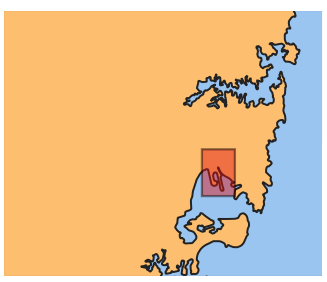
Chatswood Pre-Remediation Investigation

Remedial Action Plan Addendum

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Legend

- Site Boundary
- Asbestos Pit Location
- Underground Storage Tanks
- Possible Asbestos Slab
- Indicative Extent of Remediation



DATA SOURCES
Imagery: Nearmaps, 2020

SCALE 1:1000

5 0 5 10 15 20 25 m

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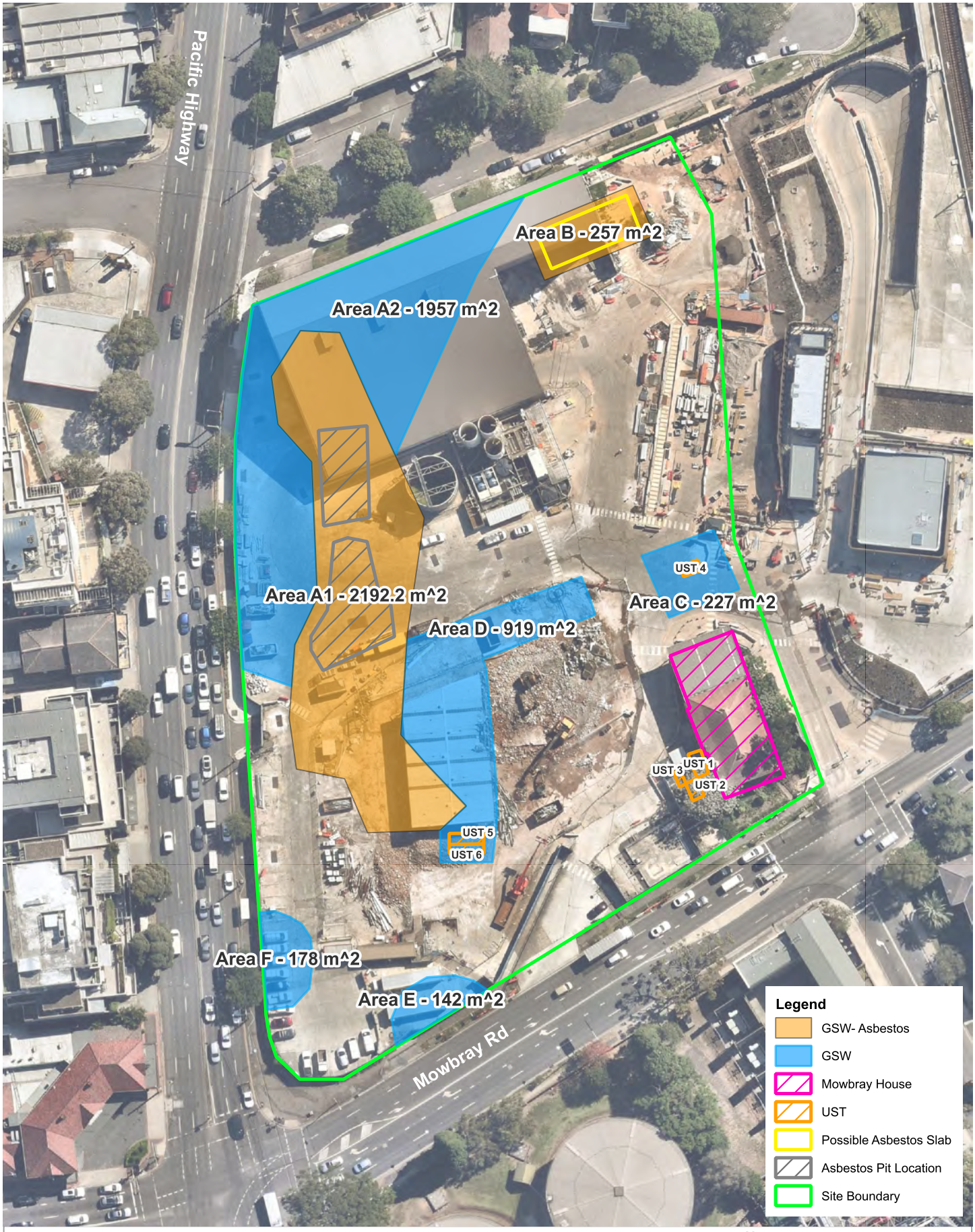


Figure 4: Indicative Extent of Remediation - Option A

Chatswood Pre-Remediation Investigation
Remedial Action Plan Addendu



N

DATA SOURCE
Imagery: Nearmap, 2023

SCALE
0 10 20 30 40 m

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Figure 1: Site Location

Chatswood Pre-Remediation Investigation

Legend

Site Boundary



DATA SOURCE
Imagery: Nearmap, 2023

N

SCALE
60 0 60 120 m

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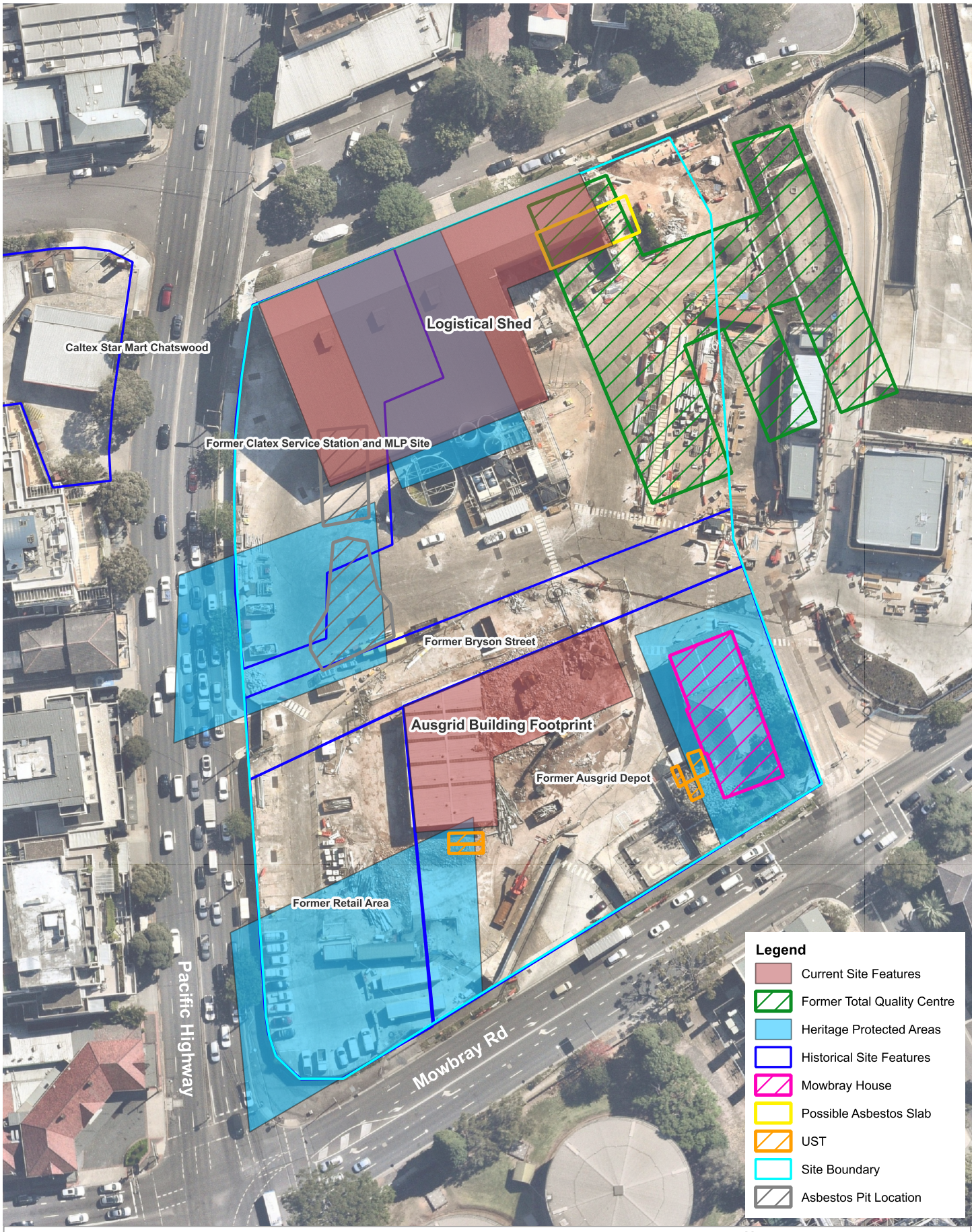
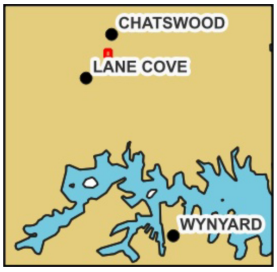


Figure 2: Site Features

Chatswood Pre-Remediation Investigation



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DATA SOURCE
Imagery: Nearmap, 2023

SCALE
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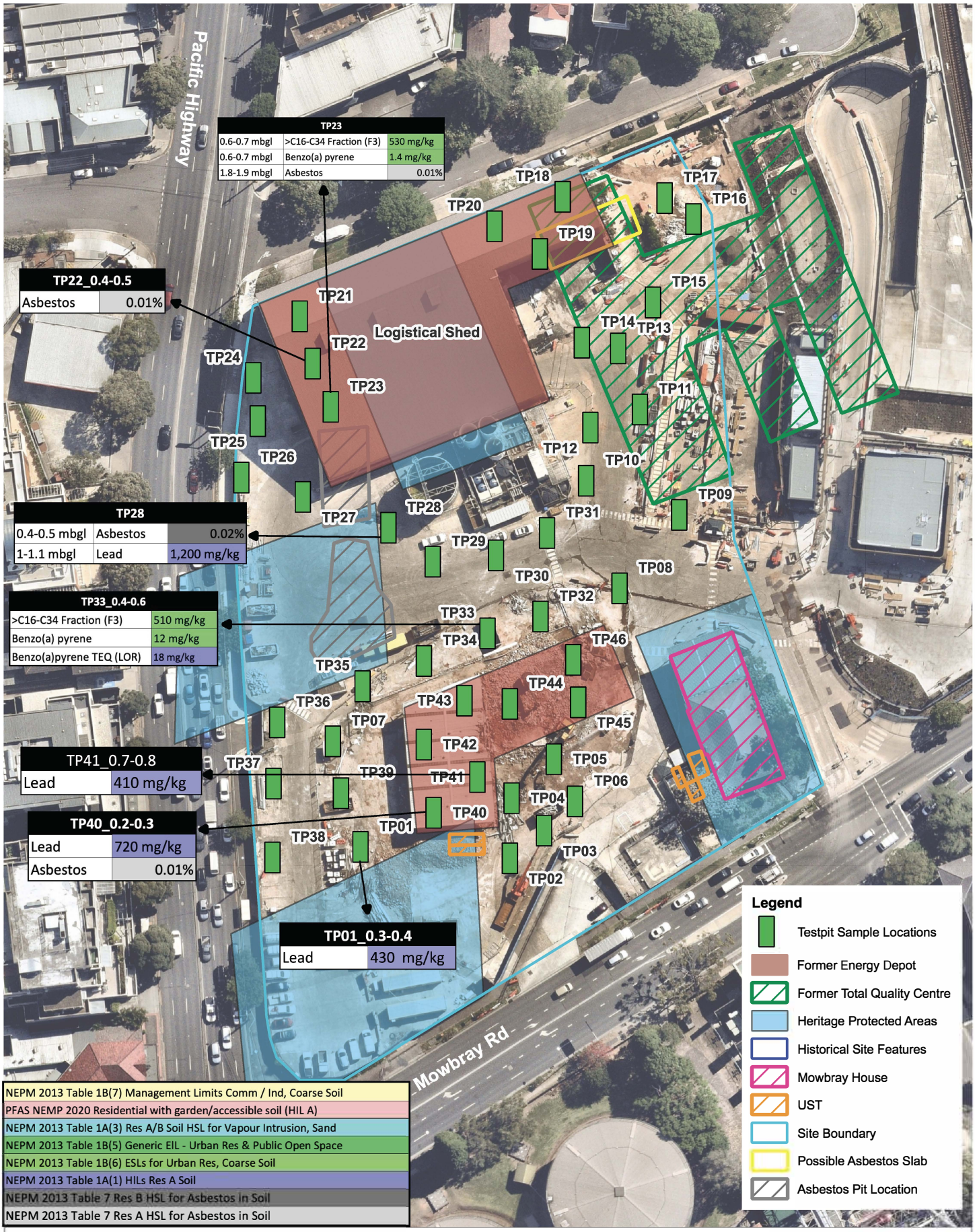
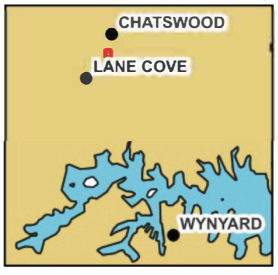


Figure 3: Test Pit Locations and Exceedances

Chatswood Pre-Remediation Investigation



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DATA SOURCE
Imagery: Nearmap, 2023

SCALE
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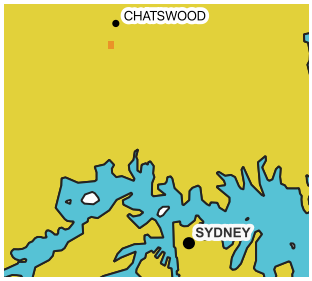


Figure 4 - Extent of Second Slab

Chatswood Pre-Remediation Investigation

Legend

- Approx area with 2nd slab
- Locations with 2nd Slab
- Testpit Locations



SCALE

DATA SOURCE
Imagery: Nearmap, 2023

0 10 20 30 m

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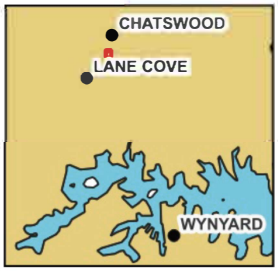
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Figure 5: Groundwater Sampling Locations

Chatswood Pre-Remediation Investigation



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DATA SOURCE
Imagery: Nearmap, 2023

SCALE
0 10 20 30 40 m

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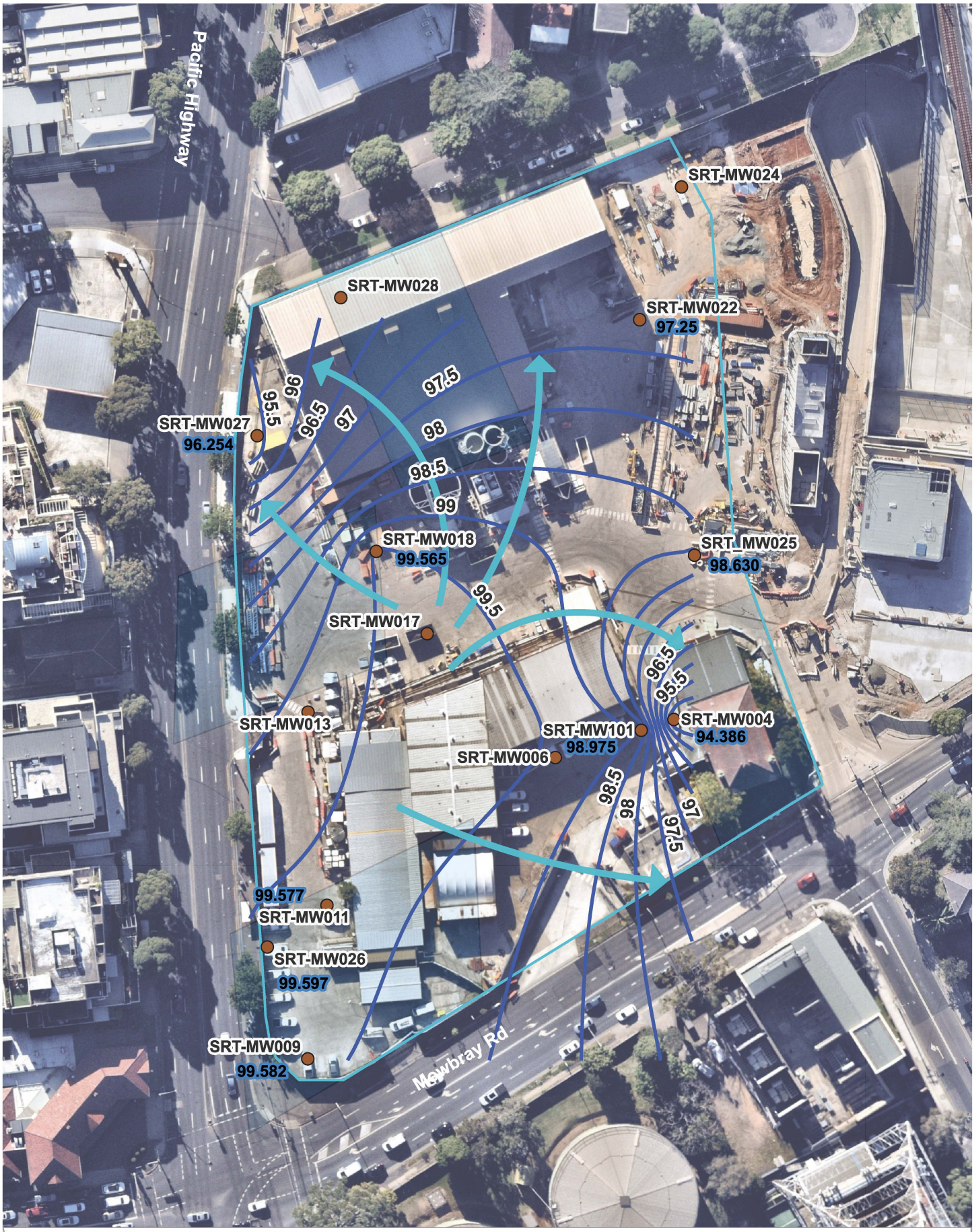
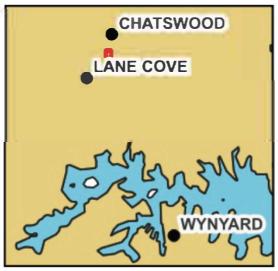


Figure 6: Round 1 Inferred Groundwater Contours

Chatswood Pre-Remediation Investigation

Legend

- Inferred Groundwater Level - 27/10/2023 (mAHD)
- Groundwater Monitoring Wells
- Site Boundary



N

DATA SOURCE
Imagery: Nearmap, 2023

SCALE
0 10 20 30 40 m

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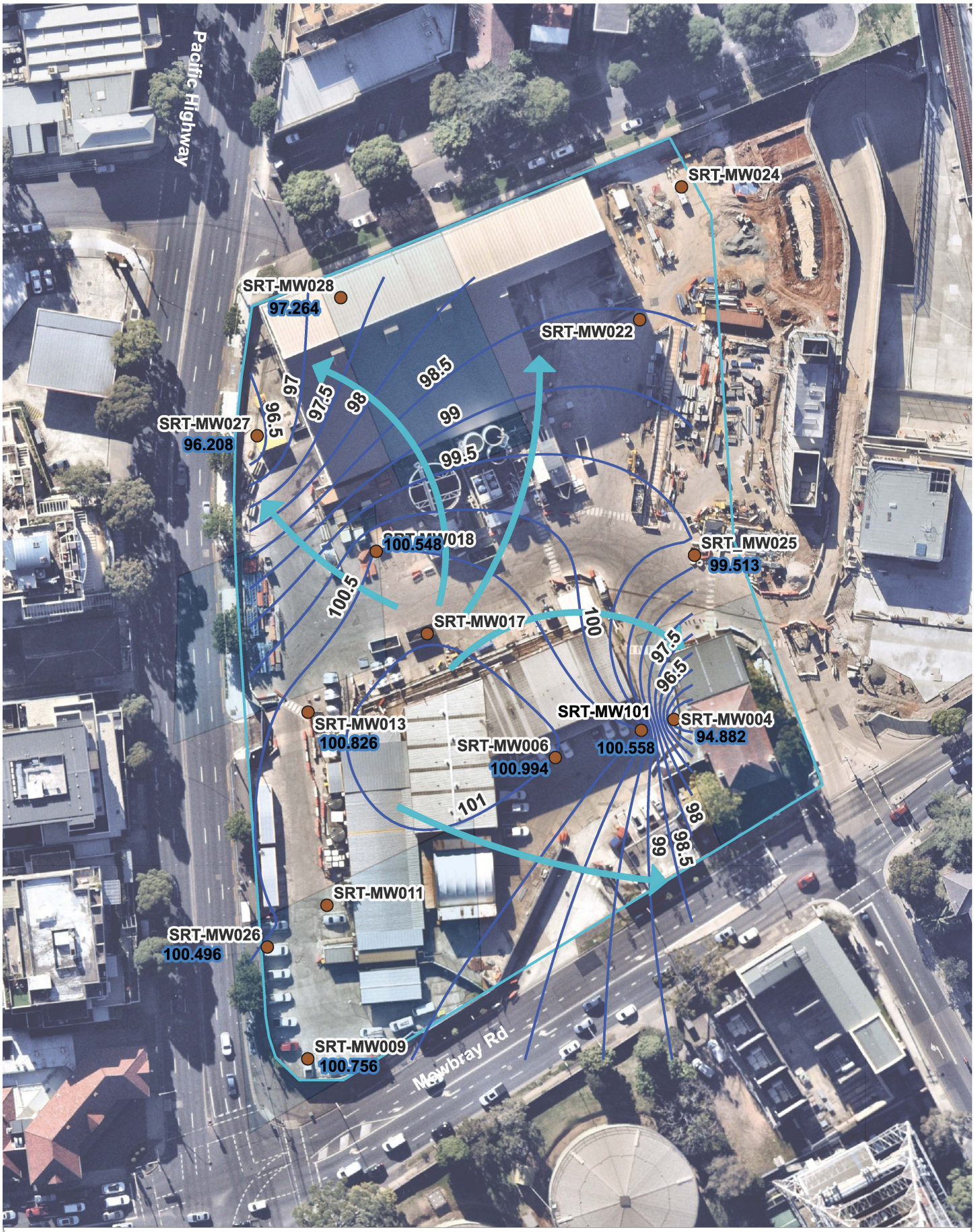
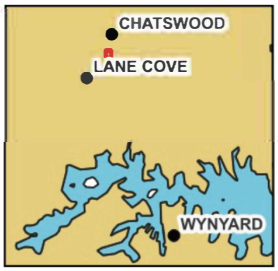


Figure 7: Round 2 Inferred Groundwater Contours

Chatswood Pre-Remediation Investigation

Legend

- Inferred Groundwater Level - 27/2/2024 (mAHD)
- Groundwater Monitoring Wells
- Site Boundary



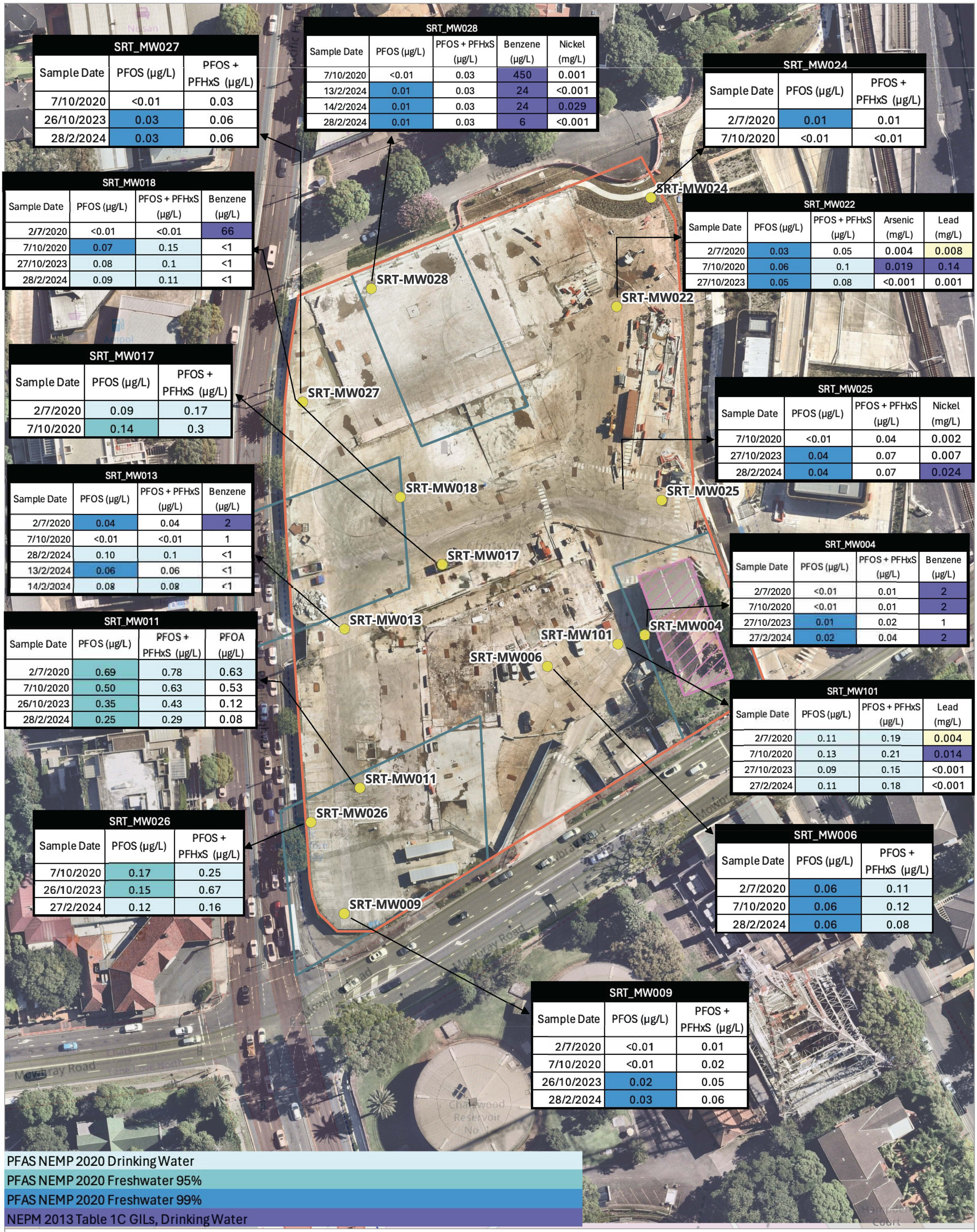
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DATA SOURCE
Imagery: Nearmap, 2023

SCALE
0 10 20 30 40 m

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SRT_MW027

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
7/10/2020	<0.01	0.03
26/10/2023	0.03	0.06
28/2/2024	0.03	0.06

SRT_MW028

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)	Benzene (µg/L)	Nickel (mg/L)
7/10/2020	<0.01	0.03	450	0.001
13/2/2024	0.01	0.03	24	<0.001
14/2/2024	0.01	0.03	24	0.029
28/2/2024	0.01	0.03	6	<0.001

SRT_MW024

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
2/7/2020	0.01	0.01
7/10/2020	<0.01	<0.01

SRT_MW018

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)	Benzene (µg/L)
2/7/2020	<0.01	<0.01	66
7/10/2020	0.07	0.15	<1
27/10/2023	0.08	0.1	<1
28/2/2024	0.09	0.11	<1

SRT_MW022

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)	Arsenic (mg/L)	Lead (mg/L)
2/7/2020	0.03	0.05	0.004	0.008
7/10/2020	0.06	0.1	0.019	0.14
27/10/2023	0.05	0.08	<0.001	0.001

SRT_MW017

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
2/7/2020	0.09	0.17
7/10/2020	0.14	0.3

SRT_MW025

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)	Nickel (mg/L)
7/10/2020	<0.01	0.04	0.002
27/10/2023	0.04	0.07	0.007
28/2/2024	0.04	0.07	0.024

SRT_MW013

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)	Benzene (µg/L)
2/7/2020	0.04	0.04	2
7/10/2020	<0.01	<0.01	1
28/2/2024	0.10	0.1	<1
13/2/2024	0.06	0.06	<1
14/2/2024	0.08	0.08	<1

SRT_MW004

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)	Benzene (µg/L)
2/7/2020	<0.01	0.01	2
7/10/2020	<0.01	0.01	2
27/10/2023	0.01	0.02	1
27/2/2024	0.02	0.04	2

SRT_MW011

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)	PFOA (µg/L)
2/7/2020	0.69	0.78	0.63
7/10/2020	0.50	0.63	0.53
26/10/2023	0.35	0.43	0.12
28/2/2024	0.25	0.29	0.08

SRT_MW101

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)	Lead (mg/L)
2/7/2020	0.11	0.19	0.004
7/10/2020	0.13	0.21	0.014
27/10/2023	0.09	0.15	<0.001
27/2/2024	0.11	0.18	<0.001

SRT_MW026

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
7/10/2020	0.17	0.25
26/10/2023	0.15	0.67
27/2/2024	0.12	0.16

SRT_MW006

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
2/7/2020	0.06	0.11
7/10/2020	0.06	0.12
28/2/2024	0.06	0.08

SRT_MW009

Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
2/7/2020	<0.01	0.01
7/10/2020	<0.01	0.02
26/10/2023	0.02	0.05
28/2/2024	0.03	0.06

PFAS NEMP 2020 Drinking Water
PFAS NEMP 2020 Freshwater 95%
PFAS NEMP 2020 Freshwater 99%
NEPM 2013 Table 1C GILs, Drinking Water

Figure 8 - Deep Groundwater Sample Exceedances

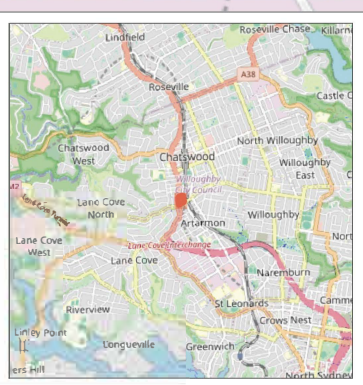
Chatswood Pre Remediation Delineation

Legend

- Monitoring Wells
- Site Boundary
- Mowbray House
- Heritage Protected Areas

Please note freshwater GIL exceedances for metals are widespread and are therefore not shown on the figure.

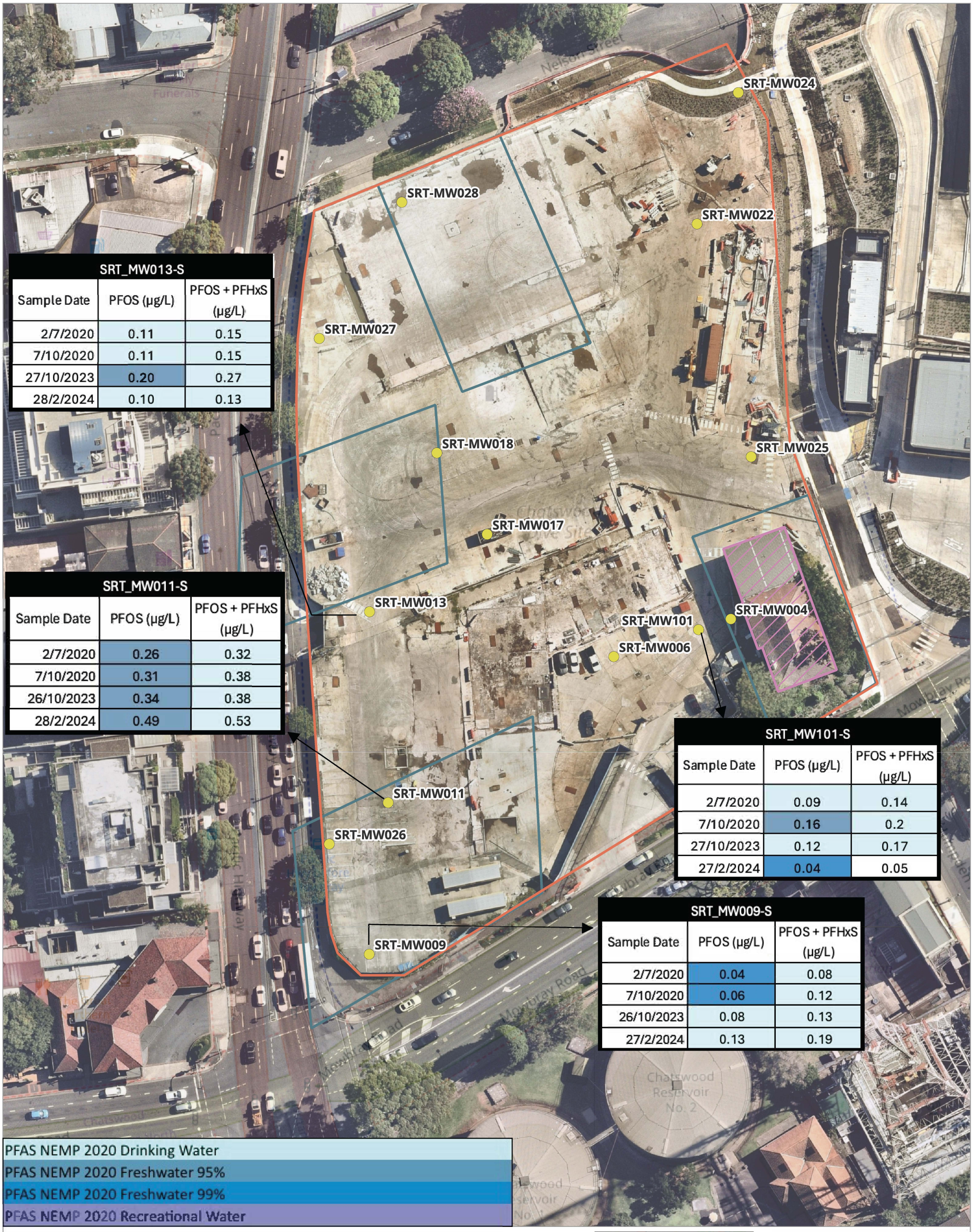
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DATA SOURCES
Imagery: Nearmaps, 2022

SCALE 1:892.701655
5 0 5 10 15 m

nation partners



SRT_MW013-S		
Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
2/7/2020	0.11	0.15
7/10/2020	0.11	0.15
27/10/2023	0.20	0.27
28/2/2024	0.10	0.13

SRT_MW011-S		
Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
2/7/2020	0.26	0.32
7/10/2020	0.31	0.38
26/10/2023	0.34	0.38
28/2/2024	0.49	0.53

SRT_MW101-S		
Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
2/7/2020	0.09	0.14
7/10/2020	0.16	0.2
27/10/2023	0.12	0.17
27/2/2024	0.04	0.05

SRT_MW009-S		
Sample Date	PFOS (µg/L)	PFOS + PFHxS (µg/L)
2/7/2020	0.04	0.08
7/10/2020	0.06	0.12
26/10/2023	0.08	0.13
27/2/2024	0.13	0.19

PFAS NEMP 2020 Drinking Water
PFAS NEMP 2020 Freshwater 95%
PFAS NEMP 2020 Freshwater 99%
PFAS NEMP 2020 Recreational Water

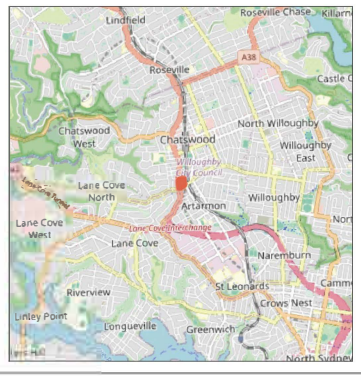
Figure 9 - Shallow Groundwater Sample Exceedances

Chatswood Pre Remediation Delineation

Legend

- Monitoring Wells
- Site Boundary
- Mowbray House
- Heritage Protected Areas

Please note freshwater GIL exceedances for metals are widespread and are therefore not shown on the figure.



DATA SOURCES
Imagery: Nearmaps, 2022

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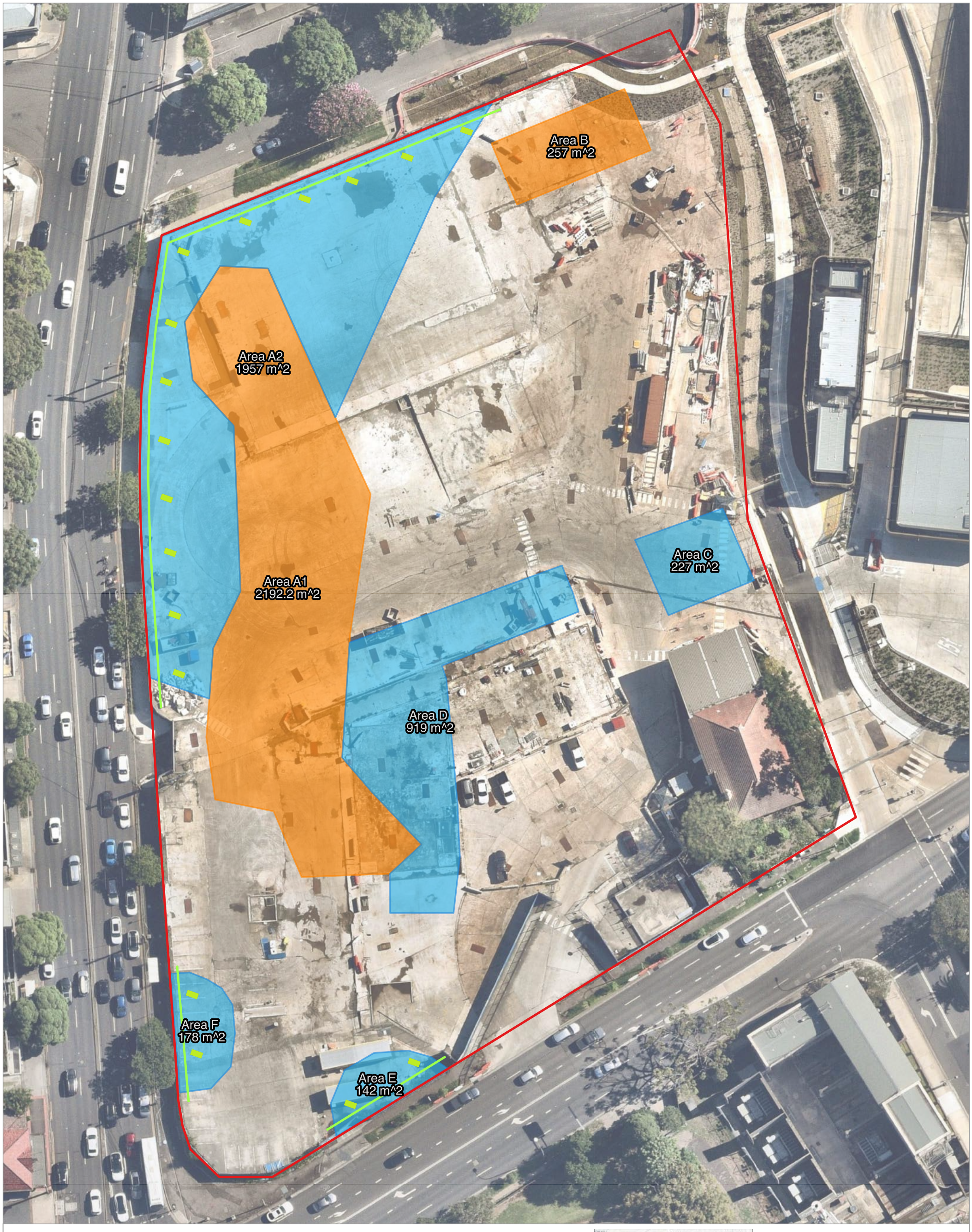
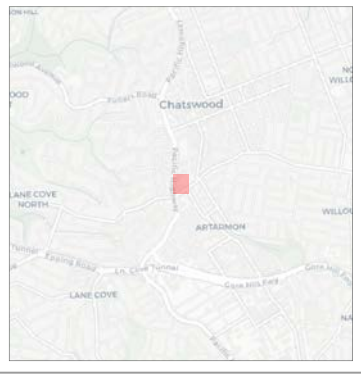


Figure 1: Sheet Pile and Test Pit Location

Metro Chatswood
Site Remediation Validation

Legend

- Site Boundary
- Validation Test Pit Locations
- Approximate Location of Sheet Piling
- GSW-A Remediation Area, per RAP Addendum (Nation Partners, 2023)
- GSW Remediation Area, per RAP Addendum (Nation Partners, 2023)



DATA SOURCES
Imagery: Nearmap, 2024

5 0 5 10 15 20 25 m

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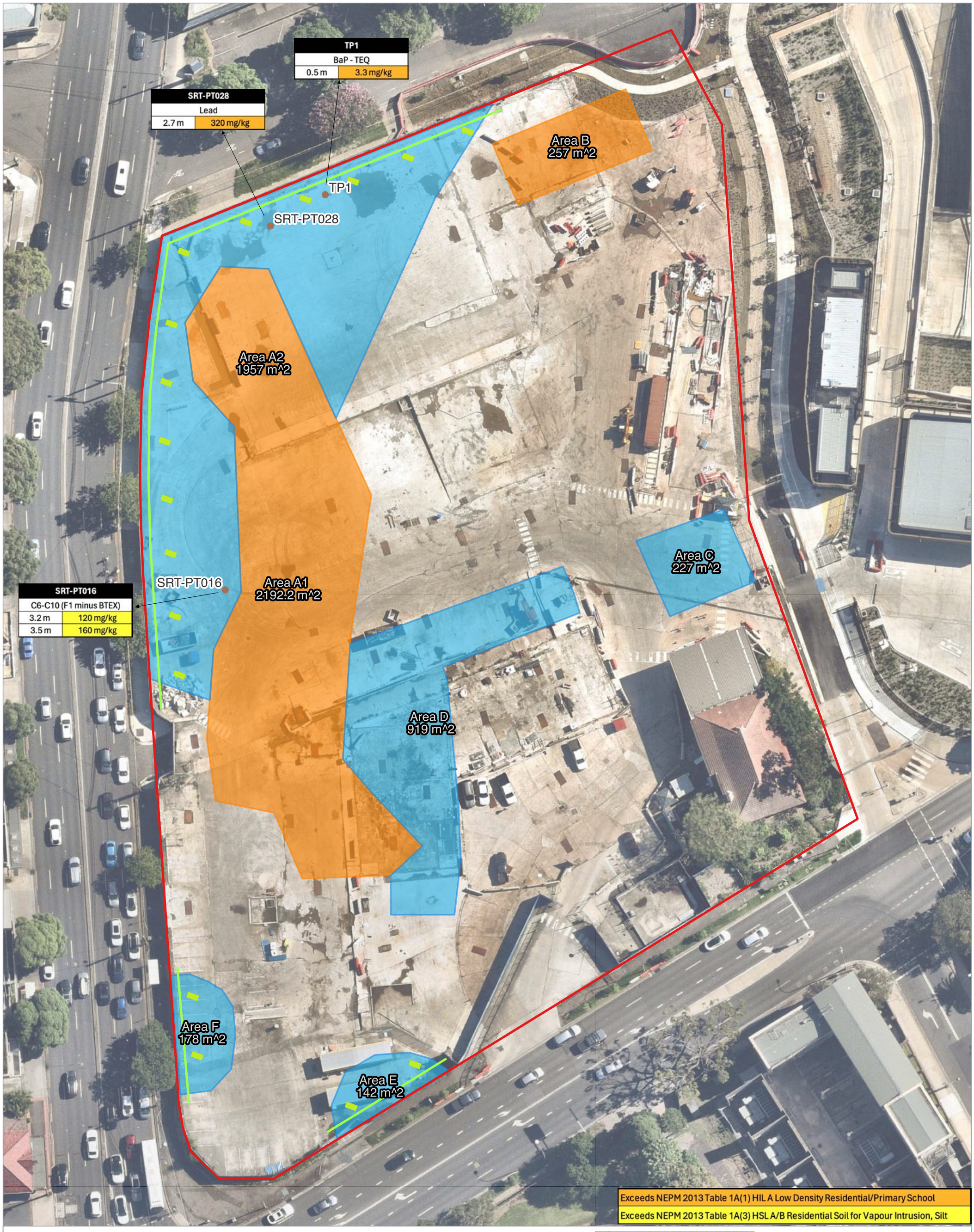


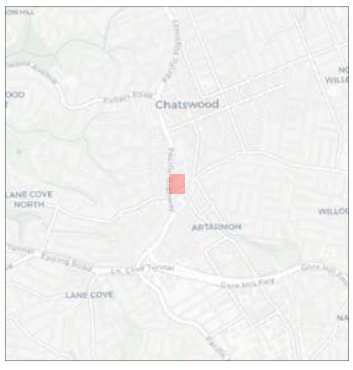
Figure 2: Sample Exceedances

Metro Chatswood
Site Remediation Validation

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Legend

- Site Boundary
- Validation Test Pit Locations
- Approximate Location of Sheet Piling
- GSW-A Remediation Area, per RAP Addendum (Nation Partners, 2023)
- GSW Remediation Area, per RAP Addendum (Nation Partners, 2023)



DATA SOURCES
Imagery: Nearmap, 2024

5 0 5 10 15 20 25 m

nation partners



Figure 1: Site Location

Chatswood Pre-Remediation Investigation

Legend

Site Boundary



DATA SOURCE
Imagery: Nearmap, 2023

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SCALE
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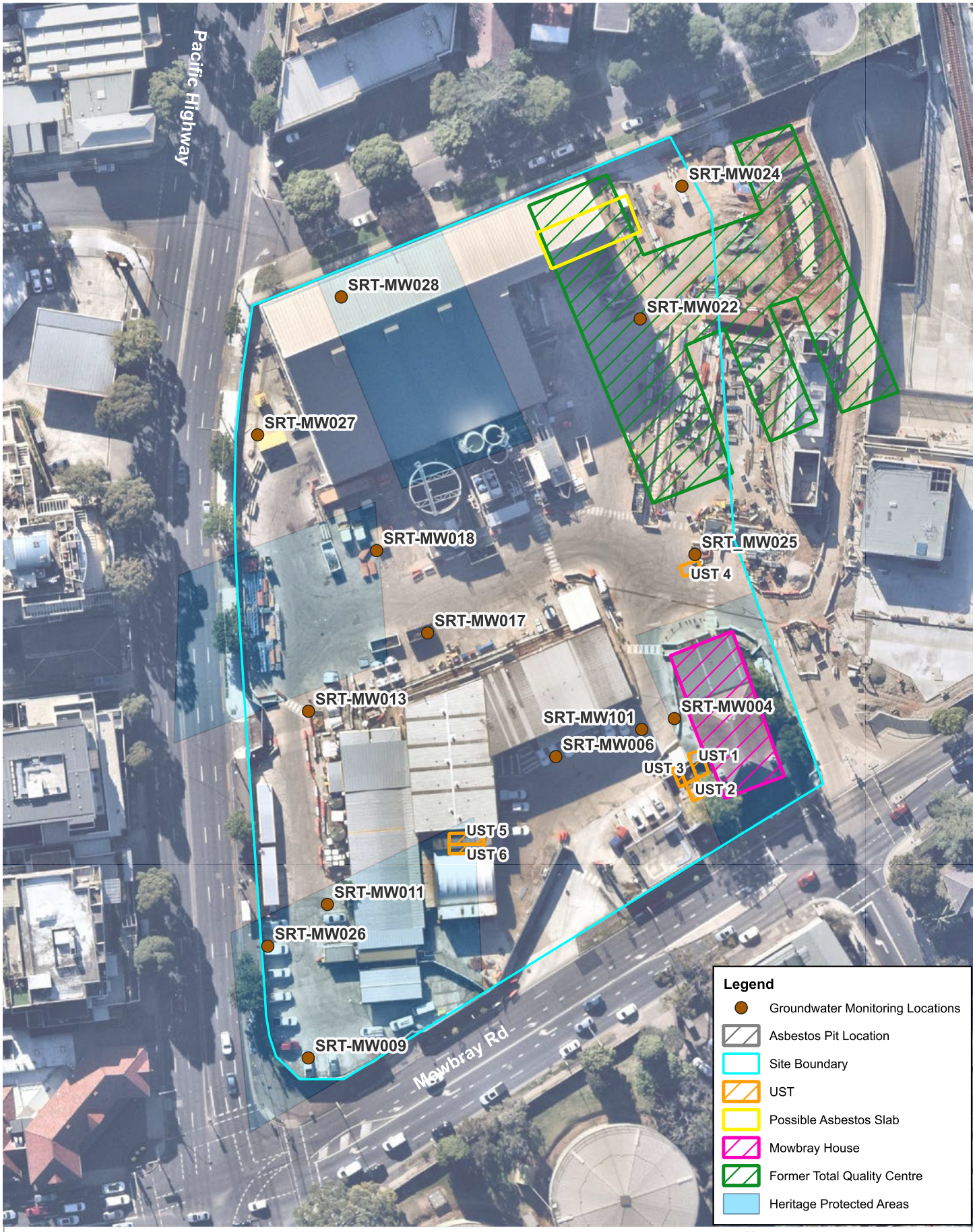


Figure 2: Groundwater Sampling Locations

Chatswood Pre-Remediation Investigation



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DATA SOURCE
Imagery: Nearmap, 2023

SCALE
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Figure 3: Level Logger Locations

Chatswood Pre-Remediation Investigation



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DATA SOURCE
Imagery: Nearmap, 2023

SCALE
0 10 20 30 40 m

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Figure 4: Stage 1 Inferred Groundwater Levels

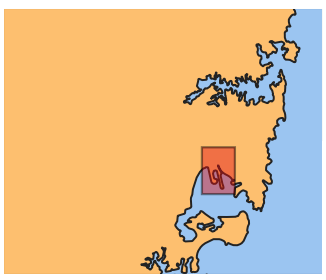
Nation Partners, 2021a)

Sydney Metro - Chatswood Data Gap Investigation

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Legend

- Site Boundary
- Monitoring Wells
- Inferred Groundwater Level - 2 July 2020 (mAHD)
- Approximate Groundwater Flow Direction
- Underground Storage Tanks



DATA SOURCES
Imagery: Nearmaps, 2020

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nation partners



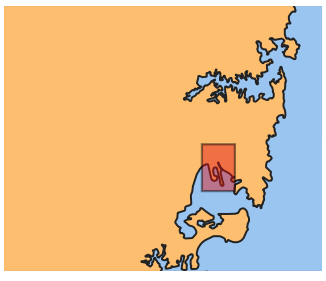
Figure 5: Stage 2 Inferred Groundwater Levels (Nation Partners, 2021a)

Sydney Metro - Chatswood Data Gap Investigation

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Legend

- Site Boundary
- Monitoring Wells
- Inferred Groundwater Level - 7 October 2020 (mAHD)
- Approximate Groundwater Flow Direction
- Underground Storage Tanks



DATA SOURCES
Imagery: Nearmaps, 2020

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nation partners

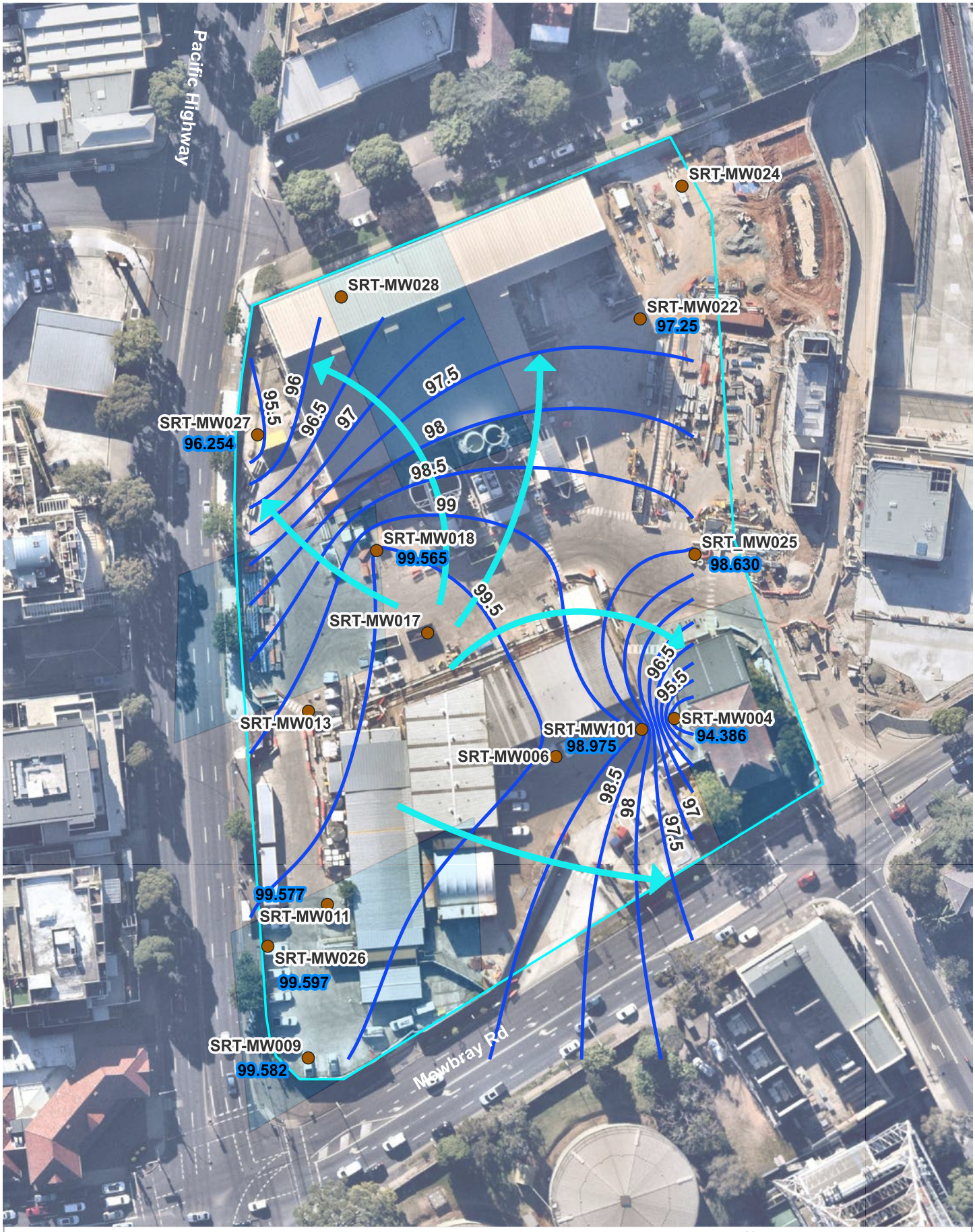


Figure 6: Round 1 Inferred Groundwater Levels

Chatswood Pre-Remediation Investigation

Legend

- Inferred Groundwater Level - 27/10/2023 (mAHD)
- Groundwater Monitoring Wells
- Site Boundary



N

DATA SOURCE
Imagery: Nearmap, 2023

SCALE
0 10 20 30 40 m

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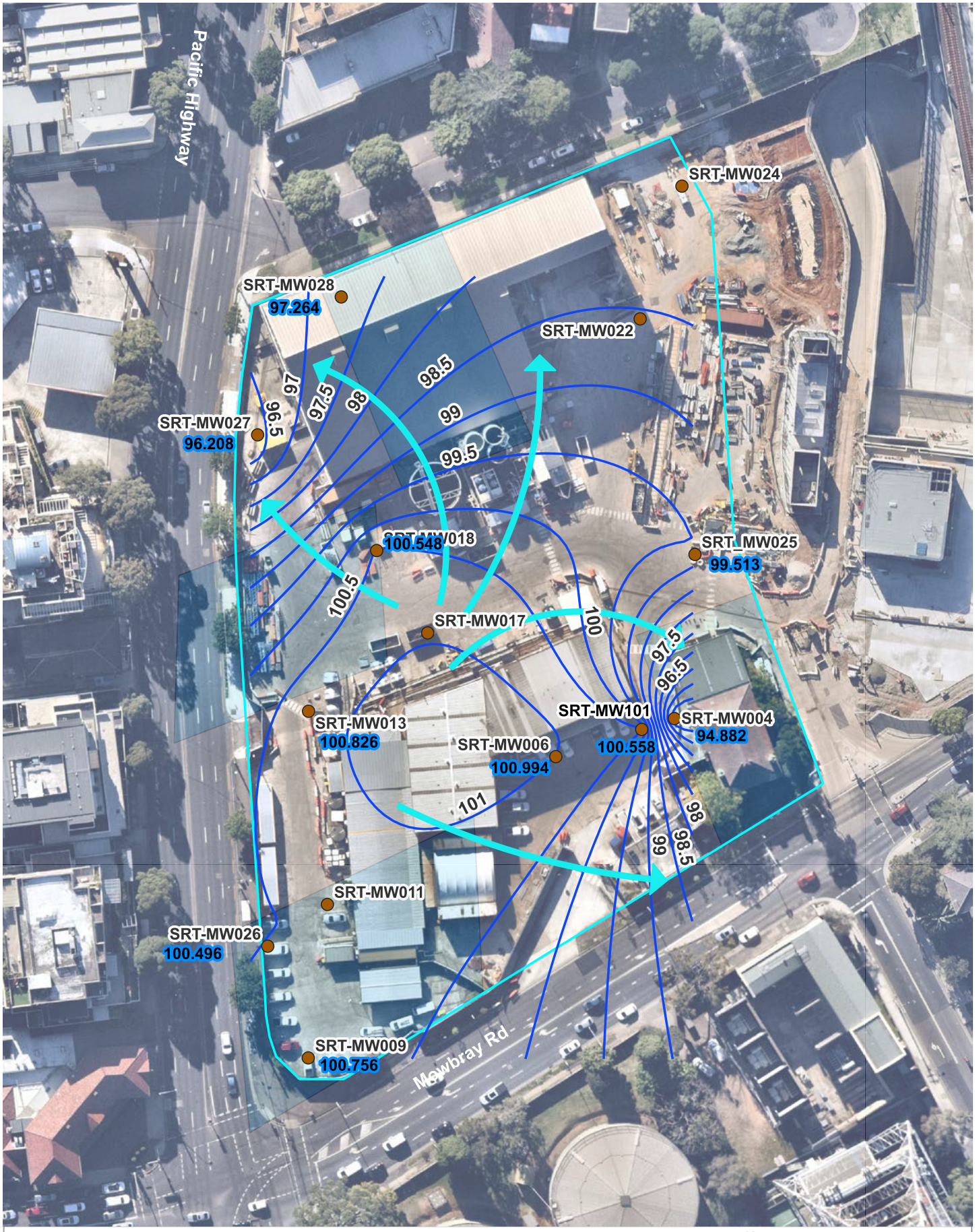


Figure 7: Round 2 Inferred Groundwater Levels

Chatswood Pre-Remediation Investigation

Legend

- Inferred Groundwater Level - 27/2/2024 (mAHD)
- Groundwater Monitoring Wells
- Site Boundary



N

DATA SOURCE
Imagery: Nearmap, 2023

SCALE
0 10 20 30 40 m

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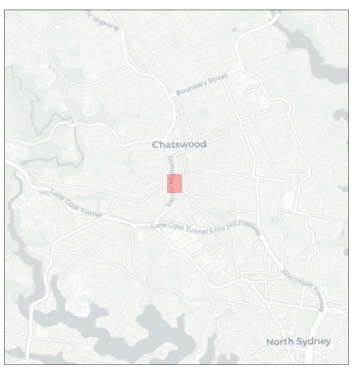


Figure 1: Site Location

Chatswood Metro Dive Site Validation Report

Legend

- Site Boundary
- Mowbray House
- Mowbray House Curtilage



DATA SOURCES
Imagery: MetroMap, 2025

0 10 20 30 40 m

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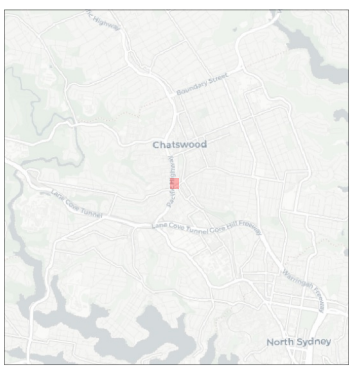


Figure 2: Historical Site Features

Chatswood Metro Dive Site Validation Report

Legend

- Site Boundary
- Former Zones
- Mowbray House
- Mowbray House Curtilage
- Former Total Quality Centre



DATA SOURCES
Imagery: MetroMap, 2025

0 5 10 15 20 25 m

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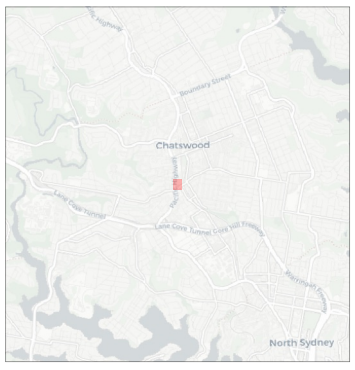


Figure 3: Remediation Areas

Chatswood Metro Dive Site Validation Report

Legend

- Mowbray House
- Mowbray House Curtilage
- Remediation Area - GSW
- Remediation Area - GSW-A
- Fill Area 1
- Fill Area 2 - Former Total Quality Centre footprint
- Fill Area 2 - Area of Uncertainty
- External Driveway
- Site Boundary
- Sheet Piling



DATA SOURCES
Imagery: MetroMap, 2025

0 5 10 15 20 25 m

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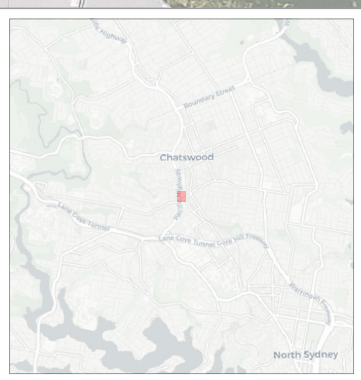


Figure 4: Test Pit Locations

Chatswood Metro Dive Site Validation Report

Legend

- Mowbray House
- Mowbray House Curtilage
- Site Boundary
- Area A1
- Area A2
- Area of Uncertainty
- Former Total Quality Centre
- Mowbray House Curtilage
- External Driveway



DATA SOURCES
Imagery: MetroMap, 2025

0 5 10 15 20 25 m

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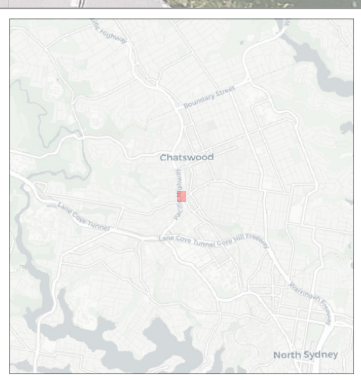


Figure 5: UST Locations & Monitoring Well

Chatswood Metro Dive Site Validation Report

Legend

- Mowbray House
- Mowbray House Curtilage
- Site Boundary
- Historical USTs (Woodward-Clyde, 1996)
- Remediation USTs (outlined in RAP)
- Tarm Farm USTs (unexpected finds)
- Groundwater Monitoring Well



DATA SOURCES
Imagery: MetroMap, 2025

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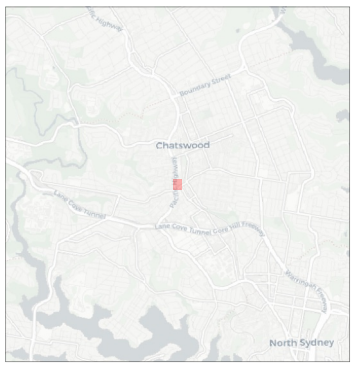


Figure 6: Validation Floor Sample Locations

Chatswood Metro Dive Site Validation Report

Legend

- Mowbray House
- Mowbray House Curtilage
- Site Boundary
- Validation Floor Sample



DATA SOURCES
Imagery: MetroMap, 2025

0 5 10 15 20 25 m

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V182		
Contaminant	EIL Criteria	Concentration
Zinc	540 mg/kg	590 mg/kg

V240		
Contaminant	ESL Criteria	Concentration
Benzo(a)pyrene	0.7 mg/kg	1.1 mg/kg

V318			
Contaminant	ESL Criteria	HIL Criteria	Concentration
Benzo(a)pyrene	0.7 mg/kg	-	2.2 mg/kg
B(a)P TEQ (Half)	-	3 mg/kg	3.2 mg/kg
B(a)P TEQ (LOR)	-	3 mg/kg	3.4 mg/kg

V242			
Contaminant	ESL Criteria	HIL Criteria	Concentration
>C16-C34 (F3)	300 mg/kg	-	330 mg/kg
Benzo(a)pyrene	0.7 mg/kg	-	6.5 mg/kg
B(a)P TEQ (Half)	-	3 mg/kg	9.4 mg/kg

Figure 7: Validation Wall Sample Locations

Chatswood Metro Dive Site Validation Report

Legend

- Mowbray House
- Mowbray House Curtilage
- Site Boundary
- Validation wall sample
- Validation wall sample with exceedance in boundary fill

DATA SOURCES
Imagery: MetroMap, 2025

0 5 10 15 20 25 m

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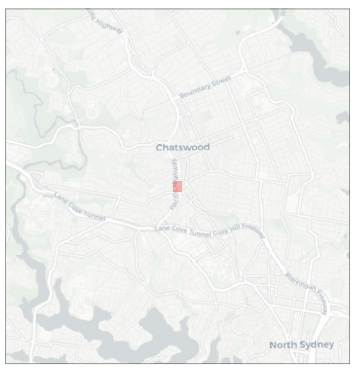


Figure 8: Residual Fill and Infrastructure

Chatswood Metro Dive Site Validation Report

Legend

- Mowbray House
- Mowbray House Curtilage
- Site Boundary
- Residual fill
- Areas of remaining fill
- Infrastucture remaining onsite



DATA SOURCES
Imagery: MetroMap, 2025

0 5 10 15 20 25 m

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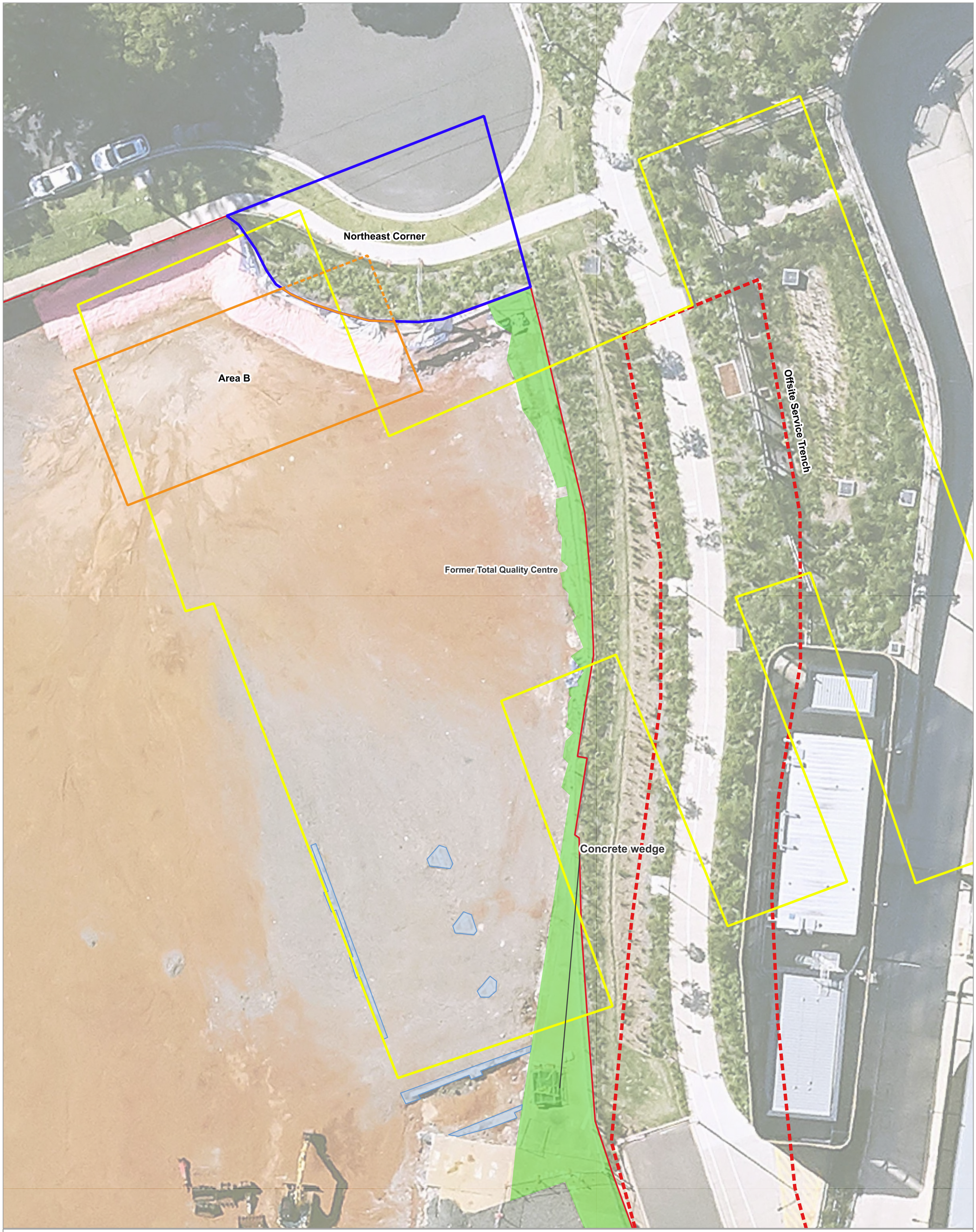


Figure 9: Northeast Corner Remediation

Metro Chatswood
Site Remediation Validation

Legend

- Site boundary
- Northeast Corner
- FTQC footprint
- Offsite service trench with ACM-impacted material (2017)
- Remediation Area
- Areas of remaining fill
- Areas of remaining infrastructure

DATA SOURCES
Imagery: Metromap, 2025

0 5 10 m

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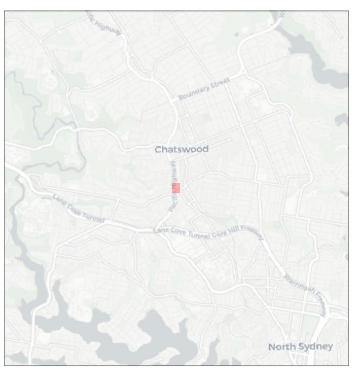
Figure 10: Final Site Audit Boundary

Chatswood Metro Dive Site Validation Report

Legend

- Site Audit Boundary
- Point Location
- Mowbray House Exclusion Boundary
- Point Location

Numbered coordinates on proceeding page.



DATA SOURCES
Imagery: MetroMap, 2025

0 10 20 m

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Site boundary points

ID	X	Y
0	331478.697	6258115.124
1	331544.493	6258141.776
2	331547.461	6258142.979
3	331548.419	6258142.299
4	331549.767	6258140.433
5	331550.649	6258138.773
6	331551.426	6258137.685
7	331552.671	6258136.907
8	331554.382	6258136.181
9	331556.328	6258135.582
10	331558.789	6258134.989
11	331560.448	6258134.937
12	331562.677	6258134.937
13	331564.595	6258135.196
14	331566.773	6258135.974
15	331568.033	6258136.478
16	331568.684	6258136.738
17	331571.439	6258137.84
18	331572.424	6258134.211
19	331573.47	6258130.092
20	331574.125	6258127.551
21	331575.939	6258120.526
22	331576.015	6258120.233
23	331576.557	6258115.091
24	331576.878	6258109.703
25	331576.892	6258109.052
26	331576.293	6258105.019
27	331575.777	6258101.166
28	331576.529	6258101.043
29	331575.674	6258095.023
30	331576.016	6258094.79
31	331576.307	6258087.788
32	331576.907	6258080.85
33	331577.67	6258072.646
34	331578.782	6258069.502
35	331579.073	6258068.67
36	331583.023	6258058.456
37	331587.557	6258045.67
38	331598.456	6258014.936
39	331571.415	6257998.054
40	331498.963	6257952.819
41	331493.309	6257951.079
42	331487.533	6257952.356
43	331483.142	6257956.318
44	331481.28	6257961.932
45	331474.751	6258066.359
46	331474.468	6258076.479
47	331474.886	6258086.595
48	331476.001	6258096.657
49	331478.697	6258115.124

Mowbray House points

ID	X	Y
0	331565.653	6258042.235
1	331578.49	6258046.873
2	331582.925	6258035.02
3	331582.596	6258034.886
4	331589.323	6258016.623
5	331577.185	6258012.363
6	331573.856	6258021.665
7	331572.925	6258021.312
8	331569.458	6258030.892
9	331569.723	6258030.988
10	331565.653	6258042.235

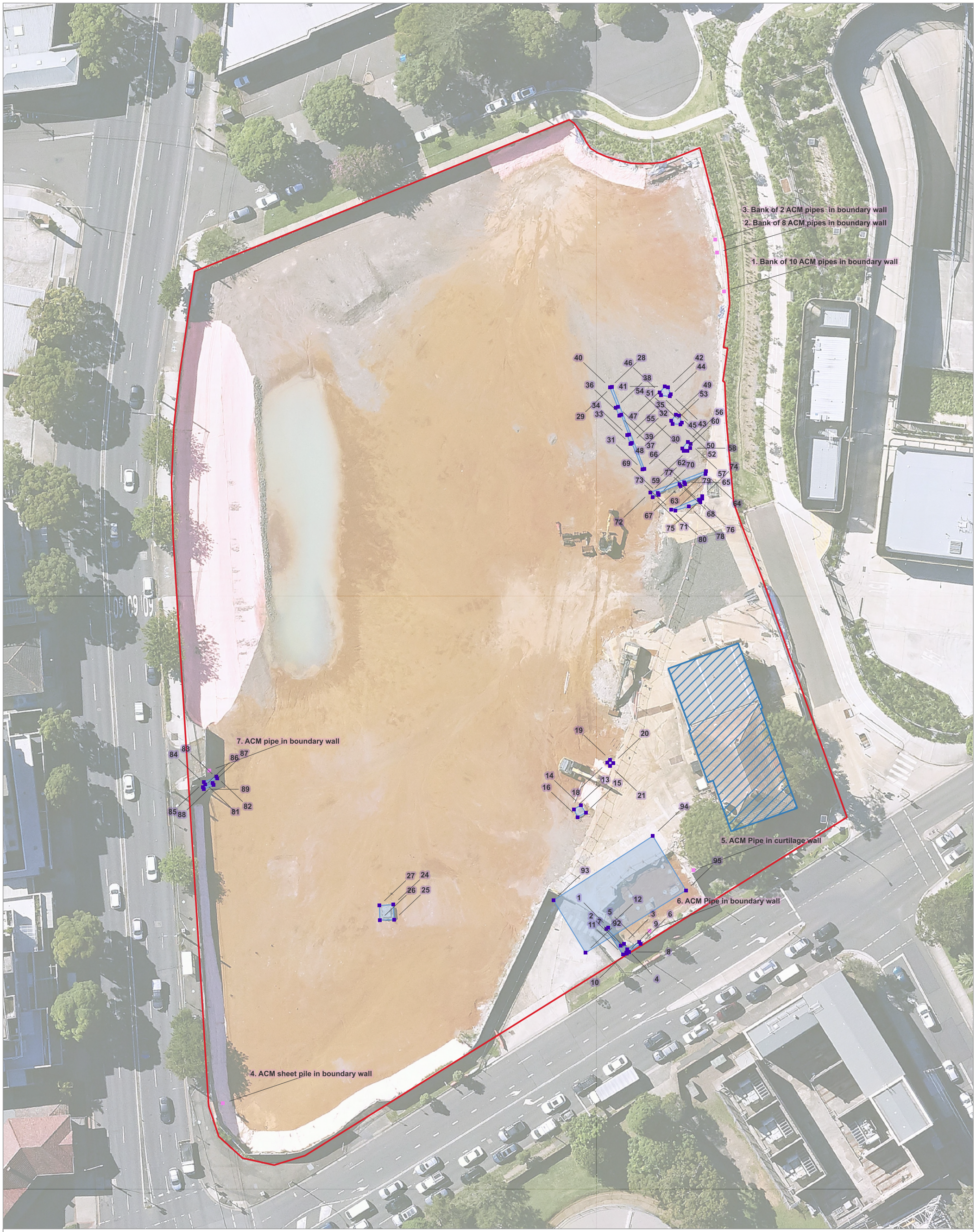


Figure 11: Residual Fill and Infrastructure with Coordinates

Chatswood Metro Dive Site Validation Report

Legend

- Site Boundary
- Mowbray House
- Infrastucture remaining onsite
- Residual infrastructure point location
- Residual fill point location

Numbered coordinates on proceeding page.

DATA SOURCES
Imagery: MetroMap, 2025

0 5 10 15 20 25 m

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Residual infrastructure points

Asset	ID	X	Y
Water main	0	331554.243	6257994.416
Water main	1	331554.651	6257994.681
Water main	2	331556.897	6257991.359
Water main	3	331557.484	6257991.699
Water main	4	331558.113	6257990.704
Water main	5	331560.325	6257992.081
Water main	6	331560.589	6257991.684
Water main	7	331558.397	6257990.284
Water main	8	331558.451	6257990.196
Water main	9	331558.017	6257989.923
Water main	10	331557.923	6257990.075
Water main	11	331557.361	6257989.734
Water main	12	331554.243	6257994.416
Sewer manhole	13	331548.309	6258016.393
Sewer manhole	14	331549.582	6258017.137
Sewer manhole	15	331550.507	6258015.776
Sewer manhole	16	331549.031	6258014.949
Sewer manhole	17	331548.309	6258016.393
Stormwater drain	18	331554.436	6258024.936
Stormwater drain	19	331555	6258025.463
Stormwater drain	20	331555.537	6258024.887
Stormwater drain	21	331554.983	6258024.38
Stormwater drain	22	331554.436	6258024.936
Sewer manhole	23	331512.619	6257998.726
Sewer manhole	24	331515.19	6257998.916
Sewer manhole	25	331515.338	6257996.111
Sewer manhole	26	331512.701	6257996.046
Sewer manhole	27	331512.619	6257998.726
FTQC Footing	28	331554.943	6258093.825
FTQC Footing	29	331555.331	6258093.977
FTQC Footing	30	331561.245	6258078.904
FTQC Footing	31	331560.915	6258078.766
FTQC Footing	32	331558.962	6258083.662
FTQC Footing	33	331558.687	6258083.497
FTQC Footing	34	331558.137	6258085.092
FTQC Footing	35	331558.412	6258085.175
FTQC Footing	36	331557.009	6258088.806
FTQC Footing	37	331556.652	6258088.641
FTQC Footing	38	331556.019	6258090.153
FTQC Footing	39	331556.377	6258090.263
FTQC Footing	40	331554.943	6258093.825
Footing	41	331565.027	6258094.018
Footing	42	331565.577	6258093.853
Footing	43	331566.127	6258092.588
Footing	44	331565.935	6258092.203
Footing	45	331564.312	6258092.368
Footing	46	331564.092	6258092.918
Footing	47	331565.027	6258094.018
Footing	48	331566.21	6258087.719
Footing	49	331567.035	6258088.847
Footing	50	331567.667	6258088.627
Footing	51	331568.108	6258087.362
Footing	52	331567.888	6258087.059
Footing	53	331566.402	6258087.169
Footing	54	331566.21	6258087.719
Footing	55	331568.218	6258082.658
Footing	56	331569.208	6258083.841
Footing	57	331569.73	6258083.456
Footing	58	331569.703	6258082.686
Footing	59	331569.153	6258082.191
Footing	60	331568.493	6258082.191
Footing	61	331568.218	6258082.658
FTQC Footing	62	331562.331	6258074.572
FTQC Footing	63	331572.548	6258078.472
FTQC Footing	64	331572.479	6258077.964
FTQC Footing	65	331568.603	6258076.415
FTQC Footing	66	331568.768	6258076.112
FTQC Footing	67	331567.846	6258075.734
FTQC Footing	68	331567.705	6258076.067
FTQC Footing	69	331563.734	6258074.434
FTQC Footing	70	331563.927	6258074.159
FTQC Footing	71	331562.759	6258073.736
FTQC Footing	72	331562.331	6258074.572
FTQC Footing	73	331566.153	6258071.377
FTQC Footing	74	331571.92	6258073.839
FTQC Footing	75	331571.868	6258073.456
FTQC Footing	76	331571.31	6258073.19
FTQC Footing	77	331571.517	6258072.791
FTQC Footing	78	331569.44	6258071.979
FTQC Footing	79	331566.921	6258071.263
FTQC Footing	80	331566.153	6258071.377
Water Main	81	331480.422	6258021.383
Water Main	82	331482.675	6258022.405
Water Main	83	331482.858	6258022.038
Water Main	84	331480.605	6258020.99
Water Main	85	331480.422	6258021.383
Water Main	86	331480.239	6258020.414
Water Main	87	331482.002	6258021.219
Water Main	88	331482.151	6258020.885
Water Main	89	331480.389	6258020.08
Water Main	90	331480.239	6258020.414
Concrete Footings	91	331568.9	6258001.503
Concrete Footings	92	331550.458	6257990.047
Concrete Footings	93	331544.59	6257999.687
Concrete Footings	94	331562.822	6258011.493
Concrete Footings	95	331568.9	6258001.503

Residual fill points

Fill	ID	X	Y
1. Bank of 10 ACM pipes in boundary wall	1	331575.9	6258111.5
2. Bank of 8 ACM pipes in boundary wall	2	331574.6	6258118.6
3. Bank of 2 ACM pipes in boundary wall	3	331574.3	6258121
4. ACM sheet pile in boundary wall	4	331483.9	6257962.4
5. ACM Pipe in curtilage wall	5	331570.3	6258005.2
6. ACM Pipe in boundary wall	6	331562.2	6257994.1
7. ACM pipe in boundary wall	7	331481.4	6258023.0

Appendix B Audit Correspondence

Geosyntec consultants

engineers | scientists | innovators

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Sydney NSW 2000
ABN 23 154 745 525
www.geosyntec.com.au

AU122170 Chatswood IA5

08 June 2023

Eric Gotla
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: eric.gotla@transport.nsw.au

Dear Eric,

Re: Interim Advice 5 (IA5) - Review of Pre-Remediation Investigation Sampling Analysis & Quality Plan (SAQP), Sydney Metro- Chatswood

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the Contaminated Land Management (CLM) Act 1997, to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition).

2 Scope of Audit and Nature of Interim Advice

The audit is non statutory in nature. If Development Conditions are issued by Council, the audit may become statutory and will require a notification to NSW EPA.

3 Background

NP previous completed a data gap investigation (DGI) in 2021 and prepared a remediation action plan (RAP) specifying a remedial strategy to render the site suitable for the proposed development. The DGI/RAP indicated the need to address the following remaining data gaps to inform remedial strategy for the site:

- Data gap 1: Uncertainty regarding the nature and extent of per- and poly-fluoroalkyl substances (PFAS) in shallow groundwater and the potential risks posed by impacted shallow groundwater (if present) to the site workers.
- Data gap 2: Uncertainty regarding the flow direction of deep groundwater and natural attenuation of heavy metals and hydrocarbon impacts in groundwater.

- Data gap 3: Waste characterisation of in-situ fill across the site (noting preliminary waste classification did not achieve sufficient sampling density due to access constraints).
- Data gap 4: Uncertain extent of asbestos impacted fill at the site.
- Data gap 5: The contamination status of the former energy depot building footprint was not assessed due to access constraints.

4 Current Interim Advice

In preparing this interim audit advice, the Auditor has reviewed the following report:

- Nation partners (NP) (5 June 2023) Chatswood Pre-Remediation Investigation Sampling Analysis & Quality Plan (SAQP) Sydney Metro (Ref: Chatswood Pre-Remediation - SAQPV1.0).

The purpose of IA5 is to assess the adequacy of the SAQP in addressing the data gaps listed in Section 3.

5 SAQP Scope of Work

The SAQP proposed the following scope of work to address the data gaps, with work to be completed as three separate investigations:

- Groundwater Investigation:
  - Purge dry four shallow monitoring wells and collect samples for PFAS analysis if they recharge sufficiently within 2 hours.
  - Install pressure transducers in four shallow monitoring wells for at least four weeks to assess temporal changes in groundwater levels.
  - Redevelop and sample the existing 14 deep monitoring wells.
  - Install pressure transducers in up to six deep monitoring wells for at least four weeks to assess temporal changes in groundwater levels.
  - Undertake a second round of groundwater sampling following removal of the pressure transducers to inform the extent of potential biodegradation of contaminants.
- Energy depot investigation:
  - Bulk fill sampling from 0.5 m x 0.5 m concrete cut area for qualitative and quantitative asbestos assessment (ACM, AF and FA)
  - Advancing six soil boreholes to a minimum of 1.2 mbgl, then 0.5 m into natural or 0.5 m beyond contamination observation or refusal (which ever occur first).
- Asbestos in soil investigation throughout the site:
  - 40 test pits to 2 mbgl across the site.
  - Collection and analysis of two bulk samples per test pit for qualitative and quantitative asbestos analysis.

Table 1 below lists the number of samples and proposed analytical suites:

Table 1: Analytical Suites

Investigation Stage	Analytical Suite	No. Samples	Rationale
Groundwater Investigation			
Shallow monitoring wells (4)	PFAS	4	Data gap 1
Deep monitoring wells (14)	PFAS, MNA, metals and BTEX	14	Data gap 2

Investigation Stage	Analytical Suite	No. Samples	Rationale
Former Energy Depot Investigation			
Bulk sampling via shovel (6)	ACM and AF/FA	6	Data gap 3 and 4 (partial), Data gap 5
Soil bore sampling (6)	TRH, BTEX, PAH and metals	6	Data gaps 3 and 5 (partial)
	VCH, PCBs and PFAS	12	
Asbestos in soil Investigation			
Test pits (40)	ACM and AF/FA	80	Data gaps 3 and 4
	Waste class suites	20	
	TCLP on PAH and 3 metals	4	

6 Auditor Comments

The Auditor has reviewed the NP (2023) SAQP with reference to the relevant guidelines made or approved by NSW EPA. The Auditor notes that the SAQP is appropriate to address the data gaps remaining at the site. The following comments are provided for NP's consideration:

1. Section 1.3 – Groundwater Investigation: Please clarify why the recharge period for shallow wells is limited to 2 hours. Monitoring wells could be sampled if there is a sufficient recharge up to 24 hrs, particularly if the purpose is to assess water quality that could seep into excavations during remediation/bulk earthworks.
2. Section 2.1 and Figures: Please indicate the location of the Former Total Quality Centre listed in Section 4.1.
3. Section 6 – Groundwater Investigation: Please clarify if a different analytical suite is proposed for the first and second monitoring events for the deep wells.
4. Section 6 – Energy Depot Investigation: Is an additional test pit warranted to the west of UST 5 and 6 for lateral delineation of previous lead and PAH impacts reported in Section 4.1?
5. Section 6.2/Table 6.1: Please consider including BTEX in limited samples for waste classification during Asbestos Soil Investigation.
6. Section 6.3.1: Please use a steel bailer or pump (and not a plastic bailer) for well development.
7. Section 6.3.2:
    a. Please clarify if groundwater samples (for metal analysis) will be field filtered.
    b. Are there PFAS-specific sampling requirements?
8. Section 6.3.4: Please describe the methodology to be adopted for field screening for asbestos.
9. Section 7.1.2: Will ESLs also be considered?
10. Section 7.1.4: The asbestos HSL for ACM should be 0.01%w/w (rather than 0.001% w/w).

We request that NP provide an updated SAQP with the above comments addressed.

7 Closure

This interim advice does not constitute a SAS or a SAR, but rather is provided to assist the Client in the assessment and management of contamination issues at the site. The information

provided herein should not be considered pre-emptive of the final Audit conclusions. It represents the Auditor's opinion based on the review of currently available information.

Should you have any queries or wish to discuss any points, please do not hesitate to contact the undersigned.

Yours sincerely,



Lange Jorstad
NSW EPA accredited Site Auditor (No. 1001)
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AU122170_Chatswood_IA6

11 April 2024

Eric Gotla
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: eric.gotla@transport.nsw.au

Dear Eric,

Re: Interim Advice 06: Review of Nation Partners Chatswood Pre-Remediation Investigation – Groundwater Factual Letter

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice, the Auditor has reviewed the following reports related to land contamination assessment:

- Nation Partners Pty Ltd (NP) (27 March 2024) Chatswood Pre-Remediation Investigation – Groundwater Factual Letter (Ref: NP22202_V1.0), herein referred to as GFL.

The purpose of the current IA is to document Auditor findings following the review of existing information related to site conditions and contamination status. This advice also outlines any data gaps identified in the existing information which should be addressed by the appointed consultant as either part of any further investigation works, or as part of any remedial or validation works that may be required at the site.

3 Summary of Investigation

The stated objective of the investigation was to collect data that would inform the data gaps remaining from prior investigations:

- Data Gap 1 – there is the potential for shallow groundwater impacted by per- and poly-fluoroalkyl substances (PFAS) to be present. Investigation of the likelihood for shallow groundwater is required, in addition to an assessment of potential exposure risk during site works (if present).
- Data Gap 2 – there is uncertainty regarding the groundwater flow direction of deep groundwater, and natural attenuation potential of metals and petroleum hydrocarbon.

The investigation was completed between September 2023 and February 2024, noting works were paused between November and February due to demolition of above ground site structures. The scope of work included:

- Purge four existing shallow groundwater monitoring wells and conduct two rounds of sampling of shallow groundwater monitoring wells, and analysis of the samples for PFAS short suite.
- Re-develop and sample fourteen existing deep groundwater monitoring wells, with analysis for metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and monitored natural attenuation parameters, noting two wells had been destroyed and could not be monitored as part of this assessment.
- Conduct a second round of sampling of deep groundwater monitoring wells to inform the extent of potential biodegradation of contaminants.
- Prepare a factual letter report summarising results.

Monitoring of the shallow wells indicated that sufficient groundwater was present to be considered a perched aquifer rather than intermittent storage. Sampling confirmed that the perched groundwater is impacted with PFAS, exceeding the adopted recreational criteria. Accordingly, NP stated that PFAS-specific controls for managing accumulated groundwater in shallow excavations are required to be developed and implemented by the remediation contractor.

Groundwater flow was inferred to be in a northwest direction. The difference in flow direction may be influenced by seasonal changes with significantly higher rainfall experienced prior to Stage 1 than Stage 2, impacts of the tunnel construction and presence of the Metro dive to the southeast.

Additionally, groundwater sampling suggests that natural attenuation through biodegradation was occurring within the shale aquifer on site.

4 Auditor Comments

The Auditor has reviewed the Nation Partners GFL against relevant guidelines made or approved by NSW EPA. The report/s largely meets the guideline requirements; however, the Auditor provides the following comments:

It is recognised that this is a factual report, some of the comments could be considered in the data gap report to follow.

1. Section 2.1:
    a. Please confirm why MW09S could not be accessed after 24hours in October 2023; and why MW22 could not be accessed for Round 2.
    b. Please either indicate which historical report(s) have the well completion logs for ease of reference or provide all as an appendix (a summary table of well construction details would be appreciated, if available).
    c. The table notes that MW17 and MW24 were destroyed – please comment on whether the lack of sampling in these wells influences the hydrogeological CSM.

2. Section 2.1.2:
    a. the transducer data shows a stronger response to rainfall in some wells than others. It is recognised later the high influence in MW101D may indicate that the concrete or well annulus is potentially compromised. Please comment on the impacts observed in additional wells. Reference to depths, completion of wells, and geology would aid the discussion and interpretation of results.
    b. The SAQP stated that transducers would be installed in the four shallow wells to assess temporal trends in shallow groundwater levels. Six transducers were installed in deep wells (as was also required). Please confirm reasoning that transducers were not installed in the shallow wells.
    c. The water level in MW027 seems to have an outsized influence on the groundwater flow pattern across the site. Is there anything in this area that could be influencing the water level in this well? Is there confidence in the surveyed measuring point?
    d. Any thoughts on why the water level is so low in MW004?
3. Section 2.1.3
    a. The pH value reported for MW18 in Round 2 appears to be a carryover of the DO value. Please update.
    b. Is there any significance to the more acidic pH value in MW101S during Round 2 monitoring? It is quite low for a natural groundwater pH value.
4. Section 3.1: The shallow wells monitored to evaluate Data Gap 1 (PFAS impact) are located on the southern / upgradient portion of the site. The RAP states that additional groundwater monitoring may be necessary post-remediation. Please confirm whether monitoring of PFAS on the downgradient site boundary is being considered to confirm concentrations in the shallow aquifer prior to offsite migration. Otherwise, the discussion that the perched groundwater is not continuous in the northern portion of the site should be further confirmed.
5. Section 3.3: The presentation of geochemical indicators indicate that there is a range of geochemical conditions and is not conclusive of natural attenuation. While understanding that this is a factual letter, a more robust evaluation of the natural attenuation indicator parameters should be included in the following data gap report.
    a. What is the spatial distribution of NA indicators? How does this correlate to the presence of different contaminant sources/types?
    b. The ORP row in Table 5 states “groundwater conditions were generally anaerobic”, whereas the data in Table 4 indicates positive redox values and the presence of dissolved oxygen in all wells. Please reconsider this statement.
    c. Redox conditions are more oxidising in Round 2 than Round 1, the EC values are lower, and water was present in 3 shallow wells during Round 2 that were dry during Round 1 – could this reflect the influence of rainfall patterns and infiltration prior to Round 2? If so, this may confound the ability to comment meaningfully on natural attenuation potential beneath the site.
6. Section 3.3 and Table 6: The benzene data from MW028 is insufficient to confirm that the measured decrease is an indicator of biodegradation within the shale aquifer, especially given the geochemical indicators for Round 2 which seem to be indicative of the influence of recent recharge to the aquifer. If a natural attenuation case needs to be made for any contaminants at the downgradient site boundary, this will require more than two sample results.
7. Additionally, the GFL should present:
    a. Data quality objectives
    b. A summary of QAQC performed as part of these field works – duplicates, trip blanks, duplicates and rinsates etc.

c. Copies of the COCs, lab data reports and laboratory QAQC

d. Site identification details

e. Summary of criteria

8. Section 4

   a. Please confirm whether any of the wells will be protected/preserved for validation/ post remediation monitoring purposes?

   b. Please comment – a copy of this letter is to be provided to the remediation contractor with direction to consider the presence of shallow PFAS in their work plans and approach to delivering the works. How will this be actioned as this was not outlined in the RAP.

We request that Nation Partners provide responses to the above comments, together with an amended copy of the GFL, as appropriate.

5 Closure

This interim advice does not constitute a SAS or a SAR, but rather is provided to assist the Client in the assessment and management of contamination issues at the site. The information provided herein should not be considered pre-emptive of the final Audit conclusions. It represents the Auditor's opinion based on the review of currently available information.

Should you have any queries or wish to discuss any points, please do not hesitate to contact the undersigned.

Yours sincerely,



Lange Jorstad
NSW EPA Accredited Site Auditor
Geosyntec Consultants Pty Ltd

Nation Partners proposed responses to Site Auditor - Interim Advice 06
Chatswood Pre-Remediation Investigation - Groundwater Factual Letter - dated 27 March 2024

Comment No.		Section	Comment	Response
1	a	2.1	Confirm why MW09S could not be accessed after 24 hours in October 2023; and why MW22 could not be accessed for Round 2.	MW09S had mobile plant parked over it that could not be moved at the time. MW22 was temporarily buried by other contractors under a soil stockpile associated with landscaping works as part of the Frank Channon Walk.
	b		Please either indicate which historical report(s) have the well completion logs for ease of reference or provide all as an appendix (a summary table of well construction details would be appreciated, if available).	The Pre-Remediation Investigation report will include the consolidated borelogs as an appendix.
	c		The table notes that MW17 and MW24 were destroyed - please comment on whether the lack of sampling in these wells influences the hydrogeological CSM.	Regarding the coverage of groundwater flow directions, the loss of the two wells was a relatively limited loss of coverage across the site. MW017 previously reported similar PFAS concentrations to upgradient wells MW011 and MW026. MW024 previously reported PFAS concentrations below or equal to the LOR, which was an order of magnitude lower than upgradient MW022. The loss of the two wells isn't critical to the monitoring well network, however will be considered in the Pre-Remediation Investigation Report.
2	a	2.1.2	the transducer data shows a stronger response to rainfall in some wells than others. It is recognised later the high influence in MW101D may indicate that the concrete or well annulus is potentially compromised. Please comment on the impacts observed in additional wells. Reference to depths, completion of wells, and geology would aid the discussion and interpretation of results.	Noted, this will be evaluated further in the Pre-Remediation Investigation report. However, the primary lines of evidence are damage to gatics and surrounding concrete by other contractors, missing bolts and O rings, and loose torque caps resulting in pathways for surface water ingress.
	b		The SAQP stated that transducers would be installed in the four shallow wells to assess temporal trends in shallow groundwater levels. Six transducers were installed in deep wells (as was also required). Please confirm reasoning that transducers were not installed in the shallow wells.	Transducers were not installed in shallow wells due to the relatively small water column and concern the perched groundwater was not a contemperaneous water bearing unit. This was evaluated by bailing dry the shallow wells over multiple rounds and gauging the recharge.
	c		The water level in MW027 seems to have an outsized influence on the groundwater flow pattern across the site. Is there anything in this area that could be influencing the water level in this well? Is there confidence in the surveyed measuring point?	A review of the borelogs and survey data did not identify a reason for the outsized influence, however it is noted that the standing water level MW028 is similar to MW027, providing confidence in the groundwater flow direction. Regardless, the consistent flow direction across three monitoring events provides confidence that the data gap surrounding flow direction can be closed.
	d		Any thoughts on why the water level is so low in MW004?	Potentially a result of the dive east of Mowbray House being approximately 85 mAHD, which is well below the SWL across the site (~98 mAHD), and the hydrogeological conditions of the Ashfield Shale resulting in a localised zone of influence. Regardless, between the October 2020 (Figure 5) and both Round 1 (October 2023 - Figure 6) and Round 2 (February 2024 - Figure 7), the groundwater flow directions are consistent, providing confidence in flow direction despite localised uncertainty.
3	a	2.1.3	The pH value reported for MW18 in Round 2 appears to be a carryover of the DO value. Please update.	Noted, pH was 5.83, consistent with other locations, this will be updated in the Pre-Remediation Investigation report.
	b		Is there any significance to the more acidic pH value in MW101S during Round 2 monitoring? It is quite low for a natural groundwater pH value.	Noting the pH for MW101S was 3.47, and the range excluding MW101S was 4.40 to 5.83, groundwater pH was consistently moderatly acidic. Additionally, the temperature, redox, DO, and EC for MW101S were mostly consistent with other shallow wells. The slightly more acidic pH value is not considered to be significant with respect to the data gaps and interpretation of shallow groundwater results.
4		3.1	The shallow wells monitored to evaluate Data Gap 1 (PFAS impact) are located on the southern / upgradient portion of the site. The RAP states that additional groundwater monitoring may be necessary post-remediation. Please confirm whether monitoring of PFAS on the downgradient site boundary is being considered to confirm concentrations in the shallow aquifer prior to offsite migration. Otherwise, the discussion that the perched groundwater is not continuous in the northern portion of the site should be further confirmed.	Installation of additional groundwater monitoring wells is not currently being considered with respect to shallow groundwater on the downgradient boundary. The Pre-Remediation Investigation report will include discussion regarding the discontinuous nature of perched groundwater.
5	a	3.3	The presentation of geochemical indicators indicate that there is a range of geochemical conditions and is not conclusive of natural attenuation. While understanding that this is a factual letter, a more robust evaluation of the natural attenuation indicator parameters should be included in the following data gap report. What is the spatial distribution of NA indicators? How does this correlate to the presence of different contaminant sources/types?	Noted, the Pre-Remediation Investigation will include consideration of lines of evidence for natural attenuation from previous investigations, in addition to this investigation.
	b		The ORP row in Table 5 states "groundwater conditions were generally anaerobic", whereas the data in Table 4 indicates positive redox values and the presence of dissolved oxygen in all wells. Please reconsider this statement.	Noted.
	c		Redox conditions are more oxidising in Round 2 than Round 1, the EC values are lower, and water was present in 3 shallow wells during Round 2 that were dry during Round 1 – could this reflect the influence of rainfall patterns and infiltration prior to Round 2? If so, this may confound the ability to comment meaningfully on natural attenuation potential beneath the site.	Noted, this will be considered per Comment 5A.
6		3.3 & T6	: The benzene data from MW028 is insufficient to confirm that the measured decrease is an indicator of biodegradation within the shale aquifer, especially given the geochemical indicators for Round 2 which seem to be indicative of the influence of recent recharge to the aquifer. If a natural attenuation case needs to be made for any contaminants at the downgradient site boundary, this will require more than two sample results.	Noted, the Pre-Remediation Investigation will include consideration of the previous Site Audit and VMP for the former Caltex Service Station, where benzene was previously detected in the vicinity of MW028 at ~1,000 ug/L, which has continued to attenuate since that time.
7	a	General	The Groundwater Factual Letter should present: Data quality objectives	Noted, these will be included in the Pre-Remediation Investigation report. The purpose of factual letter was to present a summary of the results and recommendations with respect to ongoing remediation works.
	b		A summary of QAQC performed as part of these field works – duplicates, trip blanks, duplicates and rinsates etc	
	c		Copies of the COCs, lab data reports and laboratory QAQC	
	d		Site identification details	
	e		Summary of criteria	
8	a	4	Please confirm whether any of the wells will be protected/preserved for validation/ post remediation monitoring purposes?	Protection/preservation of groundwater wells is understood to have been excluded from the remediation contractor scope.
	b		Please comment – a copy of this letter is to be provided to the remediation contractor with direction to consider the presence of shallow PFAS in their work plans and approach to delivering the works. How will this be actioned as this was not outlined in the RAP.	A copy of the Groundwater Factual Letter has been provided to the remediation contractor and the presence of PFAS discussed in weekly meetings. Nation Partners will request Sydney Metro provide formal correspondance to the remediation contractor to provide a respective work plan for PFAS impacted water and update to the CEMP.

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AU122170 Chatswood IA7 PRI

1 July 2024

Eric Gotla
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: eric.gotla@transport.nsw.au
Cc: Gaya.Premkumar@transport.nsw.gov.au

Dear Eric,

Re: Interim Advice 07: Review of Nation Partners Pre-Remediation Investigation Report Chatswood Site

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice (IA), the Auditor has reviewed the following reports related to land contamination assessment:

- Nation Partners Pty Ltd (NP) (10 June 2024) Pre-Remediation Investigation Report Chatswood Site (Ref: Chatswood PRI Repor_Draftv1.0.docx), herein referred to as the PRI.

This IA also refers to the following documents:

- NP (4 August 2023) Chatswood Pre Remediation Investigation Sampling Analysis & Quality Plan (Ref: Chatswood Pre-Remediation – SAQPv2.0), herein referred to as the SAQP.

The purpose of the current IA is to document Auditor findings following the review of existing information related to site conditions and contamination status. This advice also outlines any data gaps identified in the existing information which should be addressed by the appointed consultant as either part of any further investigation works, or as part of any remedial or validation works that may be required at the site.

3 Summary of Investigation

The objectives of the PRI were to:

- Collect information to inform data gaps remaining from prior investigations and resulting from the proposed remediation works:
  - Data Gap 1 – PFAS in Shallow Groundwater - There is the potential for shallow groundwater impacted by per- and poly-fluoroalkyl substances (PFAS) to be present. Investigation of the likelihood of shallow groundwater was required, in addition to an assessment of potential exposure risk to site workers (if present).
  - Data Gap 2 – Deep Groundwater - There was uncertainty regarding the flow direction of deep groundwater, and natural attenuation of heavy metal and hydrocarbon impacts.
  - Data Gap 3 – Waste Classification - Waste classification conducted as part of the DGI was preliminary and did not provide a sufficient sampling density to achieve assurance. Additional in-situ waste classification sampling was required to refine the waste classifications.
  - Data Gap 4 – Asbestos Containing Material - Asbestos containing material (ACM) has previously been reported in the fill soils at the site, however the entire site had not been investigated in a sufficient manner to determine the potential wide-spread presence of ACM or friable asbestos/asbestos fines (FA/AF).
  - Data Gap 5 – Former Energy Depot Footprint - The footprint of the former energy depot building footprint had not been previously investigated.
- Refine the Conceptual Site Model (CSM) for the site.
- Use the refined waste classification and CSM to inform the remediation of the site.

The scope of work included:

- Prepare a SAQP detailing the investigation planning approach, and sampling and laboratory analyses to be conducted during the investigation.
- Liaise with Sydney Metro and Systems Connect contractors (site occupier at the time) with respect to access, timing, permits and inductions.
- Prepare a Health, Safety and Environmental Management Plan (HSEP) to address health, safety, and environmental risks associated with the proposed works.
- Conduct sampling works as detailed in the SAQP; This included:
  - Asbestos investigation, including excavation of 39 test pits, soil logging and sampling and laboratory analysis of selected soil samples.
  - Targeted investigation of the former Ausgrid depot building footprint, including excavation of 7 test pits, soil logging and sampling and laboratory analysis of selected soil samples.
  - Groundwater investigation, comprising two rounds of groundwater monitoring including gauging and sampling (using low flow methods and HydraSleeve for PFAS sampling) the existing groundwater monitoring well network.
- Interpret data collected and prepared a report detailing the findings.

The works related to the PRI were completed between September and February 2024.

Deviations to the SAQP included:

- The area of the energy depot was able to be investigated using test pits instead of boreholes due to the structure being demolished.
- Test pits in the northern part of the site were limited due to the presence of a buried concrete slab or underground services.

- Low flow sampling was performed for Round 1a. Round 1b was completed using both Mircopurge and HydraSleeve methods. HydraSleeve sampling was adopted for Round 2 sampling.
- Wells SRT-MW017 and SRT-MW024 were destroyed by construction activities and not available for sampling. NP state that the loss of these wells resulted in a minor reduction of the coverage across the site; however, was mitigated by the locations of SRT MW013, SRT-MW018, and SRT-MW022.
- SRT-MW009S could not be sampled during one round due to plant being parked over top. SRT-MW022 could not be sampled during Round 1 due to being covered by a temporary stockpile.
- Level loggers were not installed in shallow wells.

3.1 Soil Investigation

A summary of the general soil conditions encountered is provided below.

Northeastern portion of site TP09-TP20:

- 0.0 to 0.2-0.3 Concrete FILL
- 0.2-0.3 to 0.9-1.8 FILL: Sandy reworked clay of low plasticity, red/grey mottling, moist and containing some coarse angular gravels.
- 1.3-2.0 Natural CLAY: High plasticity, stiff, orange and moist.

Northwestern portion of site TP21-TP27:

- 0.0 to 0.2-0.3 Concrete FILL
- 0.2-0.3 to 1.2-2.0 FILL: Sandy reworked clay of low plasticity, red/grey mottling, moist and containing some coarse angular gravels.
- 1.2-2.0 to 2.0 Natural CLAY: High plasticity, stiff, orange and moist

Southern portion of the site TP01-TP08 and TP28-TP46:

- 0.0 to 0.15-0.25 Concrete FILL
- 0.15-0.25 to 0.4-0.8 FILL: Silty sand, dark grey/brown, with some silt and dry.
- 0.4-0.8 to 2.0 Natural CLAY: High plasticity, stiff, orange and moist.

No olfactory signs of contamination were observed, although an asphalt layer was observed at 0.8 mbgl in TP09.

Within the energy depot, soil analytical results were below the adopted human health and ecological criteria, except for lead in TP40_0.2–0.3 m (720 mg/kg) and TP41_0.7–0.8 m (410 mg/kg), which exceeded the HIL-A criterion (300 mg/kg).

Within the broader site, soil analytical results were below human health and ecological criteria except for:

- Lead at TP01_0.3–0.4 m (430 mg/kg) and TP28_1.0–1.1 m (1,200 mg/kg), exceeding HIL-A (300 mg/kg)
- B(a)P TEQ in TP33_0.4-0.6 m (18 mg/kg), exceeding HIL-A (3 mg/kg)
- TRH >C_{16}-C_{34} (F3) in TP23_0.6–0.7 m (530 mg/kg) and TP33_0.4–0.6 m (510 mg/kg), exceeding the F3 ESL for coarse soil (300 mg/kg)
- B(a)P in TP23_0.6–0.7 m (1.4 mg/kg) and TP33_0.4–0.6 m (12 mg/kg), exceeding the ESL (0.7 mg/kg).

Asbestos was identified in soils as follows:

- 64 x 10 kg bulk samples were collected and submitted for analysis. Sieving of soil to 7 mm for ACM determination was conducted at the laboratory.
  - Fragments of ACM were identified in 7 samples, with 4 exceeding the HSL-A criterion (0.01% w/w).
- 70 soil grab samples (500 mL) were submitted for asbestos identification in soil.
  - AF/FA were identified in 3 samples, with the concentration in 1 sample exceeding the HSL-A criterion (0.001% w/w).
- 3 suspected ACM fragments submitted for asbestos analysis. Each fragment was confirmed to contain asbestos, with the fragment weight being such that, if gravimetric analysis were conducted, the HSL criterion would be exceeded.

For waste classification, all samples were within the CT1 thresholds except for several exceedances for lead, nickel and BaP, including some exceedances of CT2 criteria (lead and BaP). TCLP was conducted on the samples with CT1 and CT2 exceedances and all results were below the SCC1 and TCLP 1 criteria, except for BaP in TP33_0.4-0.6. NP attributed the source of the BaP to asphalt bituminous material present in the sample that therefore pre-classified it as GSW.

3.2 Groundwater Investigation

For groundwater sampling, no visual or olfactory indicators of potential contamination were noted except for:

- MW006 – hydrocarbon odour observed.
- MW011D – some foaming observed.

Four shallow groundwater monitoring wells were developed, purged and sampled. Due to the discontinuous nature of perched groundwater and the small number of wells, inferred groundwater contours of the perched aquifer and flow directions were not derived.

For deeper groundwater, the inferred groundwater flow directions were largely consistent across the two GMEs, with an apparent northeast to southwest groundwater divide west of Mowbray House, with groundwater flowing northwest towards Lane Cove River in the northern half of the site, and southeast towards the Sydney Metro dive site in the southern half. Response to rainfall was reported in some deep groundwater wells (most notably SRT-MW101D and SRT-MW018) but NP considered it was likely attributable to the well annulus being compromised.

PFAS exceedances were reported in the following shallow groundwater samples:

- Sum of PFHxS and PFOS exceeded the drinking water criterion (0.07 µg/L) at the following wells:
  - In Round 1, at SRT-MW009S (0.13 µg/L), SRT-MW011S (0.38 µg/L), SRTMW013S (0.27 µg/L), and SRT-MW101S (0.17 µg/L).
  - In Round2, at the same three wells - SRT-MW009S (0.19 µg/L), SRT-MW011S (0.53 µg/L), and SRT-MW013S (0.13 µg/L).
- PFOS exceeded the 95% freshwater species protection criterion (0.13 µg/L) at the following wells:
  - Round 1: SRT-MW11S (0.34 µg/L) and SRT-MW013S (0.20 µg/L)
  - Round 2: SRT-MW011S (0.49 µg/L)
- PFOS exceeded the 99% freshwater species protection criterion (results above the laboratory LOR) at the following wells:

- Round 1: SRT-MW009S (0.08 µg/L) and SRT-MW101S (0.12 µg/L)
- Round 2: SRT-MW009S (0.13 µg/L), SRT-MW013S (0.10 µg/L), and SRT-MW101S (0.04 µg/L)

The following exceedances were reported for deep groundwater quality:

- Benzene exceeded the drinking water criterion (1 µg/L) at the following wells:
  - Round 1: SRT-MW028 (24 µg/L)
  - Round 2: SRT-MW004 (2 µg/L) and SRT-MW028 (24 µg/L)
- Sum of PFHxS and PFOS exceeded the drinking water criterion (0.07 µg/L) at the following wells:
  - Round 1: SRT-MW006 (0.08 µg/L), SRT-MW011 (0.43 µg/L), SRT-MW013 (0.08 µg/L), SRT-MW018 (0.1 µg/L), SRTMW022 (0.08 µg/L), SRT-MW026 (0.67 µg/L), and SRT-MW101 (0.15 µg/L).
  - Round 2: SRT-MW006 (0.08 µg/L), SRT-MW011 (0.29 µg/L), SRT-MW013 (0.1 µg/L), SRT-MW018 (0.11 µg/L), SRT-MW026 (0.16 µg/L), and SRT-MW101 (0.18 µg/L).
- PFOS exceeded the 95% freshwater species protection criterion (0.13 µg/L) at the following wells:
  - Round 1: SRT-MW011 (0.35 µg/L) and SRT-MW026 (0.15 µg/L)
  - Round 2: SRT-MW011 (0.13 µg/L)
- PFOS exceeded the 99% freshwater species protection criterion (results above the laboratory LOR) at the following wells:
  - Round 1: SRT-MW004 (0.01 µg/L), SRT-MW006 (0.06 µg/L), SRT-MW009 (0.02 µg/L), SRT-MW013 (0.08 µg/L), SRT-MW018 (0.08 µg/L), SRT-MW022 (0.05 µg/L), SRT-MW025 (0.04 µg/L), SRTMW027 (0.03 µg/L), SRT-MW028 (0.01 µg/L), and SRT-MW101 (0.09 µg/L).
  - Round 2: SRT-MW004 (0.02 µg/L), SRT-MW006 (0.06 µg/L), SRT-MW009 (0.03 µg/L), SRT-MW013 (0.10 µg/L), SRT-MW018 (0.09 µg/L), SRT-MW025 (0.04 µg/L), SRTMW027 (0.03 µg/L), SRT-MW028 (0.01 µg/L), and SRT-MW101 (0.11 µg/L).
- Nickel exceeded the drinking water criterion (0.02 mg/L) and freshwater ecological criterion (0.011 mg/L) at SRT-MW028 (0.029 mg/L) in Round1 and SRT-MW025 (0.024 mg/L) in Round2.
- Lead exceeded the freshwater ecological criterion (0.0034 mg/L) at SRT-MW027 (0.004 mg/L) in Round1.
- Mercury exceeded the freshwater ecological criterion (0.00006 mg/L) at SRT-MW027 (0.0005 mg/L) in Round 2.
- Copper and zinc concentrations were above their respective freshwater ecological criteria (0.0014 mg/L and 0.008 mg/L, respectively) at most locations during both monitoring rounds.

3.3 Discussion

NP addressed the data gaps as follows:

- Data Gap 1 – PFAS in Shallow Groundwater: Mann Kendall analysis was completed to assess PFHxS and PFOS trends in groundwater. While acknowledging the small dataset, the analysis provided an indication of stable PFAS concentrations across the 3 to 5 year period in SRT-MW013S and SRT-MW101S, no trend for SRT-MW011S, and an increasing trend for SRT-MW009. Since this location is considered to be upgradient, NP concluded that this may indicate an offsite source may be contributing to PFAS in shallow

groundwater. The maximum sum of PFHxS and PFOS concentration reported in shallow groundwater is four times below the recreational level, and on this basis is considered a low risk to potential future site workers who may come in direct contact with shallow groundwater. The presence of PFAS in perched groundwater should be considered during remediation works with respect to the management of any groundwater seeping into excavations.

- Data Gap 2 – Deep Groundwater Flow Direction: The groundwater flow direction was showing a northeast to southwest groundwater divide, with a groundwater flow northwest towards Land Cove River in the northern half of the site and southeast towards the Sydney Metro dive site in the southern half (where the excavation depths of ~85 m AHD). NP considered that the data collected has provided a sufficient understanding of groundwater conditions and the absence of complete SPR linkages, and data gaps in relation to deep groundwater have been addressed.
- Data Gap 3 – Deep Groundwater Natural Attenuation: Mann Kendall analysis of benzene concentrations at four locations was completed. Acknowledging a small data set, the benzene concentrations at SRT-MW004 and SRT-MW013 were found to be stable, and concentrations at SRT-MW018 and SRT-MW028 showed no trend (although noted to have respectively reduced from 66 µg/L to < LOR and from 450 µg/L to 24 µg/L). Elevated benzene concentrations were previously reported in the northwest portion of the site and have considerably decreased over time. Natural attenuation indicators were also monitored, including dissolved oxygen, redox potential, nitrate, ferrous iron, sulphate and methane which support evidence that natural attenuation is occurring.
- Data Gap 4
  - Waste Classification: With a total of 46 test pits across the site, a satisfactory sampling density has been achieved. Waste classifications have been completed with parts of the site preliminary classified as GSW or GSW special waste asbestos.
  - Asbestos Containing Material: the additional asbestos investigation identified asbestos fragments, AF/FA and ACM fragments at the site.
- Data Gap 5 – Former Energy Depot Footprint: Seven test pits were excavated in the area to close this data gap. Soil results reported exceedances of the human health criterion for lead at two locations and identified the presence of asbestos at two locations.

Required changes to the conceptual model include:

- Lead exceedances of HIL-A were identified within the former Ausgrid depot footprint. The SPR linkage was considered to be potentially complete and thus the remediation extent should be expanded.
- Asbestos was identified within the former Ausgrid depot footprint. The SPR linkage was considered to be potentially complete and thus the remediation extent should be expanded.
- Groundwater flow was considered to be largely consistent with the DGI. With potential abstraction of shallow groundwater containing PFAS being a potentially complete exposure pathway, management will be required during remediation works through the construction environmental management plan.
- Asbestos was identified in the Caltex service station area. This SPR linkage is complete for workers during redevelopment and remediation of asbestos is required in accordance with the RAP.

4 Auditor Comments

The Auditor has reviewed NP's PRI) with reference to relevant guidelines made or approved by the NSW EPA. The report largely meets the guideline requirements. The Auditor provides the following comments for consideration:

1. Section 5 & 10: The section states that the DQO process was developed and presented in the SAQP. Please include a statement or discussion in Section 10 outlining whether the specific DQOs were met.
2. Section 8.2.2.2:
    a. Table 8.3 - please state the date(s) water level data was collected.
    b. Why wasn't a logger installed in SRT-MW028?
    c. The water levels for SRT-MW013 and SRT-MW028, Round 1, were not included in the potentiometric analysis in Figure 5. Please update or provide the rationale for their exclusion.
    d. This section indicates that rainfall responses were observed in in the logged water levels in some wells, with the highest magnitude responses in SRT-MW101D and a lesser (but not negligible) response in SRT-MW018. Concurrently, benzene concentrations in MW-018 have decreased considerably. Were the wells with identified rainfall response used for consideration of natural attenuation? How might surface water ingress influence subsurface conditions and conclusions? Given the potential surface water interaction in these wells, can we conclude that the observations to be representative of the true aquifer conditions? Part of the interpretation of the presence of a groundwater flow divide through the centre of the site is premised on the elevated water level elevation in MW018, could it be influenced by surface water ingress?
    e. Are there any thoughts on why there is an unusually low water level in SRT-MW004? The depth to water in this well has consistently been ~4.5 m lower than in the adjacent MW101D. Is it reasonable to include it in the potentiometric analysis if there isn't an explanation for the steep hydraulic gradient in this location? The seemingly anomalous water level in this well has a disproportionate influence on the sitewide groundwater flow interpretation.
3. Section 8.2.3: higher water levels, lower EC, and higher redox values were reported during the Round 2 monitoring event, which may be indicative of rainfall recharge to shallow and deep groundwater between GMEs. Please comment on how this might influence the natural attenuation assessment.
4. Section 9.1:
    a. How far does the "second slab" extend across the site?
    b. TP35 was terminated on a suspected ACM Pipe – does this find require an update to the remediation approach?
5. Section 10.1: The NP response to Question 4 in IA5 indicated that the PRI report would discuss the discontinuous nature of perched groundwater. Section 10.1 states "the perched water is discontinuous across the site, likely limited to the southern half of the site." How was this confirmed?
6. Section 10.3: The natural attenuation discussion in this section is somewhat generic (i.e. indicator parameter ranges are presented across the entire site and even spanning between monitoring events). Earlier discussion in this section addresses trend analysis for benzene concentrations in four locations. The natural attenuation discussion should likewise focus on specific contamination source areas and comment on NA evidence in those specific areas (MW028 appears to be the only one addressed in Table 10.2). Please also consider whether the influence of rainfall recharge on groundwater chemistry between the GME's is confounding for the natural attenuation discussion.
7. Section 11: the updated conceptual site model concludes that the remediation extent will need to be expanded with respect to lead and asbestos in the former Ausgrid depot footprint, asbestos in the former Caltex service station, and PFAS management in groundwater. Section 12.5 refers to an update or addendum to the RAP, please confirm whether and when this will be prepared given active remediation works are now well advanced on site.

8. Section 12.1 concludes that the management of PFAS impacted groundwater will need to be addressed by the remediation contractor during implementation of the RAP through a sub-plan to their construction environmental management Plan. In response to Q8b in IA6, NP stated they will request that Sydney Metro provide formal correspondence to the remediation contractor to provide a respective work plan for PFAS impacted water and update to the CEMP. Please confirm whether this correspondence has been issued.
9. Appendix B:
    a. Most of the test pits advanced in the northern portion of the site were terminated due to refusal on a second slab and did not reach natural material. Please discuss the implications in terms of data gaps, the conceptual site model and remediation approach in areas where characterisation has not been completed.
    b. The lithology is missing from the log of TP12 between 0.4 m and 2.0 m.
    c. Please confirm – the borehole log for MW028 shows the second concrete slab to be 2 m thick, extending between 0.5 and 2.7m depth. Please confirm if this was the actual thickness of the slab in this location.
    d. The test pit log for test pit 46 is labelled test pit 45.
10. Appendix D:
    a. MW011D - there are pH and conductivity variances in the purging record for sampling date 27/10/2023. Please confirm is these are real or data entry errors?
    b. Several wells recorded a significant change in water quality parameters prior to sampling. For example, the pH in MW022 increased from 4.69 to 6.7, the pH in MW026 increased from 3.95 to 4.35. The depth to water significantly declined in MW025 during sampling using micropurge methods. Please comment on the reasoning for these changes and how this may impact analytical results.
11. Appendix E:
    a. The field sheet for MW06 refers to primary duplicate QC-DUP3 and a secondary duplicate QC-DUP4. The QC tables in Appendix E compare MW06 to QC-DUP5. QC-DUP3 and QC-DUP4 are not presented in Appendix E. Please confirm has the correct duplicate been presented in the QC tables.
    b. Why are both the primary and secondary duplicate RPDs presented?
12. Appendix F: TP35 - please include the lab report with results for the asbestos pipe sample.

We request that Nation Partners provide responses to the above comments, together with an amended copy of the PRI Report, as appropriate.

5 Closure

This interim advice does not constitute a SAS or a SAR, but rather is provided to assist the Client in the assessment and management of contamination issues at the site. The information provided herein should not be considered pre-emptive of the final Audit conclusions. It represents the Auditor's opinion based on the review of currently available information.

Should you have any queries or wish to discuss any points, please do not hesitate to contact Sarah Silver or the undersigned.

Yours sincerely,



Lange Jorstad
NSW EPA accredited Site Auditor (No. 1001)
Geosyntec Consultants Pty Ltd

Nation Partners responses to Site Auditor - Interim Advice 07

Chatswood Pre-Remediation Investigation - Pre-Remediation Investigation Report - dated 10 June 2024

Comment No.		Section	Comment	Response
1		5 & 10	The section states that the DQO process was developed and presented in the SAQP. Please include a statement or discussion in Section 10 outlining whether the specific DQOs were met.	Appendix E QAQC Assessment has been updated to include consideration of the DQOs. Section 6.2.7 also states "*Although some minor non-conformances were identified, they were not considered to compromise the integrity and usability of the data collected. Nation Partners considered that the data collected was of sufficient quality to achieve the objectives of this investigation*."
2	a	8.2.2.2	Table 8.3 - please state the date(s) water level data was collected.	Table 8.3 has been updated to include dates.
	b		Why wasn't a logger installed in SRT-MW028?	MW028 was unable to be accessed during logger deployment due to access contraints posed by the site demolition works at the time, as outlined in Table 6.1. Table 8.3 has been updated to reflect this.
	c		The water levels from SRT-MW013 and SRT-MW028, Round 1, were not included in the potentiometric analysis in Figure 5. Please update or provide the rationale for their exclusion.	MW013, MW06, and MW028 were unable to be accessed during Round 1a due to access contraints posed by the site demolition works at the time, as outlined in Table 6.1. Table 8.3 has been updated to reflect this.
	d(i)		This section indicates that rainfall responses were observed in the logged water levels in some wells, with the highest magnitude responses in SRT-MW10D and a lesser (but not negligible) response in SRT-MW018. Concurrently, benzene concentrations in MW-018 have decreased considerably. Were the wells with identified rainfall response used for consideration of natural attenuation?	Yes, however it is noted that there had been no rainfall in the week prior to sampling Rounds 1a and 2. Text has been added to Section 10.3 outlining that the effect of rainwater ingress on the assessment of natural attenuation is considered to be minimal.
	d(ii)		How might surface water ingress influence subsurface conditions and conclusions? Given the potential surface water interactions with these wells, can we conclude that the observations to be representative of the true aquifer conditions?	Noted, per response to 2d(i).
	d(iii)		Part of the interpretation of the presence of a groundwater flow divide through the centre of the site is premised on the elevated water level elevation in MW018, could it be influenced by surface water ingress?	Text has been added to Section 10.2 outlining that the gauging was undertaken following at least 1 week of dry weather, and that between Rounds 1 and 2, there is a consistent ~1m difference in groundwater elevation for all locations.
	e		Are there any thoughts on why there is an unusually low water level in SRT-MW004? The depth to water in this well has consistently been ~4.5 m lower than in the adjacent MW101D. Is it reasonable to include it in the potentiometric analysis if there isn't an explanation for the steep hydraulic gradient in this location? The seemingly anamolous water level in this well has a disproportionate influence on the sitewide groundwater flow interpretation.	Noted and agreed re. the anomally. The reason for the difference in elevation is unknown, and most likely associated with the Metro Dive and groundwater sump to the south-west. It is noted that removing MW04 from potentiometric contours still results in a groundwater divide and no change to the overall flow directions. Additionally as indicated by the level logging, MW101D is likely compromised and influened by rainfall, with the standing water level at this location being potentially artificially elevated, which would further explain the steep gradient between MW101D and MW04.
3		8.2.3	Higher water levels, lower EC, and higher redox values were reported during the Round 2 monitoring event, which may be indicative of rainfall recharge to shallow and deep groundwater between GMEs. Please comment on how this might influence the natural attenuation assessment.	Updates have been made to Section 10.3 highlighting that while rainfall recharge may have occured at locations in the central and southern portions of the site, MW027 logger data did not indicate a response to rainfall, and the natural attenuation parameters in the vicinity of the former Caltex service station provide a strong line of evidence for natural attenuation of benzene concentrations.
4	a	9.1	How far does the "second slab" extend across the site?	New Figure 4 shows the indicative extent of second slab.
	b		TP35 was terminated on a suspected ACM pipe - does this find require an update to the remediation approach?	The RAP Addendum considered this and extended the indicative extent of remediation based on the observations made during the testpitting.
5		10.1	The NP response to Question 4 in IA5 indicated that the PRI report would discuss the discontinuous nature of perched groundwater. Section 10.1 states "the perched water is discontinuous across the site, likely limited to the southern half of the site." How was this confirmed?	First paragraph of Section 10.1 states that *As discussed in Section 2.7, during the DGI perched groundwater was not encountered in the northern portion of the site (hence no shallow groundwater wells were installed there).* With respect to the data gap being addressed being the presence or absence of PFAS in shallow groundwater, the objective has been met by identifying the presence of PFAS. Additionally, the Section 12.1 conclusions relate to the site-wide management of groundwater. i.e. all groundwater across the site encountered as part of the remediation needs to consider the potential for PFAS to be present.
6		10.3	The natural attenuation discussion in this section is somewhat generic (i.e. indicator parameter ranges are presented across the entire site and even spanning between monitoring events). Earlier discussion in this section addresses trend anaylsis for benzene concentrations in four locations. The natural attenuation discussion should likewise focus on specific contamination source areas and comment on NA evidence in those specific areas (MW028 appears to be the only one addressed in Table 10.2). Please also consider whether the influence of rainfall recharge on groundwater chemistry between the GME's is confounding for the natural attenuation discussion.	Additional text has been added to Section 10.3 referencing the previous VMP and Site Audit which were closed based on satisfactory lines of evidence for attenuation of benzene concentrations associated with the former Caltex. Table 10.2 has been revised to be specific for the north-western portion of the site which corresponds to the former Caltex, to demonstrate natural attenuation. Additional text has been added to Section 10.3 regarding the influence of rainfall recharge on the natural attenuation lines of evidence.
7		11	The updated conceptual site model concludes that the remediation extent will need to be expanded with respect to lead and asbestos in the former Ausgrid depot footprint, asbestos in the former Caltex service station, and PFAS management in groundwater. Section 12.5 refers to an update or addendum to the RAP, please confirm whether and when this will be prepared given active remedation works are now well advanced on site.	Yes, a RAP Addendum was prepared in December 2023, and provided to the Site Auditor via email on 26 February 2024. A copy has been provided with these responses for reference. With respect to PFAS in perched groundwater, Sydney Metro are to provide the correspondence sent to RMA.
8		12.1	Section 12.1 concludes that the management of PFAS impacted groundwater will need to be addressed by the remediation contractor during implementation of the RAP through a sub-plan to their construction environmental management Plan. In response to Q8b in IA6, NP stated they will request that Sydney Metro provide formal correspondence to the remediation contractor to provide a respective work plan for PFAS impacted water and updated to the CEMP. Please confirm whether this correspondence has been issued.	Sydney Metro to provide the correspondence sent to RMA.
9	a	Appendix B	Most of the test pits advanced in the northern portion of the site were terminated due to refusal on a second slab and did not reach natural material. Please discuss the implications in terms of data gaps, the conceptual site model and remediation approach in areas where characterisation has not been completed.	Data Gap 3 related to waste classification assurance, noting ex-situ classification during remediation is still required. The second slabs do not affect the outcome of the investigation with respect to this data gap. Data Gap 4 related to the presence of asbestos in soils. The second slabs affect this data gap, the RAP addendum, and remediation approach. Updates to Sections 10.4, 10.5, 12.3, and 12.4 have been made with respect to the limitations posed by second slabs.
	b		The lithology is missing from the log of TP12 between 0.4 m and 2.0 m.	Noted, this has been amended, second slab was encountered at 0.4 m and the testpit terminated.
	c		Please confirm - the borehole log for MW028 shows the second concrete slab to be 2 m thick, extending between 0.5 and 2.7m depth. Please confirm if this was the actual thickness of the slab in this location.	Yes, this was assumed to be a footing. As a separate note, during the current remediation works, tower crane pad footings and areas of engineered slab have been uncovered, supporting this interpretation for MW028.
	d		The test pit log for test pit 46 is labelled test pit 45.	Noted, this has been amended.
10	a	Appendix D	MW011D - there are pH and conductivity variances in the purging record for sampling date 27/10/2023. Please confirm these are real or data entry errors?	These were data entry errors and have been ammended.
	b		Several wells recorded a significant change in water quality parameters prior to sampling. For example, the pH in MW022 increased from 4.69 to 6.7, the pH in MW026 increased from 3.95 to 4.35. THe depth to water significantly declined in MW025 during sampling using micropurge methods. Please comment on the reasoning for these changes and how this may impact analytical results.	Section 6.4 (Deviations from the SAQP) dot point 3 outlines that low-flow sampling for Round 1 experienced drawdown which exceeded the expected reharge rate. As such, sampling was undertaken by purging a volume of water and sampling the recovery (in accordance with Vic EPA publication 669.1), rather than demonstrating field parameter stabilisation. Round 1b compared low-flow to HydraSleeve, and Round 2 switched to HydraSleeve, consisted with the 2020 investigation. Additional text has been added to Section 10.3 to address this.
11	a	Appendix E	The field sheet for MW06 refers to primary duplicate QC-DUP3 and a secondary duplicate for QC-DUP4. The QC tables in Appendix E compare MW06 to QC-DUP5. QC-DUP3 and QC-DUP4 are not presented in Appendix E. Please confirm has the correct duplicate been presented in the QC tables.	DUP3 and DUP4 were from MW06 in Round 1b, DUP5 was from MW06 in round 2. Table E-2 has been updated to include all inter- and intra-laboratory duplicate pairs.
	b		Why are both the primary and secondary duplicate RPDs presented?	Unclear what the Site Auditor requires here. Table E-1 presents both inter- and intra-laboratory duplicates compared to the respective primary soil sample. On review of Table E-2, the inter-laboratory duplicates were omitted, and are now included.
12		Appendix F	TP35 - please include the lab report with results for the asbestos pipe sample.	The log notes the pipe is suspected to contain ACM, it was not destructively sampled for confirmation. It is noted that an ACM fragment was identified, sampled, and confirmed to be asbestos (TP035_0.4-0.6P). As such, not sampling the suspected ACM pipe does not alter the findings or remediation approach presented in the RAP Addendum.

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31 July 2024

Eric Gotla
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: eric.gotla@transport.nsw.au
Cc: Gaya.Premkumar@transport.nsw.gov.au

Dear Eric,

Re: Interim Advice 08: Endorsement of Nation Partners Pre-Remediation Investigation Report, Chatswood Dive Site

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice (IA), the Auditor has reviewed the following reports related to land contamination assessment:

- Nation Partners Pty Ltd (NP) (18 July 2024) Pre-Remediation Investigation Report, Chatswood Site (Ref: Chatswood PRI Repor_Final_v2.0), herein referred to as the PRI.

This IA also refers to the following documents:

- NP (4 August 2023) Chatswood Pre Remediation Investigation Sampling Analysis & Quality Plan (Ref: Chatswood Pre-Remediation – SAQPv2.0), herein referred to as the SAQP.

The purpose of the current IA is to document Auditor findings following the review of existing information related to site conditions and contamination status. This advice also outlines any data gaps identified in the existing information which should be addressed by the appointed consultant as either part of any further investigation works, or as part of any remedial or validation works that may be required at the site.

3 Summary of Investigation

The objectives of the PRI were to:

- Collect information to inform data gaps remaining from prior investigations and resulting from the proposed remediation works:
  - Data Gap 1 – PFAS in Shallow Groundwater - There is the potential for shallow groundwater impacted by per- and poly-fluoroalkyl substances (PFAS) to be present. Investigation of the likelihood of shallow groundwater was required, in addition to an assessment of potential exposure risk to site workers (if present).
  - Data Gap 2 – Deep Groundwater - There was uncertainty regarding the flow direction of deep groundwater, and natural attenuation of heavy metal and hydrocarbon impacts.
  - Data Gap 3 – Waste Classification - Waste classification conducted as part of the DGI was preliminary and did not provide a sufficient sampling density to achieve assurance. Additional in-situ waste classification sampling was required to refine the waste classifications.
  - Data Gap 4 – Asbestos Containing Material - Asbestos containing material (ACM) has previously been reported in the fill soils at the site, however the entire site had not been investigated in a sufficient manner to determine the potential wide-spread presence of ACM or friable asbestos/asbestos fines (FA/AF).
  - Data Gap 5 – Former Energy Depot Footprint - The footprint of the former energy depot building footprint had not been previously investigated.
- Refine the Conceptual Site Model (CSM) for the site.
- Use the refined waste classification and CSM to inform the remediation of the site.

The scope of work included:

- Prepare a SAQP detailing the investigation planning approach, and sampling and laboratory analyses to be conducted during the investigation.
- Liaise with Sydney Metro and Systems Connect contractors (site occupier at the time) with respect to access, timing, permits and inductions.
- Prepare a Health, Safety and Environmental Management Plan (HSEP) to address health, safety, and environmental risks associated with the proposed works.
- Conduct sampling works as detailed in the SAQP; This included:
  - Asbestos investigation, including excavation of 39 test pits, soil logging and sampling and laboratory analysis of selected soil samples.
  - Targeted investigation of the former Ausgrid depot building footprint, including excavation of 7 test pits, soil logging and sampling and laboratory analysis of selected soil samples.
  - Groundwater investigation, comprising two rounds of groundwater monitoring including gauging and sampling (using low flow methods and HydraSleeve for PFAS sampling) the existing groundwater monitoring well network.
- Interpret data collected and prepared a report detailing the findings.

The works related to the PRI were completed between September and February 2024.

Deviations to the SAQP included:

- The area of the energy depot was able to be investigated using test pits instead of boreholes due to the structure being demolished.
- Test pits in the northern part of the site were limited due to the presence of a buried concrete slab or underground services.

- Low flow sampling was performed for Round 1a. Round 1b was completed using both Mircopurge and HydraSleeve methods. HydraSleeve sampling was adopted for Round 2 sampling.
- Wells SRT-MW017 and SRT-MW024 were destroyed by construction activities and not available for sampling. NP state that the loss of these wells resulted in a minor reduction of the coverage across the site; however, was mitigated by the locations of SRT MW013, SRT-MW018, and SRT-MW022.
- SRT-MW009S could not be sampled during one round due to plant being parked over top. SRT-MW022 could not be sampled during Round 1 due to being covered by a temporary stockpile.
- Level loggers were not installed in shallow wells.

3.1 Soil Investigation

A summary of the general soil conditions encountered is provided below.

Northeastern portion of site TP09-TP20:

- 0.0 to 0.2-0.3 Concrete FILL
- 0.2-0.3 to 0.9-1.8 FILL: Sandy reworked clay of low plasticity, red/grey mottling, moist and containing some coarse angular gravels.
- 1.3-2.0 Natural CLAY: High plasticity, stiff, orange and moist.

Northwestern portion of site TP21-TP27:

- 0.0 to 0.2-0.3 Concrete FILL
- 0.2-0.3 to 1.2-2.0 FILL: Sandy reworked clay of low plasticity, red/grey mottling, moist and containing some coarse angular gravels.
- 1.2-2.0 to 2.0 Natural CLAY: High plasticity, stiff, orange and moist

Southern portion of the site TP01-TP08 and TP28-TP46:

- 0.0 to 0.15-0.25 Concrete FILL
- 0.15-0.25 to 0.4-0.8 FILL: Silty sand, dark grey/brown, with some silt and dry.
- 0.4-0.8 to 2.0 Natural CLAY: High plasticity, stiff, orange and moist.

No olfactory signs of contamination were observed, although an asphalt layer was observed at 0.8 mbgl in TP09.

Within the energy depot, soil analytical results were below the adopted human health and ecological criteria, except for lead in TP40_0.2–0.3 m (720 mg/kg) and TP41_0.7–0.8 m (410 mg/kg), which exceeded the HIL-A criterion (300 mg/kg).

Within the broader site, soil analytical results were below human health and ecological criteria except for:

- Lead at TP01_0.3–0.4 m (430 mg/kg) and TP28_1.0–1.1 m (1,200 mg/kg), exceeding HIL-A (300 mg/kg)
- B(a)P TEQ in TP33_0.4-0.6 m (18 mg/kg), exceeding HIL-A (3 mg/kg)
- TRH >C_{16}-C_{34} (F3) in TP23_0.6–0.7 m (530 mg/kg) and TP33_0.4–0.6 m (510 mg/kg), exceeding the F3 ESL for coarse soil (300 mg/kg)
- B(a)P in TP23_0.6–0.7 m (1.4 mg/kg) and TP33_0.4–0.6 m (12 mg/kg), exceeding the ESL (0.7 mg/kg).

Asbestos was identified in soils as follows:

- 64 x 10 kg bulk samples were collected and submitted for analysis. Sieving of soil to 7 mm for ACM determination was conducted at the laboratory.
  - Fragments of ACM were identified in 7 samples, with 4 exceeding the HSL-A criterion (0.01% w/w).
- 70 soil grab samples (500 mL) were submitted for asbestos identification in soil.
  - AF/FA were identified in 3 samples, with the concentration in 1 sample exceeding the HSL-A criterion (0.001% w/w).
- 3 suspected ACM fragments submitted for asbestos analysis. Each fragment was confirmed to contain asbestos, with the fragment weight being such that, if gravimetric analysis were conducted, the HSL criterion would be exceeded.

For waste classification, all samples were within the CT1 thresholds except for several exceedances for lead, nickel and BaP, including some exceedances of CT2 criteria (lead and BaP). TCLP was conducted on the samples with CT1 and CT2 exceedances and all results were below the SCC1 and TCLP 1 criteria, except for BaP in TP33_0.4-0.6. NP attributed the source of the BaP to asphalt bituminous material present in the sample that therefore pre-classified it as GSW.

3.2 Groundwater Investigation

For groundwater sampling, no visual or olfactory indicators of potential contamination were noted except for:

- MW006 – hydrocarbon odour observed.
- MW011D – some foaming observed.

Four shallow groundwater monitoring wells were developed, purged and sampled. Due to the discontinuous nature of perched groundwater and the small number of wells, inferred groundwater contours of the perched aquifer and flow directions were not derived.

For deeper groundwater, the inferred groundwater flow directions were largely consistent across the two GMEs, with an apparent northeast to southwest groundwater divide west of Mowbray House, with groundwater flowing northwest towards Lane Cove River in the northern half of the site, and southeast towards the Sydney Metro dive site in the southern half. Response to rainfall was reported in some deep groundwater wells (most notably SRT-MW101D and SRT-MW018) but NP considered it was likely attributable to the well annulus being compromised.

PFAS exceedances were reported in the following shallow groundwater samples:

- Sum of PFHxS and PFOS exceeded the drinking water criterion (0.07 µg/L) at the following wells:
  - In Round 1, at SRT-MW009S (0.13 µg/L), SRT-MW011S (0.38 µg/L), SRTMW013S (0.27 µg/L), and SRT-MW101S (0.17 µg/L).
  - In Round2, at the same three wells - SRT-MW009S (0.19 µg/L), SRT-MW011S (0.53 µg/L), and SRT-MW013S (0.13 µg/L).
- PFOS exceeded the 95% freshwater species protection criterion (0.13 µg/L) at the following wells:
  - Round 1: SRT-MW11S (0.34 µg/L) and SRT-MW013S (0.20 µg/L)
  - Round 2: SRT-MW011S (0.49 µg/L)
- PFOS exceeded the 99% freshwater species protection criterion (results above the laboratory LOR) at the following wells:

- Round 1: SRT-MW009S (0.08 µg/L) and SRT-MW101S (0.12 µg/L)
- Round 2: SRT-MW009S (0.13 µg/L), SRT-MW013S (0.10 µg/L), and SRT-MW101S (0.04 µg/L)

The following exceedances were reported for deep groundwater quality:

- Benzene exceeded the drinking water criterion (1 µg/L) at the following wells:
  - Round 1: SRT-MW028 (24 µg/L)
  - Round 2: SRT-MW004 (2 µg/L) and SRT-MW028 (24 µg/L)
- Sum of PFHxS and PFOS exceeded the drinking water criterion (0.07 µg/L) at the following wells:
  - Round 1: SRT-MW006 (0.08 µg/L), SRT-MW011 (0.43 µg/L), SRT-MW013 (0.08 µg/L), SRT-MW018 (0.1 µg/L), SRTMW022 (0.08 µg/L), SRT-MW026 (0.67 µg/L), and SRT-MW101 (0.15 µg/L).
  - Round 2: SRT-MW006 (0.08 µg/L), SRT-MW011 (0.29 µg/L), SRT-MW013 (0.1 µg/L), SRT-MW018 (0.11 µg/L), SRT-MW026 (0.16 µg/L), and SRT-MW101 (0.18 µg/L).
- PFOS exceeded the 95% freshwater species protection criterion (0.13 µg/L) at the following wells:
  - Round 1: SRT-MW011 (0.35 µg/L) and SRT-MW026 (0.15 µg/L)
  - Round 2: SRT-MW011 (0.13 µg/L)
- PFOS exceeded the 99% freshwater species protection criterion (results above the laboratory LOR) at the following wells:
  - Round 1: SRT-MW004 (0.01 µg/L), SRT-MW006 (0.06 µg/L), SRT-MW009 (0.02 µg/L), SRT-MW013 (0.08 µg/L), SRT-MW018 (0.08 µg/L), SRT-MW022 (0.05 µg/L), SRT-MW025 (0.04 µg/L), SRTMW027 (0.03 µg/L), SRT-MW028 (0.01 µg/L), and SRT-MW101 (0.09 µg/L).
  - Round 2: SRT-MW004 (0.02 µg/L), SRT-MW006 (0.06 µg/L), SRT-MW009 (0.03 µg/L), SRT-MW013 (0.10 µg/L), SRT-MW018 (0.09 µg/L), SRT-MW025 (0.04 µg/L), SRTMW027 (0.03 µg/L), SRT-MW028 (0.01 µg/L), and SRT-MW101 (0.11 µg/L).
- Nickel exceeded the drinking water criterion (0.02 mg/L) and freshwater ecological criterion (0.011 mg/L) at SRT-MW028 (0.029 mg/L) in Round1 and SRT-MW025 (0.024 mg/L) in Round 2.
- Lead exceeded the freshwater ecological criterion (0.0034 mg/L) at SRT-MW027 (0.004 mg/L) in Round1.
- Mercury exceeded the freshwater ecological criterion (0.00006 mg/L) at SRT-MW027 (0.0005 mg/L) in Round 2.
- Copper and zinc concentrations were above their respective freshwater ecological criteria (0.0014 mg/L and 0.008 mg/L, respectively) at most locations during both monitoring rounds.

3.3 Discussion

NP addressed the data gaps as follows:

- Data Gap 1 – PFAS in Shallow Groundwater: Mann Kendall analysis was completed to assess PFHxS and PFOS trends in groundwater. While acknowledging the small dataset, the analysis provided an indication of stable PFAS concentrations across the 3 to 5 year period in SRT-MW013S and SRT-MW101S, no trend for SRT-MW011S, and an increasing trend for SRT-MW009. Since this location is considered to be upgradient, NP concluded that this may indicate an offsite source may be contributing to PFAS in shallow

groundwater. The maximum sum of PFHxS and PFOS concentration reported in shallow groundwater is four times below the recreational level, and on this basis is considered a low risk to potential future site workers who may come in direct contact with shallow groundwater. The presence of PFAS in perched groundwater should be considered during remediation works with respect to the management of any groundwater seeping into excavations.

- Data Gap 2 – Deep Groundwater Flow Direction: The groundwater flow direction was showing a northeast to southwest groundwater divide, with a groundwater flow northwest towards Land Cove River in the northern half of the site and southeast towards the Sydney Metro dive site in the southern half (where the excavation depths of ~85 m AHD). NP considered that the data collected has provided a sufficient understanding of groundwater conditions and the absence of complete SPR linkages, and data gaps in relation to deep groundwater have been addressed.
- Data Gap 3 – Deep Groundwater Natural Attenuation: Mann Kendall analysis of benzene concentrations at four locations was completed. Acknowledging a small data set, the benzene concentrations at SRT-MW004 and SRT-MW013 were found to be stable, and concentrations at SRT-MW018 and SRT-MW028 showed no trend (although noted to have respectively reduced from 66 µg/L to < LOR and from 450 µg/L to 24 µg/L). Elevated benzene concentrations were previously reported in the northwest portion of the site and have considerably decreased over time. Natural attenuation indicators were also monitored, including dissolved oxygen, redox potential, nitrate, ferrous iron, sulphate and methane which support evidence that natural attenuation is occurring.
- Data Gap 4
  - Waste Classification: With a total of 46 test pits across the site, a satisfactory sampling density has been achieved. Waste classifications have been completed with parts of the site preliminary classified as GSW or GSW special waste asbestos.
  - Asbestos Containing Material: the additional asbestos investigation identified asbestos fragments, AF/FA and ACM fragments at the site.
- Data Gap 5 – Former Energy Depot Footprint: Seven test pits were excavated in the area to close this data gap. Soil results reported exceedances of the human health criterion for lead at two locations and identified the presence of asbestos at two locations.

Required changes to the conceptual model include:

- Lead exceedances of HIL-A were identified within the former Ausgrid depot footprint. The SPR linkage was considered to be potentially complete and thus the remediation extent should be expanded.
- Asbestos was identified within the former Ausgrid depot footprint. The SPR linkage was considered to be potentially complete and thus the remediation extent should be expanded.
- Groundwater flow was considered to be largely consistent with the DGI. With potential abstraction of shallow groundwater containing PFAS being a potentially complete exposure pathway, management will be required during remediation works through the construction environmental management plan.
- Asbestos was identified in the Caltex service station area. This SPR linkage is complete for workers during redevelopment and remediation of asbestos is required in accordance with the RAP.

4 Auditor Consideration of PRI Report

The Auditor has reviewed the PRI report with reference to relevant guidelines made or approved by the NSW EPA. The report substantially complies with the guidelines, and the revisions made to the draft in response to the Auditor's interim advice comments (IA07) are acceptable.

The additional investigation has improved the conceptual site model and has addressed the remaining data gaps to the extent practicable and allowed for the remedial strategy to be refined to account for new information from the PRI.

The Auditor notes that the heterogeneous nature of fill material, particularly with respect to asbestos distribution, will require a diligent and adaptive approach during the remainder of the remediation program as new insights invariably occur during the course of the remediation program. Any further updates to the CSM and the remedial strategy must be fully documented in the validation report.

5 Closure

This interim advice does not constitute a SAS or a SAR, but rather is provided to assist the Client in the assessment and management of contamination issues at the site. The information provided herein should not be considered pre-emptive of the final Audit conclusions. It represents the Auditor's opinion based on the review of currently available information.

Should you have any queries or wish to discuss any points, please do not hesitate to contact Sarah Silver or the undersigned.

Yours sincerely,



Lange Jorstad
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AU122170A IA02 Asb non rem areas

9 August 2024

Gaya Prem kumar
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: Gaya.Premkumar@transport.nsw.gov.au

Dear Gaya,

Re: Interim Advice 02: Review of Asbestos in Non-Remediation Areas letter, Chatswood Metro Remediation

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice (IA), the Auditor has reviewed the following document related to land contamination assessment:

- Nation Partners Pty Ltd (NP) (31 July 2024) Chatswood Metro Remediation – Asbestos in Non-Remediation Areas (Ref: NP23132_Asbestos in Non-Remediation Areas_Final _v1.0).

The purpose of the current IA is to document Auditor findings following the review of the proposed strategy for characterising the potential presence of asbestos in fill material in areas of the site not proposed to be remediated in the RAP (NP, 2021) and RAP Addendum (NP, 2023).

3 Summary of Asbestos Review

The letter provides a summary of where asbestos has been encountered to date at the site, either during investigations or during civil works when the surface slabs were removed. In general, asbestos was encountered in historical fill material below the TSE fill layer (generally separated by a slab or asphalt layer), and primarily in the western portion of the site. Nation Partners noted that asbestos was encountered during remediation works in areas where it was not originally identified during investigations, including in the northern part of Remediation Area A1 and across the southern portion of the site.

Nation Partners reviewed historical data to evaluate potential sources of asbestos encountered to date. Relevant information was as follows:

- Asbestos was encountered in fill material during the remediation of the former Caltex property in the north-western portion of the property, which was subsequently placed in onsite containment cells as part of the remediation.
- Historical aerial photographs indicated that the western and southern portions of the site were historically developed for residential land use and a school, and the age of this development would suggest the potential for the use of asbestos building materials.
    - The northeastern portion of the site was historically occupied by a sports oval prior to construction of the Total Quality Centre. Nation Partners inferred a lower asbestos risk in this area due to the lack of historical residential development, and the likelihood of a higher standard of care in the demolition of the Total Quality Centre building (which occurred more recently in preparation for the tunnel portal construction).
- Accordingly, Nation Partners defined an "area of uncertainty" with respect to likelihood of asbestos occurrence in the centre of the site which coincides with historical residential land use, but excluded the footprint of the former oval and the Total Quality Centre building in the northeastern portion of the site on the assumption that this area represents a lower asbestos risk.

4 Auditor's Consideration of Asbestos Occurrence Conclusions

From review of the document, the Auditor agrees that historical residential land use, and subsequent demolition of those structures, is likely to be a source of asbestos in fill materials encountered in these areas. This is a common source of asbestos in old, undocumented fill material in urban areas around Australia.

The Auditor is less convinced about the level of confidence regarding the absence of asbestos in the northeastern portion of the site due to historical use as a sports oval. It is acknowledged that this area was difficult to investigate due to the presence of a second slab upon which nearly all the test pits in this area encountered refusal. However, the Auditor has encountered multiple parks and sports fields around NSW and the ACT underlain by very poor-quality fill materials. It is acknowledged that the lack of historical residential development in this area likely precludes poor demolition practices as a potential asbestos source. However, that logic cannot necessarily be extended to conclude that there is no other source of potentially contaminated fill in this area. At the very least, the Auditor considers this line of reasoning on its own does not provide sufficient confidence regarding the contamination status of this part of the site to support a land use suitability determination, without corresponding field data as a supporting line of evidence. It is an inference that doesn't hold up at many other parks and sports fields in the greater Sydney metropolitan area.

Considering that Sydney Metro is seeking a Section A1 site audit statement supporting unrestricted land use for the property and that asbestos has turned up in many areas of the site where it was not expected based on the investigation results, a higher standard of evidence will be necessary to conclude that material beneath the "second slab" in the northeastern portion of the site does pose a contamination risk for any land use.

5 Closure

This interim advice does not constitute a SAS or a SAR, but rather is provided to assist the Client in the assessment and management of contamination issues at the site. The information provided herein should not be considered pre-emptive of the final Audit conclusions. It represents the Auditor's opinion based on the review of currently available information.

Should you have any queries or wish to discuss any points, please do not hesitate to contact Sarah Silver or the undersigned.

Yours sincerely,



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16 April 2025

Gaya Prem kumar
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: Gaya.Premkumar@transport.nsw.gov.au

Dear Gaya,

Re: Interim Advice 03-R: Review of Alternative Boundary Soil Validation Sampling Methodology

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice (IA), the Auditor has been asked to comment on a proposed change to the soil validation sampling approach along portions of the site boundary where sheet piles were installed to support excavations.

This IA has been updated to reflect the collection of soil samples from the "inside" (site-facing) side of the sheet piles rather than the boundary-facing side of the sheet piles.

3 Summary of Proposed Change to Validation Approach

Temporary sheet piles were installed along the Pacific Highway and Nelson Road boundaries, offset from the cadastral boundary by approximately 0.5 m, to support the property boundary during bulk excavation of fill materials and to protect sensitive underground assets (and the roadways themselves) adjacent to the property boundary. The fencing/hoarding along these boundaries is also offset by approximately 0.5 m from the cadastral property boundary. As a result, there will be a sliver of land, approximately 0.5 m thick, between the sheet piles / hoarding and the property boundary with Pacific Highway and Nelson Road that will not be excavated. The presence of the sheet piles will not allow for direct collection of wall samples from the fill excavation along the site boundary, as the excavation will be backfilled for geotechnical stability before the sheet piles are removed.

Accordingly, Nation Partners has proposed the following alternative methodology for collection of validation soil samples along the relevant property boundaries, as outlined in an email dated 5 August 2024:

- Due to the corrugation of the sheet piles, soil adheres to the sheet piles following bulk excavation.
- NP proposes to sample the residual soil adhering to sheet piles to validate the excavation walls, at a sampling density consistent with the Remediation Action Plan (RAP). Of note, the driver for the remediation excavation extending to as close to the boundary as practicable is chemical contamination, based on historical land uses (service station) along portions of the site boundary and previous detections of petroleum hydrocarbon compounds in soil along the boundary.
- Nation Partners has considered the potential for asbestos to be present in fill within the sliver between the sheet piles and the site boundary. The following assessment was provided by Nation Partners:
    - Per the RAP and RAP Addendum, the contaminants of concern within the location that the sheet piles were installed on site (Remediation Area A2), were chemical contaminants and not asbestos containing fill.
    - During the remediation works, Nation Partners was present on site monitoring and observing the excavation as it was taking place, and no asbestos containing fill was observed along the boundary of the site where the sheet piles were installed.
    - Validation sampling of the walls of the excavation in line with the modified approach took place, and no asbestos was detected in the validation samples.
    - As such, Nation Partners does not believe any additional soil sampling within the sliver is required.

4 Auditor's Consideration of Alternative Validation Approach

The Auditor acknowledges the limitations in the ability to both excavate fill/soil all the way to the property boundaries with Pacific Highway and Nelson Road, and to expose the wall of the boundary excavation for direct collection of validation soil samples as originally anticipated in the RAP.

The Auditor accepts the alternative validation soil sample collection methodology for the affected portions of the site boundary, subject to the following considerations:

- The Auditor understands that soil samples were collected from soil adhered to the "inside" (site-facing) side of the sheet piles. While the soil on the boundary-facing side of the sheet piles may have been slightly more representative of the material remaining in the walls of the excavation, given the corrugated nature of the sheet piles the fill/soil adhered to the "inside" corrugations is considered to be adequately representative of the same material, and it is unlikely that soil/fill quality would vary over that small spatial scale.
- Similar to the collection of soil samples from solid flight augers, soil adhered to sheet piles is subject to mechanical disturbance (such as smearing and mixing) during removal of the sheet piles. Hence, samples of this soil should be considered "disturbed" samples with respect to sample integrity and representativeness (i.e. it may be difficult to associate the samples with a specific soil/fill horizon). This should be conveyed in the validation report and considered with respect to interpretation of results.
- The Auditor supports Nation Partners' conclusion that there is a low risk of asbestos being present in fill within the sliver between the sheet piles and the site boundary.

5 Closure

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Should you have any queries or wish to discuss any points, please do not hesitate to contact Sarah Silver or the undersigned.

Yours sincerely,



Lange Jorstad

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16 April 2025

Gaya Prem kumar
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: Gaya.Premkumar@transport.nsw.gov.au

Dear Gaya,

Re: Interim Advice IA04-R: Consideration of Sections of ACM Pipework Retained within Project Boundary

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice (IA), the Auditor has been asked to provide advice on the implications to the Site Audit process of retaining short sections of pipework consisting of asbestos containing material (ACM) close to the site boundary where they are impractical to remove.

3 Summary of Retained ACM Pipework

The Auditor understands that ACM pipework (confirmed via laboratory analysis of samples from two locations) was encountered during the remediation program at various locations on site. The pipework was removed to the extent practicable, but short sections of the pipework in three boundary locations were considered to be impractical to remove due to various constraints (refer to Figure 1 attached). The locations and context of the three ACM pipework sections proposed to remain within the audit boundary are described below (based on details provided by Nation Partners):

- Locations 1 and 2, central eastern site boundary: the ACM pipes run beneath an approximately 1 m thick concrete slab, which would need to be removed in order to remove the ACM pipe to the audit boundary. Removing this slab would have structural/stability implications for the adjacent Frank Channon Walkway and would require temporary shoring

works such as a sheet piling system. The decision to retain these small sections of pipework was based on the following:

  - The effort required to remove these small sections of ACM pipework (and the risk posed to the integrity of offsite assets) is not commensurate with the risk.
  - Given that the pipework is installed in fill material beneath a 1 m thick concrete slab that will be retained to prevent damage to the adjacent footpath, there is a low likelihood of the ACM pipework being exposed/disturbed during future site works.
  - The presence of the pipework will be documented for future reference so it can be appropriately managed if required.

- Location 3, southern site boundary close to Mowbray House: the ACM pipework is located within fill material that extends below the 10 m Mowbray House curtilage (the buffer zone around Mowbray House within which civil works are not allowed to avoid damaging the heritage-listed structure). Remedial excavation (and removal of the pipework) in this area was progressed to the boundary of the curtilage area, but a structural engineer advised that extending earthworks into the curtilage area would pose an unacceptable risk to the integrity of Mowbray House. The decision to retain these small sections of pipework was based on the following:
  - The remaining ACM pipework within the audit boundary is within the Mowbray House curtilage area. This buffer around Mowbray House is unlikely to be disturbed during future development of the site as it would pose an unacceptable risk to the heritage listed structure.
  - The presence of the pipework will be documented for future reference so it can be appropriately managed if required.

4 Auditor's Consideration of Retaining Sections of ACM Pipework within the Audit Boundary

The Auditor acknowledges the limitations in the ability to remove the pipework all the way to the property boundaries in the three locations. It is considered that retaining these small sections of ACM pipework does not compromise the suitability of the site for future land uses, from a contamination perspective, for the following reasons:

- Each of the locations are unlikely to be disturbed or exposed during future development of the site, as it would pose a risk to the integrity of either adjacent offsite assets or to heritage-listed Mowbray House.
- The remaining pipework is intact, where it has not been disturbed, and therefore does not represent "contamination" in its current undisturbed state.
- The presence of the pipework will be documented for future reference so it can be appropriately managed in the unlikely chance that it is disturbed in the future.

5 Closure

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Should you have any queries or wish to discuss any points, please do not hesitate to contact Sarah Silver or the undersigned.

Yours sincerely,



Lange Jorstad

NSW EPA accredited Site Auditor (No. 1001)
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Figure 1. Locations of retained ACM pipework sections within the audit boundary (provided by Nation Partners).

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26 February 2025

Gaya Prem kumar
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Level 41, 680 George Street
Sydney NSW 2000

Via email: Gaya.Premkumar@transport.nsw.gov.au

Dear Gaya,

Re: Interim Advice 05: Suitability of Fill Material Located within the Mowbray House Curtilage

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice (IA), the Auditor has reviewed the following letter report:

- Nation Partners, 17 February 2025. Chatswood Metro Remediation – Mowbray House Curtilage Investigation (ref. NP23132 Curtilage Test Pits Tech Memo_Final_v1.2).

The purpose of this IA is to document the Auditor's consideration of the suitability of fill material, from a contamination perspective, to be retained beneath the concrete slab within the 10 m curtilage area around Mowbray House.

This version of the investigation report reflects revisions made in response to interim audit advice sent via email (L.Jorstad to R.Thomson, 7 February 2025).

3 Summary of Investigation

Mowbray House is a heritage-listed structure located in the south-eastern corner of the site. Due to its heritage status the structure must be retained and the integrity of the structure protected in perpetuity. To ensure compliance with this requirement, RMA and Sydney Metro

obtained advice from a structural engineer regarding the minimum offset from the structure within which ground disturbance activities could not proceed to avoid damaging the structure. The advice was to maintain a 10m exclusion zone, or curtilage, around the structure within which ground disturbing works could not be performed. The remedial excavation around the structure was limited to the curtilage boundary, and the fill material beneath the hardstand within the curtilage will be retained on site at the completion of remediation.

Accordingly, Nation Partners was engaged to perform a limited investigation of the fill quality to assess its suitability, from a contamination perspective, for the future land uses at the site (acknowledging that the area is unlikely to be disturbed during future development to protect Mowbray House). Nation Partners and RMA obtained advice from a structural engineer that intrusive investigations of limited scope could be safely performed within the curtilage.

The following scope of work was performed:

- Six test pits, including:
  - three long trench-style test pits (TP83, TP85, TP87)
  - three standard size test pits (TP84, TP86, TP88)
- four hand augered boreholes (TP82(HA), TP89-1(HA), TP89-2(HA), TP89-3(HA)), three of which (TP89 series) were a replacement for a trench-style test pit due to subsurface obstructions.
- The test pits, trenches, and boreholes were advanced to depths ranging from 0.7 to 2.5 m below ground level.
- A total of 27 soil samples were collected of which 16 were submitted for laboratory analysis of a range of fill-related analytes (metals, total recoverable hydrocarbons [TRH], benzene, toluene, ethylbenzene, xylenes [BTEX], polycyclic aromatic hydrocarbons [PAH], asbestos).

The investigation results were as follows:

- Fill material was encountered at all locations beneath the concrete slab (where present), to depths ranging from 0.4 to 1.2 mbgl, generally consisting of varying proportions of sand, gravel, silt and clay with occasional trace concrete and bitumen fragments. A discrete bitumen layer was logged in test pits TP86 and TP87.
- The fill material was underlain by a natural sand clay (orange) in all locations, which was consistent with the natural clay layer observed in remedial excavations across the site.
- The analytical results were below human health and ecological criteria in all samples with the following exceptions:
  - The benzo(a)pyrene toxicity equivalents (BaP TEQ) concentration in sample TP83_0.4 (8.7 mg/kg) exceeded the HIL A criterion (3 mg/kg).
  - The chromium concentration in TP84_0.35 (120 mg/kg) exceeded the hexavalent chromium HIL A criterion (100 mg/kg).
    - The standard chromium analytical results reported by the laboratory are total chromium, consisting of Cr(III) and Cr(VI). Given that there was no suspected source of hexavalent chromium at the site, and the Auditor independently confirmed that the 95% upper confidence limit of chromium is approximately 56 mg/kg, this HIL A exceedance is considered to represent a negligible risk.
  - The ecological investigation or screening levels were exceeded for the following analytes:
    - The BaP ESL (0.7 mg/kg) was exceeded in samples TP83_0.4, TP86_0.65 and TP89-3_0.6-0.7 (0.9 – 5.3 mg/kg).
    - The TRH F3 ESL (300 mg/kg) was exceeded in sample TP83_0.4 (330 mg/kg)

- In the absence of EIL derivation for the investigation, the Auditor screened the lab results against the minimum EIL values to conservatively evaluate the investigation results. This approach identified that the minimum nickel EIL (35 mg/kg) was exceeded in samples TP84_0.35 and TP85_0.3 (70 – 130 mg/kg) and the minimum zinc EIL (145 mg/kg) was exceeded in sample TP89-1_0.4-0.5 (160 mg/kg).

With respect to the reported criteria exceedances, Nation Partners provided the following lines of evidence to evaluate the significance of the exceedances:

- With respect to BaP, Nation Partners reported that the calculated 95% upper confidence limit (UCL) mean concentration was below the HIL A criterion, although at 8.7 mg/kg is greater than 250% of the criterion. Nation Partners also argued that the presence of bitumen and road base materials in test pits at the site suggest that the source of the BaP is asphalt, which has low mobility and low bioaccessibility in the environment.
- Nation Partners also argued more broadly that the fill material being assessed was beneath a thick concrete slab within the curtilage of a heritage-protected structure, and therefore the likelihood of the fill be disturbed or accessed during future redevelopment of the site was low. Hence, there is unlikely to be a direct exposure pathway to the fill, and the ecological values that are the subject of the ESL's and EIL's are unlikely to exist now or in the future in the context of the fill beneath the curtilage area.

4 Auditor's Consideration of Curtilage Investigation

The Auditor considers that the curtilage area investigation provided a reasonable characterisation of the fill material that is proposed to be retained on site beneath the concrete slab. Whilst minor exceedances of health-based and ecological criteria were reported, the multiple lines of evidence presented by Nation Partners indicate a reasonable argument that there is a low likelihood of the fill layer being disturbed or exposed during future redevelopment works (given the sensitivity of structure of Mowbray House to vibration within the curtilage area), and there are likely to be mitigating factors associated with the BaP-related exceedances given the potential association with asphalt and the limited bioaccessibility of BaP in this matrix.

The Auditor also notes that asbestos was not encountered during the investigation, which was a driver for remediation in other portions of the site. The Auditor does not consider this to be definitive evidence that asbestos is not present in fill material in the curtilage area, since the distribution is often random and heterogeneous and access during the investigation was limited, however for the same reasons outlined above there would be a low likelihood of exposure to asbestos in fill beneath the curtilage even if it was present.

5 Closure

This interim advice is intended to assist the Client in evaluating and managing contamination issues at the site. It does not constitute a Site Audit Statement (SAS) or a Site Audit Report (SAR). The information provided does not pre-empt the final conclusions of the audit. It reflects the Auditor's opinion based on the currently available information.

Should you have any queries or wish to discuss any points, please do not hesitate to contact the undersigned.

Yours sincerely,



Lange Jorstad

NSW EPA accredited Site Auditor (No. 1001)
Geosyntec Consultants Pty Ltd

Geosyntec consultants

engineers | scientists | innovators

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26 February 2025

Gaya Prem kumar
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: Gaya.Premkumar@transport.nsw.gov.au

Dear Gaya,

Re: Interim Advice 06: Review of Chatswood Metro Remediation – Groundwater Technical Memo

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice (IA), the Auditor has reviewed the following document related to land contamination assessment at the site:

- Nation Partners (7 February 2025) Chatswood Metro Remediation – Groundwater Technical Memo (Ref: NP23132_Groundwater Technical Memo_Final _v1.0)

The purpose of the current IA is to document Auditor findings following the review of existing information related to site conditions and contamination status. This advice also outlines any data gaps identified in the existing information which should be addressed by the appointed consultant as either part of any further investigation works, or as part of any remedial or validation works that may be required at the site.

3 Summary of Groundwater Investigation

Nation Partners (NP) stated that the objective of this investigation was to assess the potential for groundwater contamination associated with the eleven (11) underground storage tanks (USTs) encountered in the northwest corner of the site.

The scope of works included:

- Installation of a groundwater monitoring well within the footprint of the USTs. MW29 was installed to a depth of 16 m in natural clay. The well was constructed using 50 mm diameter PVC casings and well screens. A 6 m screen was installed.
- The well was developed using waterra tubing and an electric pump (purged of 10 well volumes). The well was sampled using a HydraSleeve. The sample was submitted to a NATA accredited laboratory for analysis of petroleum hydrocarbon compounds.
- Evaluation of the investigation results with respect to the proposed future land uses and the potential for offsite migration of contaminants in groundwater.

The following key observations were reported:

- The interface between fill and natural material was observed at 2 mbgl. A moderate to strong hydrocarbon odour was recorded.
- No olfactory or visual signs of contamination were observed in the discharge water during well development.
- The installation location was directly below UST5, and where the highest potential for groundwater contamination would exist due to historical releases from the USTs.
- The laboratory analytical results for the groundwater sample were all below the laboratory limit of reporting. Accordingly, Nation Partners considered there to be a negligible risk of offsite contaminant transport in groundwater associated with the historical USTs, and also a negligible vapour intrusion risk for the same reason.

Nation Partners considered that the potential risks associated with contaminated groundwater related to the USTs was low and recommended that the results did not indicate a requirement for further remediation.

4 Auditor's Comments

The Auditor has reviewed the Nation Partners (2025) Groundwater Technical Memo against relevant guidelines made or approved by NSW EPA. The Auditor provides the following comments:

1. Please confirm timing of the UST removal. The Auditor's assistant visited the site in early October to observe site conditions during the removal process.
2. Soil validation results for the site have not yet been reviewed by the Auditor to confirm the suitability of the tank pit remediation for the proposed land use.
3. Confirm the sampling and QA/QC procedures:
    a. were laboratory-prepared sampling containers used?
    b. Please discuss why a trip blank, field blank and rinsate blank were not collected.
    c. The sampling sheet refers to QC72, but results are not presented. Please confirm why a triplicate sample was not submitted to a secondary laboratory.
    d. The validation report will need to outline whether DQOs and DQIs have been met.
4. Please confirm the temperature reading of 31°C. Was the groundwater sample stored in an ice-cooled chest following collection?
5. While the rationale for the well installation location is understood, the letter should include a brief description of the previously assessed groundwater flow direction at

the site as evidence that the well reasonably represents groundwater quality downgradient of the tank ptis.

6. A copy of the calibration certificate for the water quality meter and PID should be provided.
7. The letter should state the analytical suite, confirm the former contents of the USTs., justifying why other potential contaminants of concern were not considered in this investigation (i.e. VOCs)?
8. Elevated PID readings were reported at the fill/natural interface, along with a moderate to strong hydrocarbon odour. Was this soil zone assessed as part of the validation program for the tank pit?
9. Given the historically elevated benzene concentrations reported at MW028 (understood to be now destroyed, formerly located just east of new well MW29, at the northern boundary), in the context of offsite migration of contaminants in groundwater, the final validation report for the site will need to include an overarching summary of groundwater conditions and a risk-based evaluation of any potential contaminants remaining during the most recent monitoring events (e.g. SPR considerations, MNA evidence).

5 Closure

This interim advice does not constitute a SAS or a SAR, but rather is provided to assist the Client in the assessment and management of contamination issues at the site. The information provided herein should not be considered pre-emptive of the final Audit conclusions. It represents the Auditor's opinion based on the review of currently available information.

Should you have any queries or wish to discuss any points, please do not hesitate to contact Sarah Silver or the undersigned.

Yours sincerely,



Lange Jorstad

NSW EPA accredited Site Auditor (No. 1001)
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6 November 2025

Gaya Prem Kumar
Sydney Metro
Level 41, 680 George Street
Sydney NSW 2000

Via email: gaya.premkumar@transport.nsw.gov.au

Dear Gaya,

Re: Interim Advice 07: Review of Nation Partners Draft Validation Report, Sydney Metro Chatswood Dive Site

1 Introduction

Sydney Metro has appointed Lange Jorstad of Geosyntec Consultants Pty Ltd (Geosyntec), a NSW EPA Auditor accredited (No. 1001) under the *Contaminated Land Management Act 1997* (CLM Act), to conduct an audit of land associated with the Sydney Metro Chatswood Dive site located at the intersection of Pacific Highway and Mowbray Road, Chatswood, NSW ("the site").

The aim of the engagement is to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared that confirms the suitability of the land for unrestricted land uses, in accordance with the NSW EPA (2017) *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*.

2 Current Interim Advice

In preparing this interim audit advice (IA), the Auditor has reviewed the following document related to land contamination assessment at the site:

- Nation Partners (24 October 2025) Chatswood Metro Dive Site - Remediation Validation Report (Ref: NP23132_ChatswoodMetro_Validation_Report_v1.0)

The purpose of the current IA is to document Auditor findings following the review of the draft validation report, outlining any data gaps identified which should be addressed by the appointed consultant.

It is acknowledged that some remediation, disposal and import works are still required which will be documented in a subsequent revision of the report.

3 Summary of Validation

Nation Partners (NP) stated that the objective of the work is to remediate the site, such that it is rendered suitable for low-density residential land use without restrictions to meet divestment requirements.

Remediation was achieved through the following phases of works:

- Site establishment, mobilisation of plant and equipment, installation of site facilities, and establishment of stabilised access points. Temporary construction services were installed, and redundant underground services were terminated or relocated where necessary.
- Removal of buildings and hardstand – all above ground infrastructure was removed except for Mowbray House. Due to heritage restrictions associated with Mowbray House, intrusive investigation could not be completed beneath the footprint of the building, which was therefore excised from the current audit boundary and not considered within this audit.
- Protection of offsite roads – sheet piling was installed along the north and northwest boundaries to provide structural support during deep excavation works and to protect the integrity of public assets adjacent to the property boundary. To accommodate the installation of the corrugated sheet piles, a sliver of residual fill material (~0.5 m thick) was retained between the sheet piling and the property boundary. Wall samples were collected to characterise the material on the outside of the sheet piles. Once removed, VENM was used to batter the excavated boundaries. Auditor advice was provided in IA03-R, dated 17 January 2025, supporting NPs conclusion that there is a low risk of asbestos being present in the fill within the sliver of soil.
- Removal of three Underground Storage Tanks (USTs) – USTs 4,5,6 (which had been decommissioned by filling with concrete at some point in the past) were excavated and removed in March 2024 (Tanks 5 and 6) and August 2024 (Tank 4). Additional USTs were identified during remediation works and managed under the unexpected finds protocol, outlined below.
- Excavation of the remediation areas included the following management approach:
    - In-situ classification of Area A1 and A2 identified four types of material:
        - Material 1 – Tunnel and Station Excavation (TSE) fill, comprising grey/red mottled stiff clay, reportedly derived from Sydney Metro tunnelling works. This fill material was imported to the site during establishment of the on-site facilities for the tunnel dive and drilling works and was placed on top of the existing hardstand and capped by a further concrete slab.
        - Material 2 – Historical fill, comprising sandy/clayey gravel with varying inclusions of construction waste including ACM fragments, found in Area A1, generally beneath the original slabs upon which the TSE fill was placed.
        - Material 3 – Historical fill, comprising sandy/clayey gravel with varying inclusions of construction waste excluding observed ACM fragments, found in Area A2, generally beneath the original slabs upon which the TSE fill was placed.
        - Material 4 – Natural clay, comprising moist light brown / orange clay with some sand, encountered across site beneath the fill materials.
    - The TSE fill was characterised and considered suitable for onsite stockpiling and reuse.
    - The original remedial strategy comprised excavation and offsite disposal of fill material previously identified to contain asbestos or other contaminants at concentrations exceeding the land use criteria. These intended excavation zones were delineated during the previous investigations, with fill material outside the excavation zones intended to be retained onsite.
    - Due to numerous discoveries of ACM in fill outside the identified remediation areas, further investigation was required following removal of hardstand and buried concrete slabs to address the risk of leaving ACM in fill.
    - In November 2024, due to the frequency of asbestos encountered in fill outside the original delineated excavation zones, the decision was made that all imported fill

material and subsurface infrastructure encountered would be excavated as far as practicable exposing underlying natural soils.

  - Due to access constraints, some fill material was retained on site, predominantly in a “wedge” along the eastern site boundary. This material supported a concrete slab, the removal of which would have damaged Council assets outside the of the site boundary. Accordingly, the retained fill was characterised via wall samples and determined to be suitable for the intended land uses.
  - Fill material was also retained beneath a 10 m buffer zone surrounding Mowbray House, referred to as the curtilage, which was the closest that bulk earthworks could advance towards the house without risking damage to the heritage structure. The fill material within this buffer zone was characterised via test pits and trenches advanced through the concrete slab. Minor HIL exceedances were identified but were considered to be acceptable due to supporting evidence from historical non-leachable results, the presence of asphalt or bituminous material within the fill, and the low likelihood of future disturbance.

- Stockpile management and material tracking – fill material was excavated and stockpiled (<100 m^3) and waste classification sampling and analysis performed. Nation Partners performed 49 waste classifications for the 100 m^3 stockpile requirement. NP (2025) stated that as asbestos was identified beyond the extent of the remediation scope as the program continued, the approach was modified from 100 m^3 ex-situ stockpiles to an in-situ waste classification approach.
- Validation sampling – base samples were collected at 1 per 100 m^2 and wall samples at 1 per 10 m linear metres. Following the change in the validation approach to removal all fill from site, a total of 190 base samples and 83 wall samples were collected.

- Unexpected finds:
  - ACM conduit was encountered and removed to the extent practicable up to the site boundary. Remnant “stubs” of the ACM conduit remained in fill in the eastern, western and southern boundary walls, including within the retained fill wedge on the eastern boundary. The location of the conduit stubs were surveyed to provide accurate coordinates to appropriately mange in the unlikely chance they are disturbed in the future. The pipes are not considered to represent a contamination risk in their undisturbed state, but will require appropriate management if future development extends beyond the current extent of retained fill.
  - UST Pit 1: A large UST pit comprising 6 USTs was encountered in the northwest corner of the site (within a previously audited portion of the site). The USTs and associated infrastructure were removed in September 2024, including an additional tank (UST11) identified during the decommissioning process. Remediation of the surrounding soils was completed via over-excavation of the tank pit.
  - UST Pit 2: A second UST pit containing four USTs was identified adjacent to UST Pit 1 (USTs 7-10). J120 oily water was removed from the tanks, and the tanks were removed on 4 July 2024.
  - Installation of MW029 was completed downgradient of the former UST Pit 1 to assess the potential for groundwater contamination from the USTs. The analytical results were below the laboratory limit of reporting (LOR), indicating a negligible risk to groundwater quality from the former USTs.
  - External driveway – Remediation and validation of the external driveway was completed across 4 stages in order to retain access to the site at all times. The remediation is nearing completion and validation results will be reported in a revision to the current report.

4 Review of Waste Classification, Waste Disposal and Imported Fill Information

The Validation Report states that NP performed 49 waste classifications for the 100 m^3 stockpiles. The Auditor progressively reviewed and provided comments in the form of interim advice on the waste classification reports throughout the remediation process. No further summary is included in this interim advice.

The following presents a summary of materials imported to the site:

1. 100 T of drainage aggregate (20 mm) for an internal road sourced from Peats Ridge. As this is a natural quarried material, validation was not required.
2. 2565 T of sandstone was imported for an internal road sourced from Newport and Maroota. As the material from Maroota is a natural quarried material, validation was not required. Further confirmation as to the Newport source is still required.
3. A volume of sandstone from Mona Vale was imported to the site. A review of the accompanying VENM report from Bright Environmental and NP is provided in the attached tables.
4. A volume of 20/70 mm quarry rock aggregate from Dunmore was imported to Area C of the site. As this is a natural quarried material, validation was not required.
5. A volume of shale (VENM) was imported to the site from Carlingford to be placed on the northern and western site boundary for structural integrity of the site hoarding. A review of the accompanying VENM report from ADE Consulting Group is provided in the attached tables.
6. 30 T of cement stabilised sand (CSS) was imported for the UST Pit 1 from Boral quarries and deposited against the hoarding batter in the UST pit. The CSS product is a mixture of natural quarried materials and validation was therefore not required.

5 Auditor Comments

The Auditor has reviewed the Nation Partner's draft validation report with reference to the relevant guidelines made or approved by NSW EPA and provides the following comments:

1. Table 2.1:
    a. Please update the table as the site only includes part Lot 2 of DP221896. Mowbray house, Frank Channon Walk and the northeast corner (adjacent to Nelson St) of this lot have been excised from the audit boundary.
2. Section 5.1.4:
    a. Was SafeWork NSW was notified about the removal of the USTs?
    b. Has Council been provided with a decommissioning report(s)?
3. Section 5.1.7: Please provide a brief discussion of the status of the ~45 m^2 area at the former entrance to Bryson St within Lot 2 DP 1223080 at the central west boundary. Asphalt and fill look to remain and no validation or characterisation samples were obtained from this area. Please consider how the suitability of this piece of land can be addressed.
4. Section 5.2 Staging of Remediation works:
    a. Please provide a discussion of risk to the CSM with the failure to protect and the subsequent destruction of the monitoring wells as was a requirement within the RAP.
    b. While recognised that the building demolition was completed under a separate contract and assumed to be reported separately, has a request been sent out to determine whether the hazardous building material investigation and removal results can be procured and confirmed?

5. Section 5.4: Please note that our comments on Materials management are limited noting that additional dockets are still required (we noted that some may be missing) to confirm total volumes classified and disposed.
    a. Please confirm the meaning of the highlighting in the tracking document (Appendix H) – are these awaiting final dockets to confirm?
    b. Section 5.4.2: Were any stockpiles placed on previously excavated and validated (i.e. natural) surfaces? If yes, were the stockpile footprints validated as required in the RAP?
    c. Section 5.4.5:
        i. Some gaps are noted in the disposal tracking sheets. Have these been resolved?
        ii. Please comment on volume discrepancy - the validation report states the volume for SP043 is 20 m^3 but the recorded weight disposed is 145.3 tonnes.
    d. Section 5.4.6: Table 5.5 should state the volumes imported for all imported products.
6. Section 6.2:
    a. Table 6.1 and Figure 7 present exceedances of the ESL and HIL criteria for BaP and F3 at the southern boundary. Table 6.1 states that the ecological exceedances do not preclude the land use suitability as it is expected boundary site soils will not be used as a growing medium for landscaping, and the human health exceedance at V242 is likely associated with residual asphalt in fill along the boundary. Can NP provide a statistical argument to further support these conclusions?
    b. Please direct us to the discussion or letter cataloguing the excavation and validation works in the former substation area east of the driveway, completed in December 2024. We would like to review NPs approach and the decision process upon identification of the fill around the water main that is to remain. To what depth was the material excavated and at what depth is the water main and remaining fill?
    c. The unexpected finds UST removal records are provided in Appendix G and a summary of works in Table 5.1:
        i. While the table states that remediation was guided by validation sampling, where are the results presented?
        ii. Please provide discussion of olfactory observations during related works. A comment on aesthetic conditions at the site is required.
        iii. Confirm whether the removal of the tanks was completed in accordance with NSW EPA and Safework NSW guidance for decommissioning of UPSS.
7. Section 6.3, Table 6.2:
    a. Please discuss the risks remaining within the concrete wedge on the eastern portion of the site. What is the approximate footprint (m^2). Will there be any limitations to construction in this area of the site?
    b. Mowbray House has been excised from the audit and should be stated in this table as such. Fill remains within the curtilage and not just beneath the house as suggested in Column A (Source). Reference to the Mowbray House investigation letter and the Auditor IA would benefit this table.
8. Section 7: The DQOs for the validation program should be presented and discussed as to whether they've been met.
9. Section 7.1: The soil sampling devices/methodology is not stated. Please include in this table.
10. Section 8: The refined CSM states that the presence of geofabric covering the exposed faces has reduced the risk of asbestos becoming airborne in the Mowbray House exclusion zone. Provide further details as to the location and extent of the geofabric as discussion of

ACM fragments in the SW wall is the only other place where placement of geofabric is mentioned. Is this a permanent solution?

11. Section 9.2:
    a. First bullet: Please ensure the site boundary is consistent across all figures. A survey must be provided with a schedule of coordinates as the boundary is not fully defined by cadastral boundaries (i.e. it is a “part lot”) and the exclusion zone for Mowbray house needs to be accurately defined. The survey should also provide the coordinates of the ACM pipe locations in walls, and any other labelled features/infrastructure retained within the remediation boundaries (e.g. sewer manhole, footings, etc). This survey will be attached to the SAS.
12. Figures:
    a. Figure 1: Given that Mowbray House was excluded from “the site” for investigation, remediation and audit purposes, please indicate the MH exclusion boundary and label it as such in the legend.
    b. Figure 2 presents residual fill and infrastructure and that the red shaded areas of the driveway and wedge are to be removed. The red shaded area isn’t presented in the legend. What is the status of these areas?
    c. Figure 8:
        i. It is assumed that the red shaded area represents fill to be removed before completion of the project, and that this figure will be updated accordingly in the final validation report. Please advise if this is not correct.
        ii. Please include a discussion or statement in the validation report regarding to the other remaining features/assets such as footings, manhole etc. shown on this figure.
    d. Figure 9:
        i. Consider including a dashed line showing the offsite extent of the Area B remediation footprint.
        ii. Also, given that the “red shading” convention has been used in other figures to represent where remediation is still in progress, perhaps remove the red shading and just use the boundary line to demonstrate where Area B was.
    e. A figure presenting the final Site Audit boundary has not been provided with the package presented with the validation report. Please ensure this figure addresses the requirements in Comment 9a above.
13. Table A:
    a. The table presents asbestos presence or absence. For characterisation of material for site suitability, NEPM results are required. Please update the tables with the appropriate results.
    b. Can the table be updated to indicate whether the sample is a base or wall sample?
14. Table B: please indicate whether the QAQC samples are intra- or inter-laboratory samples.
15. Appendix C: The groundwater technical memo (with MW029 results) is not provided with the validation documentation. Please provide so we can cross check the updates as mentioned in the bottom paragraph of Section 6.5.
16. Asbestos related works were conducted by suitably licensed asbestos contractors. The Clearance certificates provided in Appendix K are primarily for the equipment. Please list what areas the certificates apply to.
17. Appendix J Imported material:
    a. Table 5.5 refers to material imported from Newport and Maroota. The accompanying Appendix folder provides a VENM inspection document for Maroota only but the import

tracking sheet includes both sites. Please provide the inspection document for the Newport VENM.

b. We acknowledge that the accompanying reports for the Mona Vale VENM was provided Monday 27 October and has been considered in our review. Final documentation is to be provided in the revised validation report.

c. Please confirm whether only 92.2 t was imported from Dunmore?

d. ADE's VENM classification states that the fill at Carlingford was to be removed from site prior to excavation and export of the VENM:

   i. Please confirm the status of the site at the time that importing was completed (i.e. depth of their excavation). In the images provided, it looks like fill was still present and the material stockpiled in the foreground of the image looks different to the photos in the assessment. We understand that this might be due to the VENM being sourced from a greater depth at Carlingford as excavations have likely progressed since the sampling was completed.

   ii. Please state what inspection or validation works were completed upon importation to site.

e. Table 5.5 refers to CSS from North Ryde; however, dockets refer to material sourced at Boral's Peats Ridge and Emu Plains sites. Please confirm.

We request that Nation Partners provide responses to the above comments, together with an amended copy of the Validation Report.

6 Closure

This interim advice does not constitute a SAS or a SAR, but rather is provided to assist the Client in the assessment and management of contamination issues at the site. The information provided herein should not be considered pre-emptive of the final Audit conclusions. It represents the Auditor's opinion based on the review of currently available information.

Should you have any queries or wish to discuss any points, please do not hesitate to contact Sarah Silver or the undersigned.

Yours sincerely,

Lange Jorstad
NSW EPA accredited Site Auditor (No. 1001)
Geosyntec Consultants Pty Ltd

Attachments: Attachment A - Tables

Attachment A – Tables

Table A: Review of Imported Material Documentation

Document	Location of the Site Where Waste was Generated, Address of Site, Lot & DP	Site History & Potentially Contaminating Activities	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment/ Compliance
Certification: Virgin Excavated Natural Material Bright Environmental 7-8 Coronation St, Mona Vale NSW Ref: BE20250516-A	Lot 34 and 35 DP25446	2 residential properties since the 1960s.	Residual soil and sandstone at 0.5 – 0.6 m depth across the site.	3,825 m^3 within 850 m^2 area.	5 samples from test pits after removal of the fill layer.	Not stated.	EC, heavy metals, pH	Heavy metal concentrations considered indicative of background. No asbestos observed or detected in the fill layer. pH was between 5.8 and 6.7.	VENM	While testing is limited, the material classification is appropriate.
VENM Site Visit Diary Nation Partners Ref: NP23132	7-8 Coronation Street, Mona Vale NSW	Nothing stated	Silty SAND, fine grained, dark grey and brown, with trace of fine grained, sub - rounded and sub - angular gravels	-	4 primary samples	Samples collected from different locations within a large stockpile situated in the centre of the site	Asbestos, BTEX, TRH, metals, PAH	Await interpretation in next revision		The limitations of the assessment are accepted as it is intended to be reviewed in conjunction with the Bright Environmental VENM report
ADE Consulting Group 6 February 2024 Materials Analysis & Classification Report Ref: MAC1.v1f	263, 265, 267, 269, 271, 273, 277 to 281 Pennant Hills Road, Carlingford, NSW	A DSI is referred to which included intrusive soil and groundwater investigation. A RAP was prepared for remediation of asbestos contaminated fill and a heavy metal hotspot.	Natural clay and sandy clay within the proposed excavation areas. No visual or olfactory signs of contamination were noted within natural materials inspected at the site.	Basement Excavations: Building E&F: ~27,250 m^3 Building A, B, C, and G: ~202,500 m^3 Building D: ~22,240 m^3 Proposed Borrow Pit: ~9,740 m^3	30 VENM samples analysed from 70 test pit locations	Samples were collected with the assistance of an excavator and using dedicated nitrile gloves. All samples requiring chemical analysis were placed in glass jars with Teflon lined lids	Metals, TRH, PAH, BTEX, OCP, OPP, PCB	Analyte concentrations considered to be background. Asbestos was observed in the fill which extended to 0.5 m. Natural materials beneath considered to be VENM.	VENM	Appropriate noting that the classification was limited to the insitu virgin soil and that all fill was to be removed prior to excavation and export of the VENM.

Item	Section and Paragrah Ref.	Auditor Comment (5/11/25)	NP Response (28/11/25)	Auditor Comments and Response (3/12/2025)	Nation Partners Response (5/12/25)	Auditor Response (9/12/25)	Nation Partners Response (9/12/25)2	Auditor Response (9/12/25)3
1	Table 2.1 a	Please update the table as the site only includes part Lot 2 of DP221896. Mowbray house, Frank Channon Walk and the northeast corner (adjacent to Nelson St) of this lot have been excised from the audit boundary.	Table updated to reflect part of Lot 2 of DP221896.	Addressed				
2	5.1.4	Was SafeWork NSW was notified about the removal of the USTs?	According to Section 6.2 of the NSW EPA UPSS guidelines SafeWork NSW notification is only required for an abandoned UPSS. As the UPSS were removed and remediated notification was not provided. It is noted that SafeWork NSW was notified in relation to asbestos works (see Section 5.1.1).	accepted but please consider Section 5.1.1 states that notification of UST removal was provided through State Significant Development Pre-Construction Minor Works Approval Form4 submitted for the works. Please clarify whether there is a determined SSD that applies to the site, and if so, whether the audit remains non-statutory.	Per email correspondence from Sydney Metro on 4/12/25, the site audit is considered non-statutory as the remediation works are not linked to the construction nor operation of the Sydney Metro rail line.			
2b		Has Council been provided with a decommissioning report(s)?	The validation report is considered to be the decommissioning report for the UPSS at the site, as it includes relevant details for assessing contamination risks. Section 5.1.1 of the report has been updated to recommend that Sydney Metro provide the Validation Report to Council to satisfy notification requirements.	accepted.				
3	5.1.7	Please provide a brief discussion of the status of the ~45 m2 area at the former entrance to Bryson St within Lot 2 DP 1223080 at the central west boundary. Asphalt and fill look to remain and no validation or characterisation samples were obtained from this area. Please consider how the suitability of this piece of land can be addressed.	Discussion of retained portion of site added to Table 6.2.	will be discussed in the SAR.				
4a	5.2	Please provide a discussion of risk to the CSM with the failure to protect and the subsequent destruction of the monitoring wells as was a requirement within the RAP.	Discussion added to the relevant dot point in this section.	accepted				
4b	5.2	While recognised that the building demolition was completed under a separate contract and assumed to be reported separately, has a request been sent out to determine whether the hazardous building material investigation and removal results can be procured and confirmed?	Sydney Metro Project Manager Gaya Prem Kumar undertook a search of Sydney Metro's internal database and Teambinder and was unable to produce records relating to the demolition of buildings on the surface of the Chatswood Metro Dive Site. Text has been added to this dot point in section 5.2.	will be discussed in the SAR.				
5	5.4	Please note that our comments on Materials management are limited noting that additional dockets are still required (we noted that some may be missing) to confirm total volumes classified and disposed.	Noted. Updated tracking register and waste dockets now provided in Appendices H and I.	addressed				
5a	5.4	Please confirm the meaning of the highlighting in the tracking document (Appendix H) – are these awaiting final dockets to confirm?	The highlighting in the preliminary draft version was related RMA's internal checks and is no longer present in the updated version provided with this report revision.	addressed				
5b	5.4.2	Were any stockpiles placed on previously excavated and validated (i.e. natural) surfaces? If yes, were the stockpile footprints validated as required in the RAP?	Any stockpiles placed on excavated material underwent re-validation after the stockpile's removal. This was the case with the final material movements up to 21 November 2025, after which Nation Partners undertook revalidation to ensure that contaminated material was not left on site. Section 6.1 has been updated to reflect this.	Where were these validation samples collected? The material tracker ends on 17 November. Was material removed after this date?	Samples V371-373 were collected on 18 November 2025 from areas where stockpiles of material had been placed near the Mowbray House curtilage area - sample locations are shown on Figure 6. The reference to final material movements on 21 November referred to movement of imported material around the site. No material was removed after 17 November. Dates in Section 6.1 have been amended. See also clarification below about whether V372 was floor or wall.	accepted		
5c.i	5.4.5	Some gaps are noted in the disposal tracking sheets. Have these been resolved?	Updated tracking register and waste dockets now provided in Appendices H and I.	-				
5c.ii	5.4.5	Please comment on volume discrepancy - the validation report states the volume for SP043 is 20 m3 but the recorded weight disposed is 145.3 tonnes.	Validation report updated, correct estimated volume was 78m3 (as reported in the waste classification letter for SP043).	accepted				
5d	5.4.6	Table 5.5 should state the volumes imported for all imported products.	Total volumes of imported materials added to Table 5.5.	accepted				

6a	6.2	Table 6.1 and Figure 7 present exceedances of the ESL and HIL criteria for BaP and F3 at the southern boundary. Table 6.1 states that the ecological exceedances do not preclude the land use suitability as it is expected boundary site soils will not be used as a growing medium for landscaping, and the human health exceedance at V242 is likely associated with residual asphalt in fill along the boundary. Can NP provide a statistical argument to further support these conclusions?	Added Section 6.2.1, 'Statistical investigation of BaP and F3 exceedances'.	accepted		
6b		Please direct us to the discussion or letter cataloguing the excavation and validation works in the former substation area east of the driveway, completed in December 2024. We would like to review NPs approach and the decision process upon identification of the fill around the water main that is to remain. To what depth was the material excavated and at what depth is the water main and remaining fill?	Added section to Table 5.1, 'Former substation footprint excavation', to add a brief discussion to the retention of fill material to protect infrastructure within the footprint.	ok. Survey must show coordinates		
6c.i		The unexpected finds UST removal records are provided in Appendix G and a summary of works in Table 5.1: i. While the table states that remediation was guided by validation sampling, where are the results presented?	Added Section 6.6 'Sampling of UST farm excavation' to discuss the results of the validation sampling that guided the excavation of the UST farms.	accepted		
6c.ii		ii. Please provide discussion of olfactory observations during related works. A comment on aesthetic conditions at the site is required.	Updates added to UST Farm 1 and 2 sections in Table 5.1.	accepted		
6c.iii		iii. Confirm whether the removal of the tanks was completed in accordance with NSW EPA and Safework NSW guidance for decommissioning of UPSS.	According to RMA, all UST removal works were completed in accordance with As 4976-2008 The Removal and Disposal of Underground Petroleum Storage Tanks for decommissioning of UPSS, as stated in RMA's Destruction Certificate Information. Text has been added to Section 5.1.4.	accepted		
7a	6.3, Table 6.2	Please discuss the risks remaining within the concrete wedge on the eastern portion of the site. What is the approximate footprint (m2). Will there be any limitations to construction in this area of the site?	First row of Table 6.3 (previously Table 6.2) has been updated to include approximate dimensions of the slab, and potential construction risks.	accepted		
7b		Mowbray House has been excised from the audit and should be stated in this table as such. Fill remains within the curtilage and not just beneath the house as suggested in Column A (Source). Reference to the Mowbray House investigation letter and the Auditor IA would benefit this table.	Table 6.3 updated to include Mowbray House exclusion from audit boundary, additional fill material locations and reference to Mowbray House investigation letter and IA05 to relevant section.	accepted		
8	7	The DQOs for the validation program should be presented and discussed as to whether they've been met.	New section 7.4 has been added.	accepted		
9	7.1	The soil sampling devices/methodology is not stated. Please include in this table.	Soil and groundwater sampling methodology added to Field Protocols in Section 7.1.	accepted		
10	8	The refined CSM states that the presence of geofabric covering the exposed faces has reduced the risk of asbestos becoming airborne in the Mowbray House exclusion zone. Provide further details as to the location and extent of the geofabric as discussion of ACM fragments in the SW wall is the only other place where placement of geofabric is mentioned. Is this a permanent	Updated assessment/rationale for soil impacted by asbestos in Table 8.1 to delineate between site boundary and Mowbray House curitlage fill; added Section 5.1.6 where discussion of erosion control measures (such as geofab) is employed.	accepted		
11	9.2	First bullet: Please ensure the site boundary is consistent across all figures. A survey must be provided with a schedule of coordinates as the boundary is not fully defined by cadastral boundaries (i.e. it is a "part lot") and the exclusion zone for Mowbray house needs to be accurately defined. The survey should also provide the coordinates of the ACM pipe locations in walls, and any other labelled features/infrastructure retained within the remediation boundaries (e.g. sewer manhole, footings, etc). This survey will be attached to the SAS.	Created Figure 10 to include coordinate boundaries for the site, Mowbray House and the Curtilage, and retained infrastructure.	Please include coordinates of the ACM pipe locations in walls, and any other labelled features/infrastructure retained within the remediation boundaries (e.g. sewer manhole, footings, etc) - i.e. the features on Figure 8	Figure 11 prepared - provided on 3/12/25	accepted

12a	Figures	Figure 1: Given that Mowbray House was excluded from "the site" for investigation, remediation and audit purposes, please indicate the MH exclusion boundary and label it as such in the legend.	Added to Figure 1.	Minor comment: Should the site boundary be above the curtilage shape file? So the boundary is red shows across the site.	Figure to be updated in final report	await updated Figure 1 in final
12b		Figure 2 presents residual fill and infrastructure and that the red shaded areas of the driveway and wedge are to be removed. The red shaded area isn't presented in the legend. What is the status of these areas?	Assuming that this comment refers to Figure 8 not Figure 2, the red shaded areas refer to areas that at the time of writing had not yet been remediated, and the highlighting was to denote for real-time purposes that these sections were due to be removed. Subsequent drafts and the final version of the report do not/will not include these features.	see other comments on Figure 8 - requires an update		
12c.i		Figure 8: i. It is assumed that the red shaded area represents fill to be removed before completion of the project, and that this figure will be updated accordingly in the final validation report. Please advise if this is not correct.	The red shaded areas refer to areas that at the time of writing had not yet been remediated, and the highlighting was to denote for real-time purposes that these sections were due to be removed. Subsequent drafts and the final version of the report do not/will not include these features.	see other comments on Figure 8 - requires an update		
12c.ii		ii. Please include a discussion or statement in the validation report regarding to the other remaining features/assets such as footings, manhole etc. shown on this figure.	Additional areas of fill and infrastructure added to Table 6.2.	accepted		
12d.i		Figure 9: i. Consider including a dashed line showing the offsite extent of the Area B remediation footprint.	Added dashed line for offsite extent of Area B to Figure 9.	accepted		
12d.ii		ii. Also, given that the "red shading" convention has been used in other figures to represent where remediation is still in progress, perhaps remove the red shading and just use the boundary line to demonstrate where Area B was.	Removed orange shading from Area B in Figure 9.	accepted		
12e		A figure presenting the final Site Audit boundary has not been provided with the package presented with the validation report. Please ensure this figure addresses the requirements in Comment 9a above.	Final Audit Boundary has been provided in Figure 1, however an additional Figure 10 has been added that includes the X and Y coordinates of each point for the site boundary, Mowbray House and the Curtilage, as well as retained infrastructure on site.	Fig 10 requires coordinates of features which remain.	Figure 11 prepared - provided on 3/12/25	accepted
13a	Table A	The table presents asbestos presence or absence. For characterisation of material for site suitability, NEPM results are required. Please update the tables with the appropriate results.	Clarification of the validation approach for asbestos included in Section 5.1.8 as a footnote against asbestos analysis. Section 6.8 'Additional asbestos sampling of residual fill' also added. These results have been added to the validation sample results table, denoted by the suffix '_A' after the standard validation sample nomenclature.	accepted		
13b		Can the table be updated to indicate whether the sample is a base or wall sample?	Column added to delineate wall and floor validation samples in Table A.	accepted		
14	Table B	Please indicate whether the QAQC samples are intra- or inter-laboratory samples.	Column added to delineate between intra-laboratory and inter-laboratory QC samples in Table B and C.	accepted		
15	Appendix C	The groundwater technical memo (with MW029 results) is not provided with the validation documentation. Please provide so we can cross check the updates as mentioned in the bottom paragraph of Section 6.5.	Updated groundwater letter included as Item 15 in Appendix C.	accepted		
16		Asbestos related works were conducted by suitably licensed asbestos contractors. The Clearance certificates provided in Appendix K are primarily for the equipment. Please list what areas the certificates apply to.	Detail on the areas that the clearance certificates apply to is shown on the certificates and has now been included in Section 4.5.7 of the report. An additional clearance inspection was also undertaken on 28 November 2025 and has now been included.	Accepted, noting its Section 5.4.7.		
17a	Appendix J	Table 5.5 refers to material imported from Newport and Maroota. The accompanying Appendix folder provides a VENM inspection document for Maroota only but the import tracking sheet includes both sites. Please provide the inspection document for the Newport VENM.	Added VENM report from Bright Environmental and inspection report from Nation Partners to Appendix J.	accepted		
17b		We acknowledge that the accompanying reports for the Mona Vale VENM was provided Monday 27 October and has been considered in our review. Final documentation is to be provided in the revised validation report.	Included Mona Vale report and associated analytical results in Appendix J.	accepted		
17c		Please confirm whether only 92.2 t was imported from Dunmore?	Correct, Table 5.5 in report text has been updated.	accepted		

17d.i	ADE's VENM classification states that the fill at Carlingford was to be removed from site prior to excavation and export of the VENM: i. Please confirm the status of the site at the time that importing was completed (i.e. depth of their excavation). In the images provided, it looks like fill was still present and the material stockpiled in the foreground of the image looks different to the photos in the assessment. We understand that this might be due to the VENM being sourced from a greater depth at Carlingford as excavations have likely progressed since the sampling was completed.	Excavation depths at the site ranged from approximately 1-2m to greater than 8m depth. The variable appearance of material in the photographs is due to excavations having progressed through clay VENM into underlying siltstone and shale, which were present from approximately 4.5m depth at the site.	accepted			
17d.ii	ii. Please state what inspection or validation works were completed upon importation to site.	Material was inspected upon tipping of each load to assess for the presence of potential fill, anthropogenic materials, or evidence of contamination. The inspection also assessed whether the material was similar to that observed at the source site. This information has been added to Section 5.4.6.	accepted			
17e	Table 5.5 refers to CSS from North Ryde; however, dockets refer to material sourced at Boral's Peats Ridge and Emu Plains sites. Please confirm.	Table 5.5 has been updated, CSS was sourced from Emu Plains only. The reference to North Ryde was Boral's corporate address. DGB was sourced from Peats Ridge.	ok			
Additional Auditor Comments on V2						
18				Figure 9 - Please update the legend to indicate whether features are offsite. The service trench (blue shading) should be added to the figure	Figure 9 updated	accepted
19				Figure 10 - Please include coordinates of the features that remaining	Figure 11 prepared - provided on 3/12/25	accepted
20				Figure 8 - please indicate where the cable is located. report states that "fill material along the southern boundary was limited due to the presence of an Ausgrid high voltage distribution cable running parallel to the site boundary beneath the external public footpath"	Figure 8 updated	accepted noting more dockets still remain
21				The report should include a detailed section of the required validation process for the driveway. Table 5.2 provides an overview of the timeline but further detail required as there is no corresponding memorandum. The report should provide a better description of the staging. Noting that the report refers to 4 driveway stages, but a "Stage 1" for the DGI is also referenced. Do these correlate?	The driveway staging nomenclature was as adopted by RMA. Stage 1 of the DGI is unrelated to Stage 1 of the driveway remediation works. Section 6.9 has been added to provide further detail.	accepted
22				Where on figure 8 is fill material along the southern boundary was limited due to the presence of an Ausgrid high voltage distribution cable running parallel to the site boundary beneath the external public footpath?	Figure 8 updated	accepted
23				Review of the waste tracking register shows that a considerable volume of waste was removed from the driveway between May to September 2025, and in November 2025. The WC report for the driveway estimated 5 m3 of GSW-A. Please discuss the discrepancy between volume classified and volume removed as per the tracker.	As now explained in new Section 6.9, material from the driveway was pre-classified as part of insitu classified 'Fill Area 1' and the External Driveway In-situ Waste Classification, which account for the volume of material removed. The External Driveway In-situ Waste Classification was accidentally omitted from previous report versions.	update acceptable and clearer as to staging process.
24				or, is the discrepancy due to the removal of previously imported VENM, used to construct the internal road to enable removal of concrete and fill from existing driveway?	N/A	-
25				Waste from the shared path was removed between 9 -14 October as per the tracker. If this material was onsite, please provide the associated waste classification document.	Shared path material was offsite and is not part of the remediation/validation works.	ok
26				Please confirm the extent of Area 1 in which material was disposed offsite in November 2025 and the corresponding waste class document.	This refers to 'Fill Area 1', which was pre-classified as GSW-A in October 2024. Details of the extent of material classified are included in the letter in Appendix C7.	accepted

27	Some waste dockets from 16-29 April 2024 taken to Erskine Park landfall could not be located in the appendices documents provided.	These relate to Lantrak transported loads. In April 2024 Lantrak was migrating their IT system and some dockets were lost. RMA is in the process of receiving a consolidated batch of all dockets for this period from Erskine Park Landfill. Erskine Park Landfill require authority from Lantrak to do this for which RMA has requested. Some dockets received and provided, remainder will be provided	accepted noting more dockets still remain
28	Please include a clearer description of how the Staging of works are defined. There are 4 driveway stages but a Stage 1 is also referred to for the DGI.	See response to comment 21 above.	-
29	Figure 6 shows V371 as a floor sample but it is stated to be a wall sample in the tables. Where is floor sample V372?	V371 is a floor sample, and Table A has been updated to reflect this. V372 is on Fig 6 near V161, NW of corner of MH curtilage.	accepted
30	Please confirm the following with respect to material tracking and disposal: - please confirm that the transporter was licensed to remove asbestos waste. - provide EPL number for the transporter and facilities. Who transported the GSW? GSW-	Information added to Section 5.4.5	provided
31	Source location of materials disposed offsite between 30/07/2024 and 6/8/2024 not indicated (~1040 T).	This was GSW-A classified insitu from Fill Area 1	
32	Please define AOUH, HBA in tracker sheet	Area Of Uncertainty H Block / H Block (all of these loads fall under the umbrella of – Area of Uncertainty) so can be read as Area of Uncertainty (Fill Area 2)	ok
33	Please expand the discussion within Section 5.4.4 to discuss material reconciliation: material classified as GSW (or GSW-A) vs. volume disposed to determine whether the material was appropriately tracked. Not all stockpiles are listed in material tracking document. Please confirm their fate.	Table 5.4 footnote 2 states, "At the conclusion of stockpile waste classification, stockpiles were combined by waste type for loadout purposes and as such the weight of each stockpile was not specifically recorded." This meant that stockpiles were not specificially listed in waste tracking information. Section 5.4.4 as been updated to tally the volumes classified vs the tonnages tracked, to show that the material was appropriately tracked.	Discrepancy in volumes is within standard error range of estimation, plus change (increase) in remedial fill excavation scope. Accepted.
34	Please indicate where the waste docket for fluid wastes from USTs is located.	Liquid waste dockets will be included in Appendix I	ok

Appendix C Result Summary Tables

Appendix D
Table D1
Option 1 - Historical Soil Results

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999											
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																	
SE1	2-2.4	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		1654	85	1738	-	-	-	-	-
SE1	2-2.4	3/08/1995	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		1002	49	1051	-	-	-	-	-
SE4	0-0.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		<1	<1	<1	-	-	-	-	-
SE5	3.2-3.7	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		1157	34	1191	-	-	-	-	-
SE6	0.2-0.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		2552	183	2736	-	-	-	-	-
SE6	0.5-1	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		7281	689	7969	-	-	-	-	-
SE6	1.3-1.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		5632	666	6298	-	-	-	-	-
SE7	0.2-0.4	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		10,105	648	10,754	-	-	-	-	-
SS01		16/05/1996	Normal	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SS03		16/05/1996	Normal	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SS08		16/05/1996	Normal	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SS15		16/05/1996	Normal	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SS16		16/05/1996	Normal	-	-	-	-	9	-	-	1	-	0.8	-	-	-	-	-	-	-	-	-	-	-	35		83		-	-	-	-	-	-	-	-	-	-
SS17		16/05/1996	Normal	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH1	0.5	20/04/1998	Normal	1	<1	95	<1	15	0.1	7	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH1	1.5	20/04/1998	Normal	7	<1	86	3	22	<0.1	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH2	0.5	20/04/1998	Normal	5	<1	93	1	8	<0.1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH3	0.5	20/04/1998	Normal	<1	<1	105	<1	12	<0.1	4	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH3	2.35	20/04/1998	Normal	3	<1	59	1	8	0.5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH4	0.5	20/04/1998	Normal	2	<1	94	1	13	<0.1	6	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH5	0.5	20/04/1998	Normal	21	<1	6	4	3	0.1	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
BH6	0.5	20/04/1998	Normal	1	1	22	20	61	<0.1	12	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH7	0.5	20/04/1998	Normal	7	<1	95	1	14	<0.1	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH8	0.5	20/04/1998	Normal	4	<1	72	1	10	<0.1	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH9	0.5	20/04/1998	Normal	5	<1	47	8	68	0.2	8	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH10	0.5	20/04/1998	Normal	10	<1	59	17	23	<0.1	7	473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH11	0.5	20/04/1998	Normal	5	<1	29	10	32	<0.1	6	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH12	0.5	20/04/1998	Normal	<1	<1	30	5	17	<0.1	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH13	0.35	20/04/1998	Normal	1	<1	5	11	8	<0.1	12	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH13	0.5	20/04/1998	Normal	<1	<1	88	<1	12	<0.1	5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH13	2.35	20/04/1998	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH14	0.5	20/04/1998	Normal	23	1	28	4	17	0.1	5	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH15	0.5	20/04/1998	Normal	4	<1	32	9	36	0.1	3	78	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH16	0.5	20/04/1998	Normal	8	<1	75	<1	14	<0.1	6	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH17	0.5	20/04/1998	Normal	7	<1	87	<1	11	<0.1	3	1	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH18	0.5	20/04/1998	Normal	2	<1	33	9	55	0.1	12	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH19	1.5	20/04/1998	Normal	5	<1	26	21	42	<0.1	8	46	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		542	373	915	-	-	-	-	-
BH19	4.3	20/04/1998	Normal	3	1	22	3	6	<0.1	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH21	0.5	20/04/1998	Normal	4	<1	34	18	36	<0.1	7	129	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		109		10.6	535	654.6	<0.5	<0.5	<0.5	<0.5	<0.5
BH21	1.8	20/04/1998	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		66		6570	325	6961	-	-	-	-	-
BH21	2.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		1870	<50	1870	-	-	-	-	-
BH22	0.5	20/04/1998	Normal	4	1	43	232	472	0.8	9	529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	<0.5	<0.5	<0.5	0.7	1
BH23	0.5	20/04/1998	Normal	2	<1	25	2	51	<0.1	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
BH23	1.5	20/04/1998	Normal	6	<1	48	<1	10	<0.1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH23 (DUP)	1.5	20/04/1998	Field_D	4	<1	55	1	16	<0.1	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24	0.5	20/04/1998	Normal	3	<1	47	11	92	<0.1	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24	1	20/04/1998	Normal	6	<1	63	3	15	<0.1	5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24	1.5	20/04/1998	Normal	5	<1	63	6	13	<0.1	<1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24 (DUP)	1	20/04/1998	Field_D	7	<1	60	1	7	<0.1	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24 (DUPa)	1.5	20/04/1998	Field_D	<1	1	46	<1	5	<0.1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH25	0.3	31/05/2002	Normal	<1	1	51	99	420	0.32	23	510	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		500	200	700	<0.5	2.6	3.4	17	27
BH25	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH25 (DUP)	0.3	31/05/2002	Field_D	<1	1	46	77	460	0.46	19	510	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		200	120	320	<0.5	0.6	0.7	4	7
BH25 (DUPa)	0.3	31/05/2002	Interlab_D	4	1	41	66	408	0.3	17	497	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		331	221	552	<0.5	2.9	2.9	15.1	16
BH26	0.3	31/05/2002	Normal	<1	<1	32	11	40	<0.1	24	68	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999											
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																	
BH26	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH27	0.8	31/05/2002	Normal	<1	<1	48	18	72	0.07	10	77	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	0.5	0.5	1.2	2
BH28	0.3	31/05/2002	Normal	7	<1	64	<1	8	<0.1	4	16	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH28	0.9	31/05/2002	Normal	12	<1	56	<1	9	<0.1	<1	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH28 (DUP)	0.3	31/05/2002	Field_D	7	<1	75	<1	<1	0.06	4	15	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH29	0.3	31/05/2002	Normal	<1	<1	100	30	<1	<0.1	95	51	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH29	1	31/05/2002	Normal	7	<1	84	<1	<1	<0.1	5	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH30	0.3	31/05/2002	Normal	<1	<1	34	<1	16	0.74	3	48	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	0.8	1
BH30	1	31/05/2002	Normal	7	<1	80	<1	<1	0.07	4	17	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		120	<50	120	-	-	-	-	-
BH31	0.3	31/05/2002	Normal	<1	<1	42	<1	<1	<0.1	6	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH31	1	31/05/2002	Normal	6	<1	89	<1	<1	<0.1	7	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH31 (DUP)	1	31/05/2002	Field_D	5	<1	84	<1	<1	<0.1	10	11	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH32	0.3	31/05/2002	Normal	<1	<1	23	13	42	0.21	8	73	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		120	70	190	-	-	-	-	-
BH33	0.5	31/05/2002	Normal	6	<1	57	12	52	<0.1	16	110	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH34	0.5	31/05/2002	Normal	<1	<1	56	8	18	0.07	18	44	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH34	2	31/05/2002	Normal	<1	<1	48	<1	<1	<0.1	6	6	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH35	0.3	31/05/2002	Normal	<1	<1	63	11	<1	<0.1	21	26	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	50	50	<0.5	<0.5	<0.5	<0.5	<0.5
BH35	2	31/05/2002	Normal	10	<1	78	<1	7	<0.1	3	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH36	0.3	31/05/2002	Normal	8	<1	88	<1	<1	0.07	5	12	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH36	2	31/05/2002	Normal	11	<1	73	<1	7	<0.1	<1	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
TP1	0.1	4/07/2006	Normal	-	-	-	-	39	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	<0.2
TP1	0.5	4/07/2006	Normal	-	-	-	-	45	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		400	<100	400	<0.1	0.5	1.2	2.4	3.2
TP1	4	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP2	0.5	4/07/2006	Normal	-	-	-	-	44	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.4
TP2	2	4/07/2006	Normal	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP2	4	4/07/2006	Normal	-	-	-	-	13	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP3	0.5	4/07/2006	Normal	-	-	-	-	390	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	0.2	0.3	1	1.9
TP3	3	4/07/2006	Normal	-	-	-	-	18	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP3	4	4/07/2006	Normal	-	-	-	-	11	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP3 (QC2)	4	4/07/2006	Field_D	-	-	-	-	13	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP4	0.5	4/07/2006	Normal	-	-	-	-	350	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		320	<100	320	<0.1	0.9	1.3	5.1	9.1
TP4	1	4/07/2006	Normal	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP4	4	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	380	380	930	930	<100	<100	930	<0.1	<0.1	<0.1	<0.1	<0.2
TP5	0.1	4/07/2006	Normal	-	-	-	-	160	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP5	2	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP5	4	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP6	0.5	4/07/2006	Normal	-	-	-	-	230	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP6	3	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP6	4	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP7	0.1	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.3	0.4
TP7	1	4/07/2006	Normal	-	-	-	-	15	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP7	4	4/07/2006	Normal	-	-	-	-	18	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		84		<100	<100	84	<0.1	<0.1	<0.1	<0.1	<0.2
TP7 (QC4)	4	4/07/2006	Interlab_D	-	-	-	-	8	-	-	-	<0.5	<0.5	<0.5	-	-	<3	<0.5	-	-	-	-	-	-	-	-	19		<50		<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2
TP8	0.5	4/07/2006	Normal	-	-	-	-	210	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		290	<100	290	0.1	1.1	2.5	6.5	9
TP8	2	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP8	4	4/07/2006	Normal	-	-	-	-	13	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP9	0.1	4/07/2006	Normal	-	-	-	-	21	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP9	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP9	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP9	3	4/07/2006	Normal	-	-	-	-	17	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP9	4	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP10	0.1	4/07/2006	Normal	-	-	-	-	36	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP10	1	4/07/2006	Normal	-	-	-	-	31	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP10	3.2	4/07/2006	Normal	-	-	-	-	3	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		640	640	1600	<100	2240	<0.1	<0.1	<0.1	<0.1	<0.2
TP11	0.5	4/07/2006	Normal	-	-	-	-	470	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	0.1	0.2	1.1	2

Appendix D
Table D1
Option 1 - Historical Soil Results

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999										
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																	
TP11	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP11	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP11	3	4/07/2006	Normal	-	-	-	-	15	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP11	4	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		350		<100	<100	350	<0.1	<0.1	<0.1	<0.1	<0.2
TP12	0.1	5/07/2006	Normal	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP12	2	5/07/2006	Normal	-	-	-	-	47	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		98		<100	<100	98	<0.1	<0.1	<0.1	0.2	0.3
TP12	3	5/07/2006	Normal	-	-	-	-	39	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	<0.2
TP12 (QC8)	3	5/07/2006	Field_D	-	-	-	-	50	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP13	0.5	5/07/2006	Normal	5.7	<1	32	64	190	0.29	4.7	200	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP13	1	5/07/2006	Normal	6.2	<1	48	4.3	50	0.19	6	38	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		290	<100	290	<0.1	<0.1	<0.1	<0.1	<0.2
TP13	3	5/07/2006	Normal	9.8	<1	62	<1	21	0.12	3	1.8	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP14	0.5	5/07/2006	Normal	5.7	<1	22	7	43	0.11	5.1	70	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	0.2
TP14	2	5/07/2006	Normal	<4	<1	13	5.8	39	<0.1	3.3	140	<1	<1	3.7	-	-	19.3	2.8	-	-	-	-	-	-	-	-	-	-	<25		93		<100	<100	93	<0.1	<0.1	<0.1	<0.1	0.2
TP14	4	5/07/2006	Normal	<4	<1	21	<1	12	<0.1	<1	2.3	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP14 (QC9)	2	5/07/2006	Interlab_D	16	<1	17	6	36	<0.1	3	57	1.4	<0.5	13.6	-	-	68.8	5	-	83.8	-	-	-	-	-	-	-	-	274	190.2	130	125	<100	<100	130	<0.5	<0.5	<0.5	<0.5	<0.2
TP19	0.5	5/07/2006	Normal	7	<1	40	6.1	34	<0.1	4.1	37	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP19	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP19	2	5/07/2006	Normal	7.2	<1	30	<1	18	<0.1	1.3	8.4	<1	<1	1.8	-	-	3.9	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP19	3	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP19	4	5/07/2006	Normal	<4	<1	18	<1	18	<0.1	1.2	11	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20	0.1	5/07/2006	Normal	5.1	<1	45	2.1	32	<0.1	4.4	25	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP20	2	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP20	3	5/07/2006	Normal	<4	<1	18	<1	10	<0.1	<1	2.4	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20	4	5/07/2006	Normal	<4	<1	16	<1	10	0.12	<1	2.4	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20 (QC13)	4	5/07/2006	Interlab_D	<5	<1	27	<5	9	<0.1	<2	<5	<0.5	<0.5	<0.5	-	-	<3	<0.5	-	-	-	-	-	-	-	-	-	-	<2		<50		<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2
TP21	0.5	5/07/2006	Normal	4.5	<1	54	<1	13	<0.1	5	19	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP21	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP21	2	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP21	3	5/07/2006	Normal	4.6	<1	26	<1	13	<0.1	<1	1.8	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	95		520	520	360	<100	880	<0.1	<0.1	<0.1	<0.1	<0.2
TP21	4	5/07/2006	Normal	7.9	<1	36	<1	15	<0.1	1	<1	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP22	0.1	5/07/2006	Normal	4.7	<1	40	2.9	45	<0.1	3.8	35	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP22	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP22	2	5/07/2006	Normal	7.2	<1	45	<1	17	<0.1	1.9	5.8	<1	<1	6.1	-	-	47.2	6.7	-	-	-	-	-	-	-	-	-	-	48		52		<100	<100	52	<0.1	<0.1	<0.1	<0.1	<0.2
TP22	3.6	5/07/2006	Normal	<4	<1	18	<1	12	<0.1	<1	<1	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP27	0.5	6/07/2006	Normal	<4	<1	26	8.6	150	0.28	4.6	150	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP27	1	6/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP27	2	6/07/2006	Normal	8.2	<1	60	<1	16	0.15	3.7	1.4	2.6	4.4	130	-	-	549	19	-	686	-	-	-	-	-	-	-	-	450	0	59		<100	<100	59	<0.1	<0.1	<0.1	<0.1	<0.2
TP27	3	6/07/2006	Normal	12	<1	68	<1	20	<0.1	1.9	<1	2.6	25	19	-	-	91	13	-	137.6	-	-	-	-	-	-	-	-	140	0	200	187	<100	<100	200	<0.1	<0.1	<0.1	<0.1	<0.2
TP27	4	6/07/2006	Normal	7.7	<1	39	<1	16	<0.1	1.4	1.2	<1	1.4	1.7	-	-	8.3	1.4	-	-	-	-	-	-	-	-	-	-	<25		60		<100	<100	60	<0.1	<0.1	<0.1	<0.1	<0.2
TP28	0.1	6/07/2006	Normal	4.4	<1	43	4.7	66	0.31	6.6	75	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP28	1	6/07/2006	Normal	4.5	<1	31	48	450	0.23	7.3	290	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.3
TP28	2	6/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP28	3	6/07/2006	Normal	8.9	<1	50	<1	16	<0.1	2.4	1.2	<1	<1	<1	-	-	2.3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP28	4	6/07/2006	Normal	6.1	<1	28	<1	15	<0.1	1	1.1	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP28 (QC21)	3	6/07/2006	Interlab_D	7	<1	42	<5	9	<0.1	<2	<5	<0.5	<0.5	<0.5	-	-	0.6	<0.5	-	-	-	-	-	-	-	-	-	-	8		<50		<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2
TP30	0.5	6/07/2006	Normal	4.8	<1	46	41	1300	0.26	6.1	150	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.5
TP30	1	6/07/2006	Normal	5.2	<1	35	17	380	0.16	5.6	100	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP30	2	6/07/2006	Normal	<4	<1	29	2.3	39	<0.1	4.5	22	2.7	<1	3	-	-	22	2.3	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	0.2
TP30	4	6/07/2006	Normal	9.4	<1	40	<1	17	<0.1	1.1	4.8	<1	<1	2.2	-	-	5.9	3.3	-	-	-	-	-	-	-	-	-	-	<25		64		<100	<100	64	<0.1	<0.1	<0.1	<0.1	<0.2
TP31	0.1	6/07/2006	Normal	8.1	<1	57	<1	30	0.13	4.1	22	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP31	1	6/07/2006	Normal	5.9	<1	59	1.6	39	0.14	5.1	26	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP31	3	6/07/2006	Normal	6.2	<1	52	<1	35	0.14	4.9	22	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP31	3.5	6/07/2006	Normal	11	<1	49	<1	16	<0.1	1.9	<1	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32	0.1	6/07/2006	Normal	4.8	<1	46	3.2	38	0.12	5.8	28	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2

				Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999														
				Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)				500	150	500	30000	1200	120	1200	60000																													
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																								
0-1m												0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]									
1-2m												0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]									
2-4m												0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]									
>4m												0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL									
Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																					
TP32	1	6/07/2006	Normal	6.9	<1	52	2.2	38	0.4	5.7	30	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32	3	6/07/2006	Normal	7.2	<1	67	<1	27	0.14	3.8	13	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32	3.5	6/07/2006	Normal	7.3	<1	50	<1	21	<0.1	2.3	4.5	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32 (QC24)	3.5	6/07/2006	Field_D	6.3	<1	46	<1	16	<0.1	2.3	1.9	<1	<1	<1	-	-	<3	1.6	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
BH1	0.3-0.5	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH2	2-2.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH2	3-3.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	420	420	160	160	<100	<100	340		250		<11	<100	-	-	-	-	-	-
BH3	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH4	0.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH4	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH5	1.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH5	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	17	<1	43	-	-	-	-	380	440	170	170	<100	<100	350		280		<100	<100	-	-	-	-	-	-
BH6	1.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH6	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	51	51	<100	<100	<25		99		<100	<100	-	-	-	-	-	-
BH7	2-2.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
Exc2_V01	1.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V02	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V03	4.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V04	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	37	37	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V05	3.7	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V06	3	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	71	71	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V08	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	44	44	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V09	1.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V10	3.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V11	1.7	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V12	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V13	1.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V14	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V15	2.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V17	1.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V18	3.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V19	1.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V20	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V21	1.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V22	2.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V23	1.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V24	2.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	2	<1	3	3	2	-	5	70	70	140	140	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V04 (DUP201)	2.9	19/05/2014	Interlab_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<0.5	<0.5	<0.5	-	-	-	16	16	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V06 (DUP103)	3	22/05/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V07	1.8	23/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V12 (DUP102)	3.5	29/05/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V14 (DUP101)	3.5	1/06/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V16	3.2	3/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	57	57	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V16 (DUP200)	3.2	4/06/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<0.5	<0.5	<0.5	-	-	-	21	21	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
BH1	1-1.2	13/06/2014	Normal	<4	<0.4	60	<1	8	<0.1	9	7	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH1	2.2-2.4	13/06/2014	Normal	5	<0.4	44	<1	8	<0.1	4	2	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	51	51	1800	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH2	1-1.2	13/06/2014	Normal	4	<0.4	59	<1	11	<0.1	7	8	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH2	2-2.2	13/06/2014	Normal	4	<0.4	62	<1	11	<0.1	5	3	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH3	1-1.2	13/06/2014	Normal	<4	<0.4	45	8	31	<0.1	6	31	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH3	2.2-2.4	13/06/2014	Normal	<4	0.7	51	37	36	<0.1	8	100	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH4	1-1.2	13/06/2014	Normal	<4	<0.4	45	9	18	<0.1	12	38	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	760	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH4	2.3-2.5	13/06/2014	Normal	5	<0.4	61	3	8	<0.1	6	10	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	1300	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH5	0.8-1	2/07/2014	Normal	4	<0.4	62	<1	8	<0.1	5	18	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	1200	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH5	1.3-1.4	2/07/2014	Normal	5	<0.4	71	<1	11	<0.1	5	7	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH6	0.8-1	2/07/2014	Normal	4	1	70	<1	11	<0.1	6	20	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2

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Appendix D
Table D1
Option 1 - Historical Soil Results

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999											
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																	
ExcMLP_V25	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V26	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V27	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V28	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	0.3	<0.5	<1	<1	<2	<3	4	-	0	240	240	130	130	<100	120	-		-		-	-	-	-	-	-	-
ExcMLP_V29	1	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V30	1	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V31	1.3	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V32	1.3	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V33	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	1	<0.5	7	<1	5	5	2	-	0	130	130	68	68	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V34	3	11/08/2014	Normal	-	-	-	-	-	-	-	-	0.2	<0.5	4	<1	<2	<3	<1	-	0	81	81	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V35	3	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/1		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/1 (DUP150)		28/08/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/2		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/2 (DUP151)		28/08/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/3		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/4		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/5		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	36	36	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/6		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-

Statistical Summary

Number of Results	113	113	113	113	158	113	113	113	306	306	307	212	213	248	228	32	135	180	180	180	180	180	180	146		146		145	145	134	110	110	110	110	110
Number of Detects	83	14	113	60	148	35	102	102	11	3	26	0	5	14	15	0	135	44	43	35	35	7	3	11		19		22	15	34	1	9	9	22	23
Minimum Concentration	<1	<0.4	5	<1	<1	0.06	<1	<1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<3	0	16	16	<50	<50	<100	<100	<1		<1		<1	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.2
Minimum Detect	1	0.6	5	1	3	0.06	1	1	0.2	1.4	1	ND	0.8	0.6	1.4	ND	4	16	16	51	51	760	120	8		52		10.6	34	50	0.1	0.1	0.2	0.1	0.2
Maximum Concentration	23	13	105	232	1300	0.8	95	529	2.7	25	130	<1	43	549	19	<3	686	720	720	1300	1300	30000	210	450		930		10105	689	10754	<0.5	2.9	3.4	17	27
Maximum Detect	23	13	105	232	1300	0.8	95	529	2.7	25	130	ND	43	549	19	ND	686	720	720	1300	1300	30000	210	450		930		10105	689	10754	0.1	2.9	3.4	17	27
Average Concentration	5	0.65	50	9.8	57	0.1	6.5	55	0.25	0.45	1.3	0.49	1.2	4.7	0.77	1.5	6.9	44	43	55	55	403	52	23		45		334	70	459	0.083	0.16	0.19	0.58	0.84
Median Concentration	4.8	0.5	47	1	16	0.05	5	13	0.1	0.25	0.5	0.5	1	1.5	0.5	1.5	0	12.5	12.5	25	25	50	50	12.5		25		50	50	125	0.05	0.05	0.05	0.05	0.1
Standard Deviation	3.8	1.2	23	26	140	0.13	9.6	110	0.31	1.4	7.6	0.045	2.9	36	1.6	0	60	91	92	121	121	2752	16	66		108		1272	105	1415	0.074	0.39	0.5	2.3	3.2
Number of Guideline Exceedances	0	0	0	0	1	0	0	0	92	0	7	0	0	1	81	0	0	28	0	15	0	0	0	6		5		0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	0	0	1	0	0	0	5	0	7	0	0	1	81	0	0	28	0	15	0	0	0	6		5		0	0	0	0	0	0	0	0

Env Stds Comments

#1:Level adopted from USEPA RSL Residential Soil (May 2018)
#2:Level adopted from USEPA RSL Residential Soil (May 2019)
#3:To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.
#4:To obtain F2 subtract naphthalene from the >C10 - C16 fraction.
#5:Not limiting: Derived soil HSL exceeds soil saturation concentration
#6: TRH F1 and F2 criteria has been adopted for TPH.

| | | |

| | | | | PAHs | | | | | | | | | | | | | | Phenols | | VOCs | | | | | OC Pesticides | | | | | | | | | | | | | |

| | | | | PAHs | | | | | | | | | | | | | | Phenols | | VOCs | | | | | OC Pesticides | | | | | | | | | | | | | |

Appendix D
Table D1
Option 1 - Historical Soil Results

| | | | | PAHs | | | | | | | | | | | | | | Phenols | | VOCs | | | | | OC Pesticides | | | | | | | | | | | | | |

| | | | | PAHs | | | | | | | | | | | | | | Phenols | | VOCs | | | | | OC Pesticides | | | | | | | | | | | | | |

| | | | | PAHs | | | | | | | | | | | | | | Phenols | | VOCs | | | | | OC Pesticides | | | | | | | | | | | | | |

| | | | | PAHs | | | | | | | | | | | | | | Phenols | | VOCs | | | | | OC Pesticides | | | | | | | | | | | | | |

Appendix D
Table D1
Option 1 - Historical Soil Results

								OP Pesticides	MAH			PCBs		TPH
								g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
								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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)								0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																				
0-1m																				
1-2m																				
2-4m																				
>4m																				
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**																	
SE1	2-2.4	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE1	2-2.4	3/08/1995	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE4	0-0.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE5	3.2-3.7	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE6	0.2-0.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE6	0.5-1	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE6	1.3-1.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE7	0.2-0.4	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SS01		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS03		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS08		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS16		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS17		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1	1.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3	2.35	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5	0.5	20/04/1998	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	<0.5
BH6	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH8	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH11	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH12	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH13	0.35	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13	2.35	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH18	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH19	1.5	20/04/1998	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-
BH19	4.3	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	<0.5
BH21	1.8	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21	2.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH23	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH23	1.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH23 (DUP)	1.5	20/04/1998	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH24	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24	1	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24	1.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUP)	1	20/04/1998	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUPa)	1.5	20/04/1998	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25	1	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25 (DUP)	0.3	31/05/2002	Field_D	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25 (DUPa)	0.3	31/05/2002	Interlab_D	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH26	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-

Appendix D
Table D1
Option 1 - Historical Soil Results

								OP Pesticides	MAH			PCBs		TPH
	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
	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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand													
0-1m													
1-2m													
2-4m													
>4m													

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type													
BH26	1	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH27	0.8	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH28	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH28	0.9	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH28 (DUP)	0.3	31/05/2002	Field_D	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH29	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31 (DUP)	1	31/05/2002	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH33	0.5	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34	0.5	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH34	2	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH35	2	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH36	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH36	2	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
TP1	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP1	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP1	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP2	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP2	2	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP2	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP3	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP3	3	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP3	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP3 (QC2)	4	4/07/2006	Field_D	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP4	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP4	1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP4	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP5	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP5	2	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP5	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP6	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP6	3	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP6	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP7	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP7	1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP7	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP7 (QC4)	4	4/07/2006	Interlab_D	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	-	-	-
TP8	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP8	2	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP8	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP9	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP9	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	3	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP9	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP10	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP10	1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP10	3.2	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP11	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-

Appendix D
Table D1
Option 1 - Historical Soil Results

								OP Pesticides	MAH			PCBs		TPH
								g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
								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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)								0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																				
0-1m																				
1-2m																				
2-4m																				
>4m																				
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**																	
TP11	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11	3	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP11	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP12	0.1	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP12	2	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP12	3	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP12 (QC8)	3	5/07/2006	Field_D	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP13	0.5	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP13	1	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP13	3	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP14	0.5	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP14	2	5/07/2006	Normal	-	-	-	-	-	-	-	12	2.4	<1	-	-	-	-	-	-	-
TP14	4	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP14 (QC9)	2	5/07/2006	Interlab_D	-	-	-	-	-	-	-	41.7	13.2	1.8	-	-	-	-	-	-	-
TP19	0.5	5/07/2006	Normal	-	-	-	-	-	-	-	<1	1.2	<1	-	-	-	-	-	-	-
TP19	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19	2	5/07/2006	Normal	-	-	-	-	-	-	-	4	1.2	<1	-	-	-	-	-	-	-
TP19	3	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19	4	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP20	0.1	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP20	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20	2	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20	3	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP20	4	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP20 (QC13)	4	5/07/2006	Interlab_D	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
TP21	0.5	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP21	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21	2	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21	3	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP21	4	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP22	0.1	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP22	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP22	2	5/07/2006	Normal	-	-	-	-	-	-	-	43	12	<1	-	-	-	-	-	-	-
TP22	3.6	5/07/2006	Normal	-	-	-	-	-	-	-	3.5	<1	<1	-	-	-	-	-	-	-
TP27	0.5	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP27	1	6/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27	2	6/07/2006	Normal	-	-	-	-	-	-	-	260	79	8.3	-	-	-	-	-	-	-
TP27	3	6/07/2006	Normal	-	-	-	-	-	-	-	51	16	1.5	-	-	-	-	-	-	-
TP27	4	6/07/2006	Normal	-	-	-	-	-	-	-	3.9	1.3	<1	-	-	-	-	-	-	-
TP28	0.1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP28	1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP28	2	6/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28	3	6/07/2006	Normal	-	-	-	-	-	-	-	1.9	<1	<1	-	-	-	-	-	-	-
TP28	4	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP28 (QC21)	3	6/07/2006	Interlab_D	-	-	-	-	-	-	-	2	<0.5	<0.5	-	-	-	-	-	-	-
TP30	0.5	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP30	1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	<1	-
TP30	2	6/07/2006	Normal	-	-	-	-	-	-	-	15	3.4	<1	-	-	-	-	-	-	-
TP30	4	6/07/2006	Normal	-	-	-	-	-	-	-	6.9	2.3	<1	-	-	-	-	-	-	-
TP31	0.1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP31	1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP31	3	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP31	3.5	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-
TP32	0.1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-	-	-

Appendix D
Table D1
Option 1 - Historical Soil Results

								OP Pesticides	MAH			PCBs		TPH
	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
	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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand													
0-1m													
1-2m													
2-4m													
>4m													

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type													
TP32	1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP32	3	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP32	3.5	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP32 (QC24)	3.5	6/07/2006	Field_D	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
BH1	0.3-0.5	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2	2-2.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2	3-3.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4	0.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5	1.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6	1.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7	2-2.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V01	1.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V02	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V03	4.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V04	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V05	3.7	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V06	3	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V08	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V09	1.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V10	3.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V11	1.7	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V12	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V13	1.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V14	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V15	2.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V17	1.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V18	3.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V19	1.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V20	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V21	1.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V22	2.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V23	1.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V24	2.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V04 (DUP201)	2.9	19/05/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V06 (DUP103)	3	22/05/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V07	1.8	23/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V12 (DUP102)	3.5	29/05/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V14 (DUP101)	3.5	1/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V16	3.2	3/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V16 (DUP200)	3.2	4/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1	1-1.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH1	2.2-2.4	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH2	1-1.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH2	2-2.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH3	1-1.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH3	2.2-2.4	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH4	1-1.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH4	2.3-2.5	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH5	0.8-1	2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH5	1.3-1.4	2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH6	0.8-1	2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-

Appendix D
Table D1
Option 1 - Historical Soil Results

								OP Pesticides	MAH			PCBs		TPH
				g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
				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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)				0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																
0-1m																
1-2m																
2-4m																
>4m																
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**													
BH6	1.3-1.5	2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA1		2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA2		2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA3		2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
Exc1_VA1	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA10	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA11	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA11 (DUP111)	2.5	13/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA12	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA12 (DUP210)	2.5	13/06/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA13	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA14	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA2	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA3	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA4	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA4 (DUP110)	2.5	13/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA5	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA6	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA7	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA8	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA9	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA15	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA16	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA17	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA18	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA18 (DUP112)	2.5	16/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA19	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA20	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA21	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA22	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA23	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA23 (DUP211)	2.5	16/06/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA24	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA25	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA26	1	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA27	2	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA28	1	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA29	2	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA30	2.5	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/5		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/6		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/5		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/6		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix D
Table D1
Option 1 - Historical Soil Results

								OP Pesticides	MAH			PCBs		TPH
								g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
				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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)				0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																
0-1m																
1-2m																
2-4m																
>4m																
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**													
LF2/1		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/2		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/3		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/4		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/5		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP130)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP230)		5/08/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/10		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/11		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/12		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13 (DUP132)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/14		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/15		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/16		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/2		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/3		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/4		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/5		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/6		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP131)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP231)		5/08/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/8		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/9		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP140)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP230)	3	8/08/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V02	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V03	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V04	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V05	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP141)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP231)	3	8/08/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V07	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V07 (DUP142)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V08	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V09	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V10	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V11	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V12	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V13	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V14	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V15	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V16	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V17	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V18	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V19	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V20	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V21	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V22	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V23	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V24	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix D
Table D1
Option 1 - Historical Soil Results

								OP Pesticides	MAH			PCBs		TPH
				g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
				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
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)				0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																
0-1m																
1-2m																
2-4m																
>4m																
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**													
ExcMLP_V25	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V26	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V27	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V28	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V29	1	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V30	1	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V31	1.3	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V32	1.3	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V33	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V34	3	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V35	3	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1 (DUP150)		28/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2 (DUP151)		28/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/3		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/4		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/5		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/6		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-

Statistical Summary

Number of Results	31	31	31	31	31	16	16	81	81	81	47	1	2
Number of Detects	0	0	0	0	0	0	0	12	10	3	0	0	0
Minimum Concentration	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<1	<0.5
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	1.9	1.2	1.5	ND	ND	ND
Maximum Concentration	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	260	79	8.3	<1	<1	<0.5
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	260	79	8.3	ND	ND	ND
Average Concentration	0.05	0.05	0.05	0.05	0.05	0.05	0.05	5.9	2.1	0.62	0.31		
Median Concentration	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.5	0.5	0.5	0.5	0.25
Standard Deviation	0	0	0	0	0	0	0	30	9	0.88	0.2		
Number of Guideline Exceedances	0	0	31	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0

Env Stds Comments

#1:Level adopted from USEPA RSL Residential Soil (May 2018)
#2:Level adopted from USEPA RSL Residential Soil (May 2019)
#3:To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.
#4:To obtain F2 subtract naphthalene from the >C10 - C16 fraction.
#5:Not limiting: Derived soil HSL exceeds soil saturation concentration
#6: TRH F1 and F2 criteria has been adopted for TPH.

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999										
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less Naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	**100**	**20**	**100**	**6000**	**300**	**40**	**400**	**7400**																											
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																	
SE1	2-2.4	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		1654	85	1738	-	-	-	-	-
SE1	2-2.4	3/08/1995	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		1002	49	1051	-	-	-	-	-
SE4	0-0.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		<1	<1	<1	-	-	-	-	-
SE5	3.2-3.7	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		1157	34	1191	-	-	-	-	-
SE6	0.2-0.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		2552	183	2736	-	-	-	-	-
SE6	0.5-1	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		7281	689	7969	-	-	-	-	-
SE6	1.3-1.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		5632	666	6298	-	-	-	-	-
SE7	0.2-0.4	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1		<1		10,105	648	10,754	-	-	-	-	-
SS01		16/05/1996	Normal	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SS03		16/05/1996	Normal	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SS08		16/05/1996	Normal	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SS15		16/05/1996	Normal	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SS16		16/05/1996	Normal	-	-	-	-	9	-	-	1	-	0.8	-	-	-	-	-	-	-	-	-	-	-	35		83		-	-	-	-	-	-	-	-	-	-	-
SS17		16/05/1996	Normal	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH1	0.5	20/04/1998	Normal	1	<1	95	<1	15	0.1	7	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH1	1.5	20/04/1998	Normal	7	<1	86	3	22	<0.1	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH2	0.5	20/04/1998	Normal	5	<1	93	1	8	<0.1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH3	0.5	20/04/1998	Normal	<1	<1	**105**	<1	12	<0.1	4	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH3	2.35	20/04/1998	Normal	3	<1	59	1	8	0.5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH4	0.5	20/04/1998	Normal	2	<1	94	1	13	<0.1	6	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH5	0.5	20/04/1998	Normal	21	<1	6	4	3	0.1	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
BH6	0.5	20/04/1998	Normal	1	1	22	20	61	<0.1	12	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH7	0.5	20/04/1998	Normal	7	<1	95	1	14	<0.1	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH8	0.5	20/04/1998	Normal	4	<1	72	1	10	<0.1	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH9	0.5	20/04/1998	Normal	5	<1	47	8	68	0.2	8	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH10	0.5	20/04/1998	Normal	10	<1	59	17	23	<0.1	7	473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH11	0.5	20/04/1998	Normal	5	<1	29	10	32	<0.1	6	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH12	0.5	20/04/1998	Normal	<1	<1	30	5	17	<0.1	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH13	0.35	20/04/1998	Normal	1	<1	5	11	8	<0.1	12	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH13	0.5	20/04/1998	Normal	<1	<1	88	<1	12	<0.1	5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH13	2.35	20/04/1998	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-	-	-	-
BH14	0.5	20/04/1998	Normal	23	1	28	4	17	0.1	5	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH15	0.5	20/04/1998	Normal	4	<1	32	9	36	0.1	3	78	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-	-	-	-
BH16	0.5	20/04/1998	Normal	8	<1	75	<1	14	<0.1	6	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH17	0.5	20/04/1998	Normal	7	<1	87	<1	11	<0.1	3	1	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH18	0.5	20/04/1998	Normal	2	<1	33	9	55	0.1	12	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH19	1.5	20/04/1998	Normal	5	<1	26	21	42	<0.1	8	46	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		542	373	915	-	-	-	-	-	-	-	-
BH19	4.3	20/04/1998	Normal	3	1	22	3	6	<0.1	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH21	0.5	20/04/1998	Normal	4	<1	34	18	36	<0.1	7	129	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		109		10.6	535	654.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH21	1.8	20/04/1998	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		66		6570	325	6961	-	-	-	-	-	-	-	-
BH21	2.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		1870	<50	1870	-	-	-	-	-	-	-	-
BH22	0.5	20/04/1998	Normal	4	1	43	232	**472**	0.8	9	529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	<0.5	<0.5	<0.5	0.7	1
BH23	0.5	20/04/1998	Normal	2	<1	25	2	51	<0.1	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
BH23	1.5	20/04/1998	Normal	6	<1	48	<1	10	<0.1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH23 (DUP)	1.5	20/04/1998	Field_D	4	<1	55	1	16	<0.1	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24	0.5	20/04/1998	Normal	3	<1	47	11	92	<0.1	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24	1	20/04/1998	Normal	6	<1	63	3	15	<0.1	5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24	1.5	20/04/1998	Normal	5	<1	63	6	13	<0.1	<1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24 (DUP)	1	20/04/1998	Field_D	7	<1	60	1	7	<0.1	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH24 (DUPa)	1.5	20/04/1998	Field_D	<1	1	46	<1	5	<0.1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-
BH25	0.3	31/05/2002	Normal	<1	1	51	99	**420**	0.32	23	510	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		500	200	700	<0.5	2.6	3.4	17	27			
BH25	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-	-	-	-
BH25 (DUP)	0.3	31/05/2002	Field_D	<1	1	46	77	**460**	0.46	19	510	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		200	120	320	<0.5	0.6	0.7	4	7			
BH25 (DUPa)	0.3	31/05/2002	Interlab_D	4	1	41	66	**408**	0.3	17	497	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	<2		<10		331	221	552	<0.5	2.9	2.9	15.1	16			

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999										
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less Naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	**100**	**20**	**100**	**6000**	**300**	**40**	**400**	**7400**																											
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																
BH26	0.3	31/05/2002	Normal	<1	<1	32	11	40	<0.1	24	68	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH26	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH27	0.8	31/05/2002	Normal	<1	<1	48	18	72	0.07	10	77	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	0.5	0.5	1.2	2
BH28	0.3	31/05/2002	Normal	7	<1	64	<1	8	<0.1	4	16	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH28	0.9	31/05/2002	Normal	12	<1	56	<1	9	<0.1	<1	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH28 (DUP)	0.3	31/05/2002	Field_D	7	<1	75	<1	<1	0.06	4	15	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH29	0.3	31/05/2002	Normal	<1	<1	100	30	<1	<0.1	95	51	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH29	1	31/05/2002	Normal	7	<1	84	<1	<1	<0.1	5	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH30	0.3	31/05/2002	Normal	<1	<1	34	<1	16	0.74	3	48	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	0.8	1
BH30	1	31/05/2002	Normal	7	<1	80	<1	<1	0.07	4	17	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		120	<50	120	-	-	-	-	-
BH31	0.3	31/05/2002	Normal	<1	<1	42	<1	<1	<0.1	6	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH31	1	31/05/2002	Normal	6	<1	89	<1	<1	<0.1	7	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH31 (DUP)	1	31/05/2002	Field_D	5	<1	84	<1	<1	<0.1	10	11	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH32	0.3	31/05/2002	Normal	<1	<1	23	13	42	0.21	8	73	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		120	70	190	-	-	-	-	-
BH33	0.5	31/05/2002	Normal	6	<1	57	12	52	<0.1	16	110	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH34	0.5	31/05/2002	Normal	<1	<1	56	8	18	0.07	18	44	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH34	2	31/05/2002	Normal	<1	<1	48	<1	<1	<0.1	6	6	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH35	0.3	31/05/2002	Normal	<1	<1	63	11	<1	<0.1	21	26	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	50	50	<0.5	<0.5	<0.5	<0.5	<0.5
BH35	2	31/05/2002	Normal	10	<1	78	<1	7	<0.1	3	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH36	0.3	31/05/2002	Normal	8	<1	88	<1	<1	0.07	5	12	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
BH36	2	31/05/2002	Normal	11	<1	73	<1	7	<0.1	<1	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2		<10		<50	<50	<110	-	-	-	-	-
TP1	0.1	4/07/2006	Normal	-	-	-	-	39	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	<0.2
TP1	0.5	4/07/2006	Normal	-	-	-	-	45	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		400	<100	400	<0.1	0.5	1.2	2.4	3.2
TP1	4	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP2	0.5	4/07/2006	Normal	-	-	-	-	44	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.4
TP2	2	4/07/2006	Normal	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP2	4	4/07/2006	Normal	-	-	-	-	13	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP3	0.5	4/07/2006	Normal	-	-	-	-	390	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	0.2	0.3	1	1.9
TP3	3	4/07/2006	Normal	-	-	-	-	18	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP3	4	4/07/2006	Normal	-	-	-	-	11	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP3 (QC2)	4	4/07/2006	Field_D	-	-	-	-	13	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP4	0.5	4/07/2006	Normal	-	-	-	-	350	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		320	<100	320	<0.1	0.9	1.3	5.1	9.1
TP4	1	4/07/2006	Normal	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP4	4	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	380	380	930	930	<100	<100	930	<0.1	<0.1	<0.1	<0.1	<0.2
TP5	0.1	4/07/2006	Normal	-	-	-	-	160	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP5	2	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP5	4	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP6	0.5	4/07/2006	Normal	-	-	-	-	230	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP6	3	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP6	4	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP7	0.1	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.3	0.4
TP7	1	4/07/2006	Normal	-	-	-	-	15	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP7	4	4/07/2006	Normal	-	-	-	-	18	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		84		<100	<100	84	<0.1	<0.1	<0.1	<0.1	<0.2
TP7 (QC4)	4	4/07/2006	Interlab_D	-	-	-	-	8	-	-	-	<0.5	<0.5	<0.5	-	-	<3	<0.5	-	-	-	-	-	-	-	-	19		<50		<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2
TP8	0.5	4/07/2006	Normal	-	-	-	-	210	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		290	<100	290	0.1	1.1	2.5	6.5	9
TP8	2	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP8	4	4/07/2006	Normal	-	-	-	-	13	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP9	0.1	4/07/2006	Normal	-	-	-	-	21	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP9	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP9	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP9	3	4/07/2006	Normal	-	-	-	-	17	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP9	4	4/07/2006	Normal	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP10	0.1	4/07/2006	Normal	-	-	-	-	36	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP10	1	4/07/2006	Normal	-	-	-	-	31	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2

				Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999										
				Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less Naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
				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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)				**100**	**20**	**100**	**6000**	**300**	**40**	**400**	**7400**																											
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)				500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																						
0-1m												0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]							
1-2m												0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]							
2-4m												0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]							
>4m												0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL							
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**																																			
TP10	3.2	4/07/2006	Normal	-	-	-	-	3	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		640	640	1600	<100	2240	<0.1	<0.1	<0.1	<0.1	<0.2
TP11	0.5	4/07/2006	Normal	-	-	-	-	470	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	0.1	0.2	1.1	2
TP11	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP11	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP11	3	4/07/2006	Normal	-	-	-	-	15	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP11	4	4/07/2006	Normal	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		350		<100	<100	350	<0.1	<0.1	<0.1	<0.1	<0.2
TP12	0.1	5/07/2006	Normal	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP12	2	5/07/2006	Normal	-	-	-	-	47	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		98		<100	<100	98	<0.1	<0.1	<0.1	0.2	0.3
TP12	3	5/07/2006	Normal	-	-	-	-	39	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	<0.2
TP12 (QC8)	3	5/07/2006	Field_D	-	-	-	-	50	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP13	0.5	5/07/2006	Normal	5.7	<1	32	64	190	0.29	4.7	200	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP13	1	5/07/2006	Normal	6.2	<1	48	4.3	50	0.19	6	38	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		290	<100	290	<0.1	<0.1	<0.1	<0.1	<0.2
TP13	3	5/07/2006	Normal	9.8	<1	62	<1	21	0.12	3	1.8	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP14	0.5	5/07/2006	Normal	5.7	<1	22	7	43	0.11	5.1	70	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	0.2
TP14	2	5/07/2006	Normal	<4	<1	13	5.8	39	<0.1	3.3	140	<1	<1	3.7	-	-	19.3	2.8	-	-	-	-	-	-	-	-	<25		93		<100	<100	93	<0.1	<0.1	<0.1	<0.1	0.2
TP14	4	5/07/2006	Normal	<4	<1	21	<1	12	<0.1	<1	2.3	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP14 (QC9)	2	5/07/2006	Interlab_D	16	<1	17	6	36	<0.1	3	57	1.4	<0.5	13.6	-	-	68.8	5	-	83.8	-	-	-	-	-	-	274	190.2	130		<100	<100	130	<0.5	<0.5	<0.5	<0.5	<0.2
TP19	0.5	5/07/2006	Normal	7	<1	40	6.1	34	<0.1	4.1	37	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP19	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP19	2	5/07/2006	Normal	7.2	<1	30	<1	18	<0.1	1.3	8.4	<1	<1	1.8	-	-	3.9	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP19	3	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP19	4	5/07/2006	Normal	<4	<1	18	<1	18	<0.1	1.2	11	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20	0.1	5/07/2006	Normal	5.1	<1	45	2.1	32	<0.1	4.4	25	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP20	2	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP20	3	5/07/2006	Normal	<4	<1	18	<1	10	<0.1	<1	2.4	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20	4	5/07/2006	Normal	<4	<1	16	<1	10	0.12	<1	2.4	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20 (QC13)	4	5/07/2006	Interlab_D	<5	<1	27	<5	9	<0.1	<2	<5	<0.5	<0.5	<0.5	-	-	<3	<0.5	-	-	-	-	-	-	-	-	<2		<50		<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2
TP21	0.5	5/07/2006	Normal	4.5	<1	54	<1	13	<0.1	5	19	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP21	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP21	2	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP21	3	5/07/2006	Normal	4.6	<1	26	<1	13	<0.1	<1	1.8	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	95		520	520	360	<100	880	<0.1	<0.1	<0.1	<0.1	<0.2
TP21	4	5/07/2006	Normal	7.9	<1	36	<1	15	<0.1	1	<1	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP22	0.1	5/07/2006	Normal	4.7	<1	40	2.9	45	<0.1	3.8	35	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP22	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP22	2	5/07/2006	Normal	7.2	<1	45	<1	17	<0.1	1.9	5.8	<1	<1	6.1	-	-	47.2	6.7	-	-	-	-	-	-	-	-	48		52		<100	<100	52	<0.1	<0.1	<0.1	<0.1	<0.2
TP22	3.6	5/07/2006	Normal	<4	<1	18	<1	12	<0.1	<1	<1	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP27	0.5	6/07/2006	Normal	<4	<1	26	8.6	150	0.28	4.6	150	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP27	1	6/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP27	2	6/07/2006	Normal	8.2	<1	60	<1	16	0.15	3.7	1.4	2.6	4.4	130	-	-	549	19	-	686	-	-	-	-	-	-	450	0	59		<100	<100	59	<0.1	<0.1	<0.1	<0.1	<0.2
TP27	3	6/07/2006	Normal	12	<1	68	<1	20	<0.1	1.9	<1	2.6	25	19	-	-	91	13	-	87.6	-	-	-	-	-	-	140	52.4	200		<100	<100	200	<0.1	<0.1	<0.1	<0.1	<0.2
TP27	4	6/07/2006	Normal	7.7	<1	39	<1	16	<0.1	1.4	1.2	<1	1.4	1.7	-	-	8.3	1.4	-	-	-	-	-	-	-	-	<25		60		<100	<100	60	<0.1	<0.1	<0.1	<0.1	<0.2
TP28	0.1	6/07/2006	Normal	4.4	<1	43	4.7	66	0.31	6.6	75	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP28	1	6/07/2006	Normal	4.5	<1	31	48	**450**	0.23	7.3	290	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.3
TP28	2	6/07/2006	Normal	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	-	-	-	-	-
TP28	3	6/07/2006	Normal	8.9	<1	50	<1	16	<0.1	2.4	1.2	<1	<1	<1	-	-	2.3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP28	4	6/07/2006	Normal	6.1	<1	28	<1	15	<0.1	1	1.1	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP28 (QC21)	3	6/07/2006	Interlab_D	7	<1	42	<5	9	<0.1	<2	<5	<0.5	<0.5	<0.5	-	-	0.6	<0.5	-	-	-	-	-	-	-	-	8		<50		<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2
TP30	0.5	6/07/2006	Normal	4.8	<1	46	41	**1300**	0.26	6.1	150	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.5
TP30	1	6/07/2006	Normal	5.2	<1	35	17	**380**	0.16	5.6	100	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP30	2	6/07/2006	Normal	<4	<1	29	2.3	39	<0.1	4.5	22	2.7	<1	3	-	-	22	2.3	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	0.2
TP30	4	6/07/2006	Normal	9.4	<1	40	<1	17	<0.1	1.1	4.8	<1	<1	2.2	-	-	5.9	3.3	-	-	-	-	-	-	-	-	<25		64		<100	<100	64	<0.1	<0.1	<0.1	<0.1	<0.2
TP31	0.1	6/07/2006	Normal	8.1	<1	57	<1	30	0.13	4.1	22	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP31	1	6/07/2006	Normal	5.9	<1	59	1.6	39	0.14	5.1	26	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999											
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less Naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	**100**	**20**	**100**	**6000**	**300**	**40**	**400**	**7400**																											
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																
TP31	3	6/07/2006	Normal	6.2	<1	52	<1	35	0.14	4.9	22	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP31	3.5	6/07/2006	Normal	11	<1	49	<1	16	<0.1	1.9	<1	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32	0.1	6/07/2006	Normal	4.8	<1	46	3.2	38	0.12	5.8	28	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32	1	6/07/2006	Normal	6.9	<1	52	2.2	38	0.4	5.7	30	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32	3	6/07/2006	Normal	7.2	<1	67	<1	27	0.14	3.8	13	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32	3.5	6/07/2006	Normal	7.3	<1	50	<1	21	<0.1	2.3	4.5	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP32 (QC24)	3.5	6/07/2006	Field_D	6.3	<1	46	<1	16	<0.1	2.3	1.9	<1	<1	<1	-	-	<3	1.6	-	-	-	-	-	-	-	-	<25		<50		<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
BH1	0.3-0.5	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH2	2-2.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH2	3-3.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	420	420	160	160	<100	<100	340		250		<11	<100	-	-	-	-	-	-
BH3	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH4	0.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH4	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH5	1.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH5	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	17	<1	43	-	-	-	-	380	440	170	170	<100	<100	350		280		<100	<100	-	-	-	-	-	-
BH6	1.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
BH6	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	51	51	<100	<100	<25		99		<100	<100	-	-	-	-	-	-
BH7	2-2.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25		<50		<100	<100	-	-	-	-	-	-
Exc2_V01	1.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V02	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V03	4.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V04	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	37	37	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V05	3.7	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V06	3	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	71	71	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V08	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	44	44	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V09	1.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V10	3.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V11	1.7	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V12	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V13	1.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V14	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V15	2.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V17	1.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V18	3.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V19	1.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V20	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V21	1.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V22	2.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V23	1.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V24	2.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	2	<1	3	3	2	-	5	70	70	140	140	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V04 (DUP201)	2.9	19/05/2014	Interlab_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<0.5	<0.5	<0.5	-	-	-	16	16	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V06 (DUP103)	3	22/05/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V07	1.8	23/05/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V12 (DUP102)	3.5	29/05/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V14 (DUP101)	3.5	1/06/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V16	3.2	3/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	57	57	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc2_V16 (DUP200)	3.2	4/06/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<0.5	<0.5	<0.5	-	-	-	21	21	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
BH1	1-1.2	13/06/2014	Normal	<4	<0.4	60	<1	8	<0.1	9	7	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH1	2.2-2.4	13/06/2014	Normal	5	<0.4	44	<1	8	<0.1	4	2	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	51	51	1800	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH2	1-1.2	13/06/2014	Normal	4	<0.4	59	<1	11	<0.1	7	8	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH2	2-2.2	13/06/2014	Normal	4	<0.4	62	<1	11	<0.1	5	3	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH3	1-1.2	13/06/2014	Normal	<4	<0.4	45	8	31	<0.1	6	31	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH3	2.2-2.4	13/06/2014	Normal	<4	0.7	51	37	36	<0.1	8	100	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH4	1-1.2	13/06/2014	Normal	<4	<0.4	45	9	18	<0.1	12	38	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	760	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999											
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less Naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	**100**	**20**	**100**	**6000**	**300**	**40**	**400**	**7400**																											
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																
BH4	2.3-2.5	13/06/2014	Normal	5	<0.4	61	3	8	<0.1	6	10	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	1300	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH5	0.8-1	2/07/2014	Normal	4	<0.4	62	<1	8	<0.1	5	18	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	1200	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH5	1.3-1.4	2/07/2014	Normal	5	<0.4	71	<1	11	<0.1	5	7	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH6	0.8-1	2/07/2014	Normal	4	1	70	<1	11	<0.1	6	20	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH6	1.3-1.5	2/07/2014	Normal	4	0.6	71	<1	10	<0.1	10	11	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
VA1		2/07/2014	Normal	1	0.9	40	10	57	<0.1	11	43	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	390	390	8800	<100	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
VA2		2/07/2014	Normal	<4	3	7	1	4	<0.1	<1	27	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	1300	1300	30,000	210	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
VA3		2/07/2014	Normal	<4	13	19	32	45	<0.1	16	55	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	830	830	20,000	170	-		-		-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
Exc1_VA1	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA10	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	44	44	130	130	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA11	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	4	<1	<2	<3	<1	-	4	190	190	83	83	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA11 (DUP111)	2.5	13/06/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	3	<1	<2	<3	-	-	-	230	230	91	93	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA12	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	6	<1	<2	<3	<1	-	6	570	570	170	170	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA12 (DUP210)	2.5	13/06/2014	Interlab_D	-	-	-	-	-	-	-	-	<0.2	<0.5	3.2	<0.5	<0.5	<0.5	-	-	-	207	<25	130	130	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA13	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA14	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA2	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA3	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	77	77	70	70	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA4	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	130	130	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA4 (DUP110)	2.5	13/06/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	140	140	180	180	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA5	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA6	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA7	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA8	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA9	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA15	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA16	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA17	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	720	720	240	240	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA18	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	200	200	82	82	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA18 (DUP112)	2.5	16/06/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	210	210	120	120	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA19	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA20	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	2	<1	3	3	2	-	5	210	210	76	76	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA21	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA22	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA23	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	280	280	150	150	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA23 (DUP211)	2.5	16/06/2014	Interlab_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	140	140	240	240	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA24	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA25	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA26	1	17/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	210	210	120	120	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA27	2	17/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA28	1	17/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA29	2	17/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
Exc1_VA30	2.5	17/06/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	49	49	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF1/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF1/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF1/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF1/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF1/5		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF1/6		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF4/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	32	32	84	84	<100	<100	-		-		-	-	-	-	-	-	-	-
LF4/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF4/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-	-
LF4/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	61	61	<100	<100	-		-		-	-	-	-	-	-	-	-
LF4/5		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	56	56	<100	<100	-		-		-	-	-	-	-	-	-	-

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999												
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less Naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	**100**	**20**	**100**	**6000**	**300**	**40**	**400**	**7400**																												
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																												
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																				
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]									
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]									
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]									
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL									
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**																																	
LF4/6		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	110	110	<100	<100	-		-	-	-	-	-	-	-	-	-
SP3/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
SP3/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
SP3/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
SP3/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF2/1		21/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF2/2		21/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF2/3		21/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF2/4		21/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF2/5		21/07/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/1		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/1 (DUP130)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/1 (DUP230)		5/08/2014	Interlab_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/10		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/11		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/12		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/13		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/13 (DUP132)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/14		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/15		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/16		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/2		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/3		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/4		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/5		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/6		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/7		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/7 (DUP131)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/7 (DUP231)		5/08/2014	Interlab_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/8		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF3/9		5/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V01	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	0.4	<0.5	3	<1	<2	<3	<1	-	0	39	39	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V01 (DUP140)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V01 (DUP230)	3	8/08/2014	Interlab_D	-	-	-	-	-	-	-	-	<0.2	<0.5	1	<0.5	<0.5	<3	-	-	-	21	22	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V02	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	5	<1	<2	<3	2	-	0	62	62	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V03	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	42	42	130	130	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V04	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	56	56	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V05	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V06	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	0.2	<0.5	3	<1	<2	<3	<1	-	0	34	34	170	170	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V06 (DUP141)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	0.2	<0.5	3	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V06 (DUP231)	3	8/08/2014	Interlab_D	-	-	-	-	-	-	-	-	<0.2	<0.5	1.5	<0.5	<0.5	<0.5	-	-	-	46	48	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V07	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V07 (DUP142)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V08	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V09	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	1	<1	<2	<3	<1	-	0	83	83	64	64	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V10	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	2	-	0	77	77	60	60	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V11	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	250	250	110	110	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V12	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	49	49	90	90	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V13	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V14	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V15	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	110	110	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V16	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	82	82	180	180	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V17	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V18	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-

Appendix D
Table D2
Option 2 - Historical Soil Results

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999											
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C6-C9 Fraction less BTEX	C10-C14 Fraction	C10-C14 Fraction less Naphthalene	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	**100**	**20**	**100**	**6000**	**300**	**40**	**400**	**7400**																											
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	500	150	500	30000	1200	120	1200	60000																											
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																			
0-1m									0.5	160	55			40	3			45[#3]		110[#4]				45[#6]	45[#6]	110[#6]	110[#6]								
1-2m									0.5	220	NL			60	NL			70[#3]		240[#4]				70[#6]	70[#6]	240[#6]	240[#6]								
2-4m									0.5	310	NL			95	NL			110[#3]		440[#4]				110[#6]	110[#6]	440[#6]	440[#6]								
>4m									0.5	540	NL			170	NL			200[#3]		NL				200[#6]	200[#6]	NL	NL								

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type																																	
ExcMLP_V19	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	57	57	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V20	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V21	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V22	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V23	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V24	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V25	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V26	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V27	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V28	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	0.3	<0.5	<1	<1	<2	<3	4	-	0	240	240	130	130	<100	120	-		-		-	-	-	-	-	-	-
ExcMLP_V29	1	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V30	1	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V31	1.3	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V32	1.3	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V33	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	1	<0.5	7	<1	5	5	2	-	0	130	130	68	68	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V34	3	11/08/2014	Normal	-	-	-	-	-	-	-	-	0.2	<0.5	4	<1	<2	<3	<1	-	0	81	81	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
ExcMLP_V35	3	11/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/1		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/1 (DUP150)		28/08/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/2		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/2 (DUP151)		28/08/2014	Field_D	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/3		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/4		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/5		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	36	36	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-
LF5/6		28/08/2014	Normal	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-		-		-	-	-	-	-	-	-

Statistical Summary

Number of Results	113	113	113	113	158	113	113	113	306	306	307	212	213	248	228	32	135	181	180	180	180	180	180	146		146		145	145	134	110	110	110	110	110
Number of Detects	83	14	113	60	148	35	102	102	11	3	26	0	5	14	15	0	135	45	43	35	35	7	3	11		19		22	15	34	1	9	9	22	23
Minimum Concentration	<1	<0.4	5	<1	<1	0.06	<1	<1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<3	0	16	16	<50	<50	<100	<100	<1		<1		<1	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.2
Minimum Detect	1	0.6	5	1	3	0.06	1	1	0.2	1.4	1	ND	0.8	0.6	1.4	ND	4	16	16	51	51	760	120	8		52		10.6	34	50	0.1	0.1	0.2	0.1	0.2
Maximum Concentration	23	13	105	232	1300	0.8	95	529	2.7	25	130	<1	43	549	19	<3	686	720	720	1300	1300	30000	210	450		930		10105	689	10754	<0.5	2.9	3.4	17	27
Maximum Detect	23	13	105	232	1300	0.8	95	529	2.7	25	130	ND	43	549	19	ND	686	720	720	1300	1300	30000	210	450		930		10105	689	10754	0.1	2.9	3.4	17	27
Average Concentration	5	0.65	50	9.8	57	0.1	6.5	55	0.25	0.45	1.3	0.49	1.2	4.7	0.77	1.5	6.5	44	43	55	55	403	52	23		45		334	70	459	0.083	0.16	0.19	0.58	0.84
Median Concentration	4.8	0.5	47	1	16	0.05	5	13	0.1	0.25	0.5	0.5	1	1.5	0.5	1.5	0	12.5	12.5	25	25	50	50	12.5		25		50	50	125	0.05	0.05	0.05	0.05	0.1
Standard Deviation	3.8	1.2	23	26	140	0.13	9.6	110	0.31	1.4	7.6	0.045	2.9	36	1.6	0	60	91	92	121	121	2752	16	66		108		1272	105	1415	0.074	0.39	0.5	2.3	3.2
Number of Guideline Exceedances	0	0	2	0	10	0	0	0	92	0	106	0	0	1	81	0	0	28	0	15	0	0	0	6		5		0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	2	0	10	0	0	0	5	0	106	0	0	1	81	0	0	28	0	15	0	0	0	6		5		0	0	0	0	0	0	0	0

Env Stds Comments

#1:Level adopted from USEPA RSL Residential Soil (May 2018)
#2:Level adopted from USEPA RSL Residential Soil (May 2019)
#3:To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.
#4:To obtain F2 subtract naphthalene from the >C10 - C16 fraction.
#5:Not limiting: Derived soil HSL exceeds soil saturation concentration
#6: TRH F1 and F2 criteria has been adopted for TPH.

| | | |

				PAHs														Phenols		VOCs					OC Pesticides																	
				Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)											**300**				**300**	**3**	**3**			**3900**[#1]	**3800**[#1]		**24**[#1]			**0.086**[#1]	**0.039**[#1]	**0.3**[#1]				**1.9**[#1]		**0.034**[#1]			**380**[#2]	**10**	
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)											400				400	4	4			3900[#1]	3800[#1]		24[#1]			0.086[#1]	0.039[#1]	0.3[#1]				1.9[#1]		0.034[#1]			380[#2]	20	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																																								
0-1m												3																												
1-2m												NL																												
2-4m												NL																												
>4m												NL																												
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**																																						
BH26	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH26	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH27	0.8	31/05/2002	Normal	1	0.5	1	<0.5	3	<0.5	0.8	15	<0.5	3	2.4	-	-	2.115	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH28	0.3	31/05/2002	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH28	0.9	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH28 (DUP)	0.3	31/05/2002	Field_D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH29	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30	0.3	31/05/2002	Normal	0.8	<0.5	0.7	<0.5	1.8	<0.5	0.6	8.6	<0.5	1	1.6	-	-	1.652	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31	0.3	31/05/2002	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31 (DUP)	1	31/05/2002	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH33	0.5	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34	0.5	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH34	2	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35	0.3	31/05/2002	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH35	2	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH36	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH36	2	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP1	0.1	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP1	0.5	4/07/2006	Normal	2.1	0.8	2.6	0.2	5.8	<0.1	1	32.3	0.1	6.7	5.7	-	-	**3.314**	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP1	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2	0.5	4/07/2006	Normal	0.2	0.1	0.3	<0.1	0.5	<0.1	0.1	2.5	<0.1	0.2	0.5	-	-	0.414	-	-	<1	<1	<1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2	2	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3	0.5	4/07/2006	Normal	1.1	0.5	1.2	<0.1	2.6	0.1	0.7	13	<0.1	1.1	2.3	-	-	1.767	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3	3	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3 (QC2)	4	4/07/2006	Field_D	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4	0.5	4/07/2006	Normal	6.3	3	5.4	0.6	9	0.4	4.1	61.9	2.8	5	8.9	-	-	**9.724**	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4	1	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP5	0.1	4/07/2006	Normal	0.1	<0.1	0.2	<0.1	0.3	<0.1	<0.1	1.5	0.1	0.2	0.2	-	-	0.283	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP5	2	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP5	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6	0.5	4/07/2006	Normal	0.1	<0.1	0.2	<0.1	0.3	<0.1	<0.1	1.9	0.2	0.4	0.3	-	-	0.283	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6	3	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7	0.1	4/07/2006	Normal	0.2	<0.1	0.4	<0.1	0.5	<0.1	<0.1	2.3	<0.1	<0.1	0.5	-	-	0.425	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7	1	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7 (QC4)	4	4/07/2006	Interlab_D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	1.15	-	<1	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8	0.5	4/07/2006	Normal	6.9	3.1	7.1	0.6	15	0.8	3.7	81.3	0.3	9.6	15	-	-	**10.422**	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8	2	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	0.1	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	3	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	4	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10	0.1	4/07/2006	Normal	<0.05	<0.1	0.1	<0.1	0.1	<0.1	<0.1	0.4	<0.1	<0.1	0.2	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10	1	4/07/2006	Normal	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Appendix D
Table D2
Option 2 - Historical Soil Results

| | | | | PAHs | | | | | | | | | | | | | | Phenols | | VOCs | | | | | | OC Pesticides | | | | | | | | | | | | | |

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								OP Pesticides	MAH			PCBs		TPH
	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
	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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	**0.57[#1]**	**6**	**0.07[#1]**	**10**	**300**			**300[#1]**	**270[#1]**	**1900[#1]**		**1**	
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand													
0-1m													
1-2m													
2-4m													
>4m													

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type													
SE1	2-2.4	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE1	2-2.4	3/08/1995	Field_D	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE4	0-0.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE5	3.2-3.7	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE6	0.2-0.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE6	0.5-1	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE6	1.3-1.5	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SE7	0.2-0.4	3/08/1995	Normal	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
SS01		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SS03		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SS08		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SS16		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SS17		16/05/1996	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1	1.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3	2.35	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5	0.5	20/04/1998	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	<0.5
BH6	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH8	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH11	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH12	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH13	0.35	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13	2.35	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH18	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH19	1.5	20/04/1998	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-
BH19	4.3	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	<1	-	<0.5
BH21	1.8	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21	2.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH23	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH23	1.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH23 (DUP)	1.5	20/04/1998	Field_D	-	-	-	-	-	-	-	-	-	-	<1	-	-
BH24	0.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24	1	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24	1.5	20/04/1998	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUP)	1	20/04/1998	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUPa)	1.5	20/04/1998	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25	1	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25 (DUP)	0.3	31/05/2002	Field_D	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25 (DUPa)	0.3	31/05/2002	Interlab_D	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-

								OP Pesticides	MAH			PCBs		TPH
				g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
				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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)				**0.57[#1]**	**6**	**0.07[#1]**	**10**	**300**			**300[#1]**	**270[#1]**	**1900[#1]**		**1**	
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)				0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																
0-1m																
1-2m																
2-4m																
>4m																
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**													
BH26	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH26	1	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH27	0.8	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH28	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH28	0.9	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH28 (DUP)	0.3	31/05/2002	Field_D	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH29	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31	0.3	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31	1	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31 (DUP)	1	31/05/2002	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH33	0.5	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34	0.5	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH34	2	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH35	2	31/05/2002	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH36	0.3	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH36	2	31/05/2002	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
TP1	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP1	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP1	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP2	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP2	2	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP2	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP3	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP3	3	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP3	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP3 (QC2)	4	4/07/2006	Field_D	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP4	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP4	1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP4	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP5	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP5	2	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP5	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP6	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP6	3	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP6	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP7	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP7	1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP7	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP7 (QC4)	4	4/07/2006	Interlab_D	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	-	-	-
TP8	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP8	2	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP8	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP9	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP9	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	3	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP9	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP10	0.1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP10	1	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-

								OP Pesticides	MAH			PCBs		TPH
			g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
			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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)			**0.57[#1]**	**6**	**0.07[#1]**	**10**	**300**			**300[#1]**	**270[#1]**	**1900[#1]**		**1**	
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)			0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand															
0-1m															
1-2m															
2-4m															
>4m															
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**												
TP10	3.2	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP11	0.5	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP11	1	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11	2	4/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11	3	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP11	4	4/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP12	0.1	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP12	2	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP12	3	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP12 (QC8)	3	5/07/2006	Field_D	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP13	0.5	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP13	1	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP13	3	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP14	0.5	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP14	2	5/07/2006	Normal	-	-	-	-	-	-	-	12	2.4	<1	-	-	-
TP14	4	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP14 (QC9)	2	5/07/2006	Interlab_D	-	-	-	-	-	-	-	41.7	13.2	1.8	-	-	-
TP19	0.5	5/07/2006	Normal	-	-	-	-	-	-	-	<1	1.2	<1	-	-	-
TP19	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19	2	5/07/2006	Normal	-	-	-	-	-	-	-	4	1.2	<1	-	-	-
TP19	3	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19	4	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP20	0.1	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP20	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20	2	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20	3	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP20	4	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP20 (QC13)	4	5/07/2006	Interlab_D	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	-	-	-
TP21	0.5	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP21	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21	2	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21	3	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP21	4	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP22	0.1	5/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP22	1	5/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP22	2	5/07/2006	Normal	-	-	-	-	-	-	-	43	12	<1	-	-	-
TP22	3.6	5/07/2006	Normal	-	-	-	-	-	-	-	3.5	<1	<1	-	-	-
TP27	0.5	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP27	1	6/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27	2	6/07/2006	Normal	-	-	-	-	-	-	-	260	79	8.3	-	-	-
TP27	3	6/07/2006	Normal	-	-	-	-	-	-	-	51	16	1.5	-	-	-
TP27	4	6/07/2006	Normal	-	-	-	-	-	-	-	3.9	1.3	<1	-	-	-
TP28	0.1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP28	1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP28	2	6/07/2006	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28	3	6/07/2006	Normal	-	-	-	-	-	-	-	1.9	<1	<1	-	-	-
TP28	4	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP28 (QC21)	3	6/07/2006	Interlab_D	-	-	-	-	-	-	-	2	<0.5	<0.5	-	-	-
TP30	0.5	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP30	1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	<1	-
TP30	2	6/07/2006	Normal	-	-	-	-	-	-	-	15	3.4	<1	-	-	-
TP30	4	6/07/2006	Normal	-	-	-	-	-	-	-	6.9	2.3	<1	-	-	-
TP31	0.1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP31	1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-

								OP Pesticides	MAH			PCBs		TPH
							g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
							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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)							**0.57[#1]**	**6**	**0.07[#1]**	**10**	**300**			**300[#1]**	**270[#1]**	**1900[#1]**		**1**	
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)							0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																			
0-1m																			
1-2m																			
2-4m																			
>4m																			
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**																
TP31	3	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP31	3.5	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP32	0.1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP32	1	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP32	3	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP32	3.5	6/07/2006	Normal	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
TP32 (QC24)	3.5	6/07/2006	Field_D	-	-	-	-	-	-	-	<1	<1	<1	-	-	-
BH1	0.3-0.5	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2	2-2.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2	3-3.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4	0.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5	1.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6	1.8-2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6	2.8-3	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7	2-2.2	17/04/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V01	1.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V02	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V03	4.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V04	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V05	3.7	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V06	3	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V08	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V09	1.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V10	3.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V11	1.7	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V12	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V13	1.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V14	3.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V15	2.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V17	1.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V18	3.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V19	1.4	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V20	2.9	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V21	1.2	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V22	2.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V23	1.5	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V24	2.8	15/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V04 (DUP201)	2.9	19/05/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V06 (DUP103)	3	22/05/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V07	1.8	23/05/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V12 (DUP102)	3.5	29/05/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V14 (DUP101)	3.5	1/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V16	3.2	3/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V16 (DUP200)	3.2	4/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1	1-1.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH1	2.2-2.4	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH2	1-1.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH2	2-2.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH3	1-1.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH3	2.2-2.4	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH4	1-1.2	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-

								OP Pesticides	MAH			PCBs		TPH
							g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
							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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)							**0.57[#1]**	**6**	**0.07[#1]**	**10**	**300**			**300[#1]**	**270[#1]**	**1900[#1]**		**1**	
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)							0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																			
0-1m																			
1-2m																			
2-4m																			
>4m																			
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**																
BH4	2.3-2.5	13/06/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH5	0.8-1	2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH5	1.3-1.4	2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH6	0.8-1	2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH6	1.3-1.5	2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA1		2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA2		2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA3		2/07/2014	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
Exc1_VA1	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA10	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA11	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA11 (DUP111)	2.5	13/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA12	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA12 (DUP210)	2.5	13/06/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA13	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA14	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA2	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA3	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA4	2.5	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA4 (DUP110)	2.5	13/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA5	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA6	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA7	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA8	2	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA9	1	13/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA15	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA16	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA17	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA18	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA18 (DUP112)	2.5	16/06/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA19	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA20	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA21	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA22	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA23	2.5	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA23 (DUP211)	2.5	16/06/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA24	1	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA25	2	16/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA26	1	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA27	2	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA28	1	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA29	2	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA30	2.5	17/06/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/5		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/6		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/5		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-

								OP Pesticides	MAH			PCBs		TPH
	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
	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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	**0.57[#1]**	**6**	**0.07[#1]**	**10**	**300**			**300[#1]**	**270[#1]**	**1900[#1]**		**1**	
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)	0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand													
0-1m													
1-2m													
2-4m													
>4m													

Location_Code	Sample_Depth_Range	Sampled_Date_Time	Sample_Type													
LF4/6		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/1		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/2		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/3		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/4		11/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/1		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/2		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/3		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/4		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/5		21/07/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP130)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP230)		5/08/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/10		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/11		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/12		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13 (DUP132)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/14		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/15		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/16		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/2		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/3		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/4		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/5		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/6		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP131)		5/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP231)		5/08/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/8		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/9		5/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP140)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP230)	3	8/08/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V02	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V03	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V04	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V05	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP141)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP231)	3	8/08/2014	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V07	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V07 (DUP142)	3	8/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V08	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V09	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V10	3	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V11	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V12	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V13	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V14	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V15	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V16	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V17	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V18	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-

								OP Pesticides	MAH			PCBs		TPH
							g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
							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
NEPM 2013 Table 1A(1) HIL A Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)							**0.57[#1]**	**6**	**0.07[#1]**	**10**	**300**			**300[#1]**	**270[#1]**	**1900[#1]**		**1**	
NEPM 2013 Table 1A(1) HIL B Res (w/ USEPA THQ1.0 RSL Res Soil - Nov 2019)							0.57[#1]	10	0.07[#1]	15	500			300[#1]	270[#1]	1900[#1]		1	
NEPM 2013 Table 1A(3) HSL A/B Res Soil for Vapour Intrusion, Sand																			
0-1m																			
1-2m																			
2-4m																			
>4m																			
Location_Code	**Sample_Depth_Range**	**Sampled_Date_Time**	**Sample_Type**																
ExcMLP_V19	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V20	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V21	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V22	1.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V23	2.5	8/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V24	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V25	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V26	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V27	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V28	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V29	1	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V30	1	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V31	1.3	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V32	1.3	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V33	1.5	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V34	3	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V35	3	11/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1 (DUP150)		28/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2 (DUP151)		28/08/2014	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/3		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/4		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/5		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/6		28/08/2014	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Statistical Summary

Number of Results	31	31	31	31	31	16	16	81	81	81	47	1	2	
Number of Detects	0	0	0	0	0	0	0	12	10	3	0	0	0	
Minimum Concentration	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<1	<0.5	
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	1.9	1.2	1.5	ND	ND	ND	
Maximum Concentration	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	260	79	8.3	<1	<1	<0.5	
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	260	79	8.3	ND	ND	ND	
Average Concentration	0.05	0.05	0.05	0.05	0.05	0.05	0.05	5.9	2.1	0.62	0.31			
Median Concentration	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.5	0.5	0.5	0.5	0.25	
Standard Deviation	0	0	0	0	0	0	0	30	9	0.88	0.2			
Number of Guideline Exceedances	0	0	31	0	0	0	0	0	0	0	0	0	0	
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0	

Env Stds Comments

#1:Level adopted from USEPA RSL Residential Soil (May 2018)
#2:Level adopted from USEPA RSL Residential Soil (May 2019)
#3:To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.
#4:To obtain F2 subtract naphthalene from the >C10 - C16 fraction.
#5:Not limiting: Derived soil HSL exceeds soil saturation concentration
#6: TRH F1 and F2 criteria has been adopted for TPH.

	BTEXN									TRH - NEPM 2013						TRH - NEPM 1999					PAHs											
	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene
	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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil											**700**[R1]		**1000**[R1]	**2500**	**10000**	**700**	**1000**	**2500**	**1000**													
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																												
DUP__2-2.4	SE1	2-2.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	1002	49	1051	-	-	-	-	-	-	-	-	-	-
SE1__2-2.4	SE1	2-2.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	1654	85	1738	-	-	-	-	-	-	-	-	-	-
SE4__0-0.5	SE4	0-0.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-
SE5__3.2-3.7	SE5	3.2-3.7	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	1157	34	1191	-	-	-	-	-	-	-	-	-	-
SE6__0.2-0.5	SE6	0.2-0.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	**2552**	183	2736	-	-	-	-	-	-	-	-	-	-
SE6__0.5-1	SE6	0.5-1	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	**7281**	689	7969	-	-	-	-	-	-	-	-	-	-
SE6__1.3-1.5	SE6	1.3-1.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	**5632**	666	6298	-	-	-	-	-	-	-	-	-	-
SE7__0.2-0.4	SE7	0.2-0.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	**10,105**	648	10,754	-	-	-	-	-	-	-	-	-	-
SS01__-	SS01		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS03__-	SS03		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS08__-	SS08		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15__-	SS15		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS16__-	SS16		16/05/1996	WWC 1996	-	-	1	-	0.8	-	-	-	-	-	-	-	-	-	-	35	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS17__-	SS17		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_20 Apr 98_0.5-	BH1	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_20 Apr 98_1.5-	BH1	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2_20 Apr 98_0.5-	BH2	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3_20 Apr 98_0.5-	BH3	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3_20 Apr 98_2.35-	BH3	2.35	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4_20 Apr 98_0.5-	BH4	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_20 Apr 98_0.5-	BH5	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH6_20 Apr 98_0.5-	BH6	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7_20 Apr 98_0.5-	BH7	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH8_20 Apr 98_0.5-	BH8	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9_20 Apr 98_0.5-	BH9	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_20 Apr 98_0.5-	BH10	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_20 Apr 98_0.5-	BH11	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_20 Apr 98_0.5-	BH12	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_0.35-	BH13	0.35	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_0.5-	BH13	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_2.35-	BH13	2.35	20/04/1998	PPK 1998	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-
BH14_20 Apr 98_0.5-	BH14	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_20 Apr 98_0.5-	BH15	0.5	20/04/1998	PPK 1998	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-
BH16_20 Apr 98_0.5-	BH16	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_20 Apr 98_0.5-	BH17	0.5	20/04/1998	PPK 1998	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH18_20 Apr 98_0.5-	BH18	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH19_20 Apr 98_1.5-	BH19	1.5	20/04/1998	PPK 1998	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	542	373	915	-	-	-	-	-	-	-	-	-	-
BH19_20 Apr 98_4.3-	BH19	4.3	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21_20 Apr 98_0.5-	BH21	0.5	20/04/1998	PPK 1998	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	109	10.6	535	654.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
BH21_20 Apr 98_1.8-	BH21	1.8	20/04/1998	PPK 1998	<0.2	<1	<1	<1	<2	-	-	<3	0	-	-	-	-	-	-	<2	66	**6570**	325	6961	-	-	-	-	-	-	-	-	-	-
BH21_20 Apr 98_2.5-	BH21	2.5	20/04/1998	PPK 1998	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	1870	<50	1870	-	-	-	-	-	-	-	-	-	-
BH22_20 Apr 98_0.5-	BH22	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	0.7	1	0.8	<0.5	0.7	<0.5	<0.5
BH23_20 Apr 98_0.5-	BH23	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH23_20 Apr 98_1.5-	BH23	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH23 (DUP)_20 Apr 98_1.5-	BH23 (DUP)	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_0.5-	BH24	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_1-	BH24	1	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_1.5-	BH24	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUP)_20 Apr 98_1-	BH24 (DUP)	1	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUPa)_20 Apr 98_1.5-	BH24 (DUPa)	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25_31 May 02_0.3-	BH25	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	500	200	700	<0.5	2.6	3.4	17	27	17	9	14	2	26	<0.5	12
BH25_31 May 02_1-	BH25	1	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH25 (DUP)_31 May 02_0.3-	BH25 (DUP)	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	200	120	320	<0.5	0.6	0.7	4	7	4.4	2.2	3.6	0.7	6.4	<0.5	3.2
BH25 (DUPa)_31 May 02_0.3-	BH25 (DUPa)	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	331	221	552	<0.5	2.9	2.9	15.1	16	10.2	5.2	12.4	1.7	20.3	<0.5	5
BH26_31 May 02_0.3-	BH26	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH26_31 May 02_1-	BH26	1	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH27_31 May 02_0.8-	BH27	0.8	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	0.5	0.5	1.2	2	1	0.5	1	<0.5	3	<0.5	0.8
BH28_31 May 02_0.3-	BH28	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH28_31 May 02_0.9-	BH28	0.9	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH28 (DUP)_31 May 02_0.3-	BH28 (DUP)	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH29_31 May 02_0.3-	BH29	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH29_31 May 02_1-	BH29	1	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-

	BTEXN									TRH - NEPM 2013						TRH - NEPM 1999					PAHs										
	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene
	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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil											700[#1]		1000[#1]	2500	10000	700	1000	2500	1000													
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																											
BH30_31 May 02_0.3-	BH30	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	0.8	1	0.8	<0.5	0.7	<0.5	1.8	<0.5	0.6
BH30_31 May 02_1-	BH30	1	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	120	<50	120	-	-	-	-	-	-	-	-	-	-	-	-
BH31_31 May 02_0.3-	BH31	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH31_31 May 02_1-	BH31	1	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH31 (DUP)_31 May 02_1-	BH31 (DUP)	1	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH32_31 May 02_0.3-	BH32	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	120	70	190	-	-	-	-	-	-	-	-	-	-	-	-
BH33_31 May 02_0.5-	BH33	0.5	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH34_31 May 02_0.5-	BH34	0.5	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH34_31 May 02_2-	BH34	2	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH35_31 May 02_0.3-	BH35	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	50	50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH35_31 May 02_2-	BH35	2	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH36_31 May 02_0.3-	BH36	0.3	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
BH36_31 May 02_2-	BH36	2	31/05/2002	PPK 2002	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-	-	-	-	-	-	-	-
TP1_04 Jul 06_0.1-	TP1	0.1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP1_04 Jul 06_0.5-	TP1	0.5	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	400	<100	400	<0.1	0.5	1.2	2.4	3.2	2.1	0.8	2.6	0.2	5.8	<0.1	1
TP1_04 Jul 06_4-	TP1	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP2_04 Jul 06_0.5-	TP2	0.5	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.4	0.2	0.1	0.3	<0.1	0.5	<0.1	0.1
TP2_04 Jul 06_2-	TP2	2	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP2_04 Jul 06_4-	TP2	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP3_04 Jul 06_0.5-	TP3	0.5	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	0.2	0.3	1	1.9	1.1	0.5	1.2	<0.1	2.6	0.1	0.7
TP3_04 Jul 06_3-	TP3	3	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP3_04 Jul 06_4-	TP3	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP3 (QC2)_04 Jul 06_4-	TP3 (QC2)	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP4_04 Jul 06_0.5-	TP4	0.5	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	320	<100	320	<0.1	0.9	1.3	5.1	9.1	6.3	3	5.4	0.6	9	0.4	4.1
TP4_04 Jul 06_1-	TP4	1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP4_04 Jul 06_4-	TP4	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	380	930	<100	<100	930	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP5_04 Jul 06_0.1-	TP5	0.1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3	0.1	<0.1	0.2	<0.1	0.3	<0.1	<0.1
TP5_04 Jul 06_2-	TP5	2	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP5_04 Jul 06_4-	TP5	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP6_04 Jul 06_0.5-	TP6	0.5	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3	0.1	<0.1	0.2	<0.1	0.3	<0.1	<0.1
TP6_04 Jul 06_3-	TP6	3	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP6_04 Jul 06_4-	TP6	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP7_04 Jul 06_0.1-	TP7	0.1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.3	0.4	0.2	<0.1	0.4	<0.1	0.5	<0.1	<0.1
TP7_04 Jul 06_1-	TP7	1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP7_04 Jul 06_4-	TP7	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	84	<100	<100	84	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP7 (QC4)_04 Jul 06_4-	TP7 (QC4)	4	4/07/2006	GHD 2006	<0.5	<0.5	<0.5	-	-	<3	<0.5	-	-	-	-	-	-	-	-	-	19	<50	<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP8_04 Jul 06_0.5-	TP8	0.5	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	290	<100	290	0.1	1.1	2.5	6.5	9	6.9	3.1	7.1	0.6	15	0.8	3.7
TP8_04 Jul 06_2-	TP8	2	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP8_04 Jul 06_4-	TP8	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP9_04 Jul 06_0.1-	TP9	0.1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP9_04 Jul 06_1-	TP9	1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP9_04 Jul 06_2-	TP9	2	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP9_04 Jul 06_3-	TP9	3	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP9_04 Jul 06_4-	TP9	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP10_04 Jul 06_0.1-	TP10	0.1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	0.1	<0.1	0.1	<0.1	<0.1
TP10_04 Jul 06_1-	TP10	1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP10_04 Jul 06_3.2-	TP10	3.2	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	640	1600	<100	2240	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP11_04 Jul 06_0.5-	TP11	0.5	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	0.1	0.2	1.1	2	1.1	0.6	1.4	<0.1	2.5	<0.1	0.8
TP11_04 Jul 06_1-	TP11	1	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP11_04 Jul 06_2-	TP11	2	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP11_04 Jul 06_3-	TP11	3	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP11_04 Jul 06_4-	TP11	4	4/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	350	<100	<100	350	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP12_05 Jul 06_0.1-	TP12	0.1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP12_05 Jul 06_2-	TP12	2	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	98	<100	<100	98	<0.1	<0.1	<0.1	0.2	0.3	0.1	<0.1	0.3	<0.1	0.4	<0.1	<0.1
TP12_05 Jul 06_3-	TP12	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	<0.2	0.1	0.1	0.2	<0.1	0.3	<0.1	0.1
TP12 (QC8)_05 Jul 06_3-	TP12 (QC8)	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3	0.1	0.1	0.2	<0.1	0.4	<0.1	<0.1
TP13_05 Jul 06_0.5-	TP13	0.5	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	0.05	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
TP13_05 Jul 06_1-	TP13	1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	290	<100	290	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP13_05 Jul 06_3-	TP13	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP14_05 Jul 06_0.5-	TP14	0.5	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	0.2	0.08	<0.1	0.1	<0.1	0.2	<0.1	<0.1
TP14_05 Jul 06_2-	TP14	2	5/07/2006	GHD 2006	<1	<1	3.7	-	-	19.3	2.8	-	-	-	-	-	-	-	-	-	<25	93	<100	<100	93	<0.1	<0.1	<0.1	<0.1	0.2	0.1	<0.1	0.2	<0.1	0.2	<0.1	0.1
TP14_05 Jul 06_4-	TP14	4	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

					BTEXN									TRH - NEPM 2013						TRH - NEPM 1999					PAHs											
					Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil															**700**[#1]		**1000**[#1]	**2500**	**10000**	**700**	**1000**	**2500**	**1000**												
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																															
TP14 (QC9)_05 Jul 06_2-	TP14 (QC9)	2	5/07/2006	GHD 2006	1.4	<0.5	13.6	-	-	68.8	5	-	-	-	-	-	-	-	-	274	130	<100	<100	130	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP15_05 Jul 06_0.1-	TP15	0.1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	760	<100	760	<0.1	0.2	0.1	0.3	0.5	0.2	0.2	0.4	<0.1	0.8	<0.1	0.1
TP15_05 Jul 06_1-	TP15	1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP15_05 Jul 06_2-	TP15	2	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	2.2	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
TP15_05 Jul 06_3-	TP15	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP15_05 Jul 06_4-	TP15	4	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	2.3	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
TP16_05 Jul 06_0.5-	TP16	0.5	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.2	0.1	<0.1	0.2	<0.1	0.3	<0.1	<0.1
TP16_05 Jul 06_2-	TP16	2	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	53	140	<100	193	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP16_05 Jul 06_3.5-	TP16	3.5	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP17_05 Jul 06_1-	TP17	1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.4	0.2	0.2	0.3	<0.1	0.3	<0.1	0.2
TP17_05 Jul 06_2-	TP17	2	5/07/2006	GHD 2006	<1	<1	1.5	-	-	<3	5.7	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP17_05 Jul 06_3-	TP17	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP17_05 Jul 06_3.8-	TP17	3.8	5/07/2006	GHD 2006	<1	<1	2.5	-	-	3.5	5.5	-	-	-	-	-	-	-	-	<25	57	<100	<100	57	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP18_05 Jul 06_0.1-	TP18	0.1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP18_05 Jul 06_1-	TP18	1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP18_05 Jul 06_2-	TP18	2	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	1.9	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP18_05 Jul 06_3-	TP18	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP18_05 Jul 06_4-	TP18	4	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP19_05 Jul 06_0.5-	TP19	0.5	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP19_05 Jul 06_1-	TP19	1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP19_05 Jul 06_2-	TP19	2	5/07/2006	GHD 2006	<1	<1	1.8	-	-	3.9	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP19_05 Jul 06_3-	TP19	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP19_05 Jul 06_4-	TP19	4	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP20 _05 Jul 06_0.1-	TP20	0.1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP20 _05 Jul 06_1-	TP20	1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP20 _05 Jul 06_2-	TP20	2	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP20 _05 Jul 06_3-	TP20	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP20 _05 Jul 06_4-	TP20	4	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP20 (QC13)_05 Jul 06_4-	TP20 (QC13)	4	5/07/2006	GHD 2006	<0.5	<0.5	<0.5	-	-	<3	<0.5	-	-	-	-	-	-	-	-	<2	<50	<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP21 _05 Jul 06_0.5-	TP21	0.5	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP21 _05 Jul 06_1-	TP21	1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP21 _05 Jul 06_2-	TP21	2	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP21 _05 Jul 06_3-	TP21	3	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	95	520	360	<100	880	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	0.4	<0.1
TP21 _05 Jul 06_4-	TP21	4	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP22 _05 Jul 06_0.1-	TP22	0.1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP22 _05 Jul 06_1-	TP22	1	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP22 _05 Jul 06_2-	TP22	2	5/07/2006	GHD 2006	<1	<1	6.1	-	-	47.2	6.7	-	-	-	-	-	-	-	-	48	52	<100	<100	52	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP22 _05 Jul 06_3.6-	TP22	3.6	5/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP23 (QC16)_05 Jul 06_4-	TP23 (QC16)	4	5/07/2006	GHD 2006	<1	<1	<1	-	-	2.9	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP23_06 Jul 06_0.5-	TP23	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	0.05	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
TP23_06 Jul 06_1-	TP23	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP23_06 Jul 06_2-	TP23	2	6/07/2006	GHD 2006	<1	19	26	-	-	160	10	-	-	-	-	-	-	-	-	160	110	<100	<100	110	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP23_06 Jul 06_4-	TP23	4	6/07/2006	GHD 2006	1.5	15	16	-	-	81	5.4	-	-	-	-	-	-	-	-	200	78	<100	<100	78	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP24_06 Jul 06_0.5-	TP24	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	0.06	<0.1	0.1	<0.1	0.2	<0.1	<0.1
TP24_06 Jul 06_1-	TP24	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	0.1	0.6	1.2	2	1.3	0.6	1.2	0.1	4.1	<0.1	0.7
TP24_06 Jul 06_2-	TP24	2	6/07/2006	GHD 2006	11	39	120	-	-	432	34	-	602	-	-	-	-	-	-	**1200**	**2500**	290	<100	2790	0.2	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP24_06 Jul 06_3-	TP24	3	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP24_06 Jul 06_4-	TP24	4	6/07/2006	GHD 2006	<1	<1	2.1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP24 (QC17)_06 Jul 06_3-	TP24 (QC17)	3	6/07/2006	GHD 2006	<1	<1	1.7	-	-	13.1	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP25_06 Jul 06_0.5-	TP25	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	0.1	0.3	0.6	0.3	0.2	0.4	<0.1	0.6	<0.1	0.2
TP25_06 Jul 06_1-	TP25	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP25_06 Jul 06_2-	TP25	2	6/07/2006	GHD 2006	2.9	250	170	-	-	840	27	-	-	-	-	-	-	-	-	440	110	<100	<100	110	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP25_06 Jul 06_3-	TP25	3	6/07/2006	GHD 2006	<1	9.2	6.1	-	-	30.7	-	-	-	-	-	-	-	-	-	61	170	<100	<100	170	-	-	-	-	-	-	-	-	-	-	-	-
TP25_06 Jul 06_4-	TP25	4	6/07/2006	GHD 2006	<1	2.8	<1	-	-	5.1	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP25 (QC18)_06 Jul 06_2-	TP25 (QC18)	2	6/07/2006	GHD 2006	<0.5	7.3	6.5	-	-	39.1	<0.5	-	-	-	-	-	-	-	-	133	<50	<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP26 _06 Jul 06_0.5-	TP26	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP26 _06 Jul 06_1-	TP26	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP26 _06 Jul 06_2-	TP26	2	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP26 _06 Jul 06_3-	TP26	3	6/07/2006	GHD 2006	1.8	3.3	36	-	-	92.4	16	-	133.5	-	-	-	-	-	-	**950**	760	120	<100	880	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP26 _06 Jul 06_4-	TP26	4	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP26 (QC19)_06 Jul 06_1-	TP26 (QC19)	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP27_06 Jul 06_0.5-	TP27	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	0.05	<0.1	0.1	<0.1	0.2	<0.1	<0.1

					BTEXN									TRH - NEPM 2013						TRH - NEPM 1999					PAHs											
					Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b&k)fluoranthene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil															**700**[#1]		**1000**[#1]	**2500**	**10000**	**700**	**1000**	**2500**	**1000**												
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																															
TP27_06 Jul 06_1-	TP27	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-
TP27_06 Jul 06_2-	TP27	2	6/07/2006	GHD 2006	2.6	4.4	130	-	-	549	19	-	686	-	-	-	-	-	-	450	59	<100	<100	59	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP27_06 Jul 06_3-	TP27	3	6/07/2006	GHD 2006	2.6	25	19	-	-	91	13	-	137.6	-	-	-	-	-	-	140	200	<100	<100	200	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP27_06 Jul 06_4-	TP27	4	6/07/2006	GHD 2006	<1	1.4	1.7	-	-	8.3	1.4	-	-	-	-	-	-	-	-	<25	60	<100	<100	60	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP28_06 Jul 06_0.1-	TP28	0.1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	0.1	<0.1	0.1	<0.1	<0.1
TP28_06 Jul 06_1-	TP28	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.3	0.2	0.1	0.3	<0.1	0.4	<0.1	0.1
TP28_06 Jul 06_2-	TP28	2	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP28_06 Jul 06_3-	TP28	3	6/07/2006	GHD 2006	<1	<1	<1	-	-	2.3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP28_06 Jul 06_4-	TP28	4	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP28 (QC21)_06 Jul 06_3-	TP28 (QC21)	3	6/07/2006	GHD 2006	<0.5	<0.5	<0.5	-	-	0.6	<0.5	-	-	-	-	-	-	-	-	8	<50	<100	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP29 _06 Jul 06_0.5-	TP29	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.3	0.1	0.1	0.2	<0.1	0.3	<0.1	0.1
TP29 _06 Jul 06_1-	TP29	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	0.1	0.1	0.3	0.1	<0.1	0.2	<0.1	0.2	<0.1	<0.1
TP29 _06 Jul 06_2-	TP29	2	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP29 _06 Jul 06_3-	TP29	3	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP29 _06 Jul 06_4-	TP29	4	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP30 _06 Jul 06_0.5-	TP30	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.5	0.3	0.2	0.3	<0.1	0.4	<0.1	0.2
TP30 _06 Jul 06_1-	TP30	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3	0.1	0.1	0.2	<0.1	0.3	<0.1	0.1
TP30 _06 Jul 06_2-	TP30	2	6/07/2006	GHD 2006	2.7	<1	3	-	-	22	2.3	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	0.2	0.09	<0.1	0.1	<0.1	0.2	<0.1	0.1
TP30 _06 Jul 06_4-	TP30	4	6/07/2006	GHD 2006	<1	<1	2.2	-	-	5.9	3.3	-	-	-	-	-	-	-	-	<25	64	<100	<100	64	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP31 _06 Jul 06_0.1-	TP31	0.1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	0.1	<0.1	0.1	<0.1	<0.1
TP31 _06 Jul 06_1-	TP31	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP31 _06 Jul 06_3-	TP31	3	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP31 _06 Jul 06_3.5-	TP31	3.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP32_06 Jul 06_0.1-	TP32	0.1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP32_06 Jul 06_1-	TP32	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP32_06 Jul 06_3-	TP32	3	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP32_06 Jul 06_3.5-	TP32	3.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP32 (QC24)_06 Jul 06_3.5-	TP32 (QC24)	3.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	1.6	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP33_06 Jul 06_0.5-	TP33	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	0.1	1	1.2	1.6	1	0.4	1	0.1	3.4	<0.1	0.5
TP33_06 Jul 06_1-	TP33	1	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP33_06 Jul 06_2-	TP33	2	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-	-	-	-	-	-	-	-
TP33_06 Jul 06_3-	TP33	3	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP33_06 Jul 06_4-	TP33	4	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP33 (QC25)_06 Jul 06_3-	TP33 (QC25)	3	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP34 _06 Jul 06_0.5-	TP34	0.5	6/07/2006	GHD 2006	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	0.1	<0.1	<0.2	<0.05	<0.1	0.1	<0.1	0.2	<0.1	<0.1
TP34 _06 Jul 06_1-	TP34	1	6/07/2006	GHD 2006	<1	<1	1.1	-	-	7.1	2.1	-	-	-	-	-	-	-	-	30	150	<100	<100	150	<0.1	0.5	0.6	2.2	4.2	2.7	1.4	2.2	0.3	3.9	0.1	1.6
TP34 _06 Jul 06_2-	TP34	2	6/07/2006	GHD 2006	12	<1	3.6	-	-	7.1	35	-	22.7	-	-	-	-	-	-	**1900**	**1600**	150	<100	1750	<0.1	0.3	0.6	0.4	0.8	0.4	0.3	0.5	<0.1	1.3	1	0.3
TP34 _06 Jul 06_3-	TP34	3	6/07/2006	GHD 2006	3.8	<1	1.9	-	-	3.7	11	-	-	-	-	-	-	-	-	220	590	<100	<100	590	<0.1	<0.1	<0.1	0.2	0.4	0.2	0.2	0.2	<0.1	0.5	0.1	0.2
TP34 _06 Jul 06_4-	TP34	4	6/07/2006	GHD 2006	10	1.2	3	-	-	4.7	7.2	-	-	-	-	-	-	-	-	430	710	<100	<100	710	<0.1	0.9	0.7	2	3	2	0.9	1.8	0.2	4.7	0.4	1.1
TP34 (QC26)_06 Jul 06_2-	TP34 (QC26)	2	6/07/2006	GHD 2006	11	1.6	6.9	-	-	38.4	24	-	57.9	-	-	-	-	-	-	**1200**	**1900**	160	<100	2060	<0.1	0.4	0.5	0.5	1.1	0.6	0.5	0.6	0.1	1.3	1.1	0.6
SB26__0.4-0.5	SB26	0.4-0.5	1/07/2009	Coffey 2009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	-	-	-	-	-	-
SB30__0.4-0.5	SB30	0.4-0.5	1/07/2009	Coffey 2009	4.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB32__1.4-1.5	SB32	1.4-1.5	1/07/2009	Coffey 2009	-	-	26	-	-	89	-	-	-	-	-	-	-	-	-	670	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_17 Apr 14_0.3-0.5	BH1	0.3-0.5	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2_17 Apr 14_2-2.2	BH2	2-2.2	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2_17 Apr 14_3-3.2	BH2	3-3.2	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	420	420	160	160	<100	<100	340	250	<11	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3_17 Apr 14_2.8-3	BH3	2.8-3	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4_17 Apr 14_0.8-2	BH4	0.8-2	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4_17 Apr 14_2.8-3	BH4	2.8-3	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_17 Apr 14_1.8-2	BH5	1.8-2	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_17 Apr 14_2.8-3	BH5	2.8-3	17/04/2014	Golder 2014 (20)	<0.2	<0.5	17	<1	43	-	-	-	-	380	440	170	170	<100	<100	350	280	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6_17 Apr 14_1.8-2	BH6	1.8-2	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6_17 Apr 14_2.8-3	BH6	2.8-3	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	51	51	<100	<100	<25	99	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7_17 Apr 14_2-2.2	BH7	2-2.2	17/04/2014	Golder 2014 (20)	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V01_15 May 14_1.2-	Exc2_V01	1.2	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V02_16 May 14_2.9-	Exc2_V02	2.9	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V03_17 May 14_4.5-	Exc2_V03	4.5	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V04_18 May 14_2.9-	Exc2_V04	2.9	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	37	37	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V05_20 May 14_3.7-	Exc2_V05	3.7	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V06_21 May 14_3-	Exc2_V06	3	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	71	71	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V08_24 May 14_3.5-	Exc2_V08	3.5	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	44	44	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V09_25 May 14_1.8-	Exc2_V09	1.8	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	BTEXN									TRH - NEPM 2013						TRH - NEPM 1999					PAHs											
	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b&k)fluoranthene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene
	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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil											**700[#1]**		**1000[#1]**	**2500**	**10000**	**700**	**1000**	**2500**	**1000**													

SampleCode	Location_Code	Sample_Depth_Range	Sampled_Date_Time	SampleComments																												
Exc2_V10_26 May 14_3.4-	Exc2_V10	3.4	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V11_27 May 14_1.7-	Exc2_V11	1.7	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V12_28 May 14_3.5-	Exc2_V12	3.5	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V13_30 May 14_1.8-	Exc2_V13	1.8	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V14_31 May 14_3.5-	Exc2_V14	3.5	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V15_02 Jun 14_2.2-	Exc2_V15	2.2	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V17_05 Jun 14_1.5-	Exc2_V17	1.5	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V18_06 Jun 14_3.4-	Exc2_V18	3.4	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V19_07 Jun 14_1.4-	Exc2_V19	1.4	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V20_08 Jun 14_2.9-	Exc2_V20	2.9	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V21_09 Jun 14_1.2-	Exc2_V21	1.2	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V22_10 Jun 14_2.5-	Exc2_V22	2.5	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V23_11 Jun 14_1.5-	Exc2_V23	1.5	15/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V24_12 Jun 14_2.8-	Exc2_V24	2.8	15/05/2014	Golder 2015	<0.2	<0.5	2	<1	3	3	2	-	5	70	70	140	140	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V04 (DUP201)_19 May 14_2.9-	Exc2_V04 (DUP201)	2.9	19/05/2014	Golder 2015	<0.2	<0.5	<1	<0.5	<0.5	<0.5	-	-	-	16	16	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V06 (DUP103)_22 May 14_3-	Exc2_V06 (DUP103)	3	22/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V07_23 May 14_1.8-	Exc2_V07	1.8	23/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V12 (DUP102)_29 May 14_3.5-	Exc2_V12 (DUP102)	3.5	29/05/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V14 (DUP101)_01 Jun 14_3.5-	Exc2_V14 (DUP101)	3.5	1/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V16_03 Jun 14_3.2-	Exc2_V16	3.2	3/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	57	57	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V16 (DUP200)_04 Jun 14_3.2-	Exc2_V16 (DUP200)	3.2	4/06/2014	Golder 2015	<0.2	<0.5	<1	<0.5	<0.5	<0.5	-	-	-	21	21	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_13 Jun 14_1-1.2	BH1	1-1.2	13/06/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH1_13 Jun 14_2.2-2.4	BH1	2.2-2.4	13/06/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	51	51	1800	<100	<25	<50	1800	130	1930	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH2_13 Jun 14_1-1.2	BH2	1-1.2	13/06/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH2_13 Jun 14_2-2.2	BH2	2-2.2	13/06/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH3_13 Jun 14_1-1.2	BH3	1-1.2	13/06/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH3_13 Jun 14_2.2-2.4	BH3	2.2-2.4	13/06/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH4_13 Jun 14_1-1.2	BH4	1-1.2	13/06/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	760	<100	<25	<50	680	<100	680	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH4_13 Jun 14_2.3-2.5	BH4	2.3-2.5	13/06/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	1300	<100	<25	<50	1200	130	1330	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Exc1_VA1_13 Jun 14_2-	Exc1_VA1	2	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA10_13 Jun 14_2-	Exc1_VA10	2	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	44	44	130	130	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA11_13 Jun 14_2.5-	Exc1_VA11	2.5	13/06/2014	Golder 2015	<0.2	<0.5	4	<1	<2	<3	<1	-	4	190	190	83	83	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA11 (DUP111)_13 Jun 14_2.5-	Exc1_VA11 (DUP111)	2.5	13/06/2014	Golder 2015	<0.2	<0.5	3	<1	<2	<3	-	-	-	230	230	91	93	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA12_13 Jun 14_2.5-	Exc1_VA12	2.5	13/06/2014	Golder 2015	<0.2	<0.5	6	<1	<2	<3	<1	-	6	570	570	170	170	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA12 (DUP210)_13 Jun 14_2.5-	Exc1_VA12 (DUP210)	2.5	13/06/2014	Golder 2015	<0.2	<0.5	3.2	<0.5	<0.5	<0.5	-	-	-	207	<25	130	130	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA13_13 Jun 14_1-	Exc1_VA13	1	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA14_13 Jun 14_2-	Exc1_VA14	2	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA2_13 Jun 14_2-	Exc1_VA2	2	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA3_13 Jun 14_2.5-	Exc1_VA3	2.5	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	77	77	70	70	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA4_13 Jun 14_2.5-	Exc1_VA4	2.5	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	130	130	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA4 (DUP110)_13 Jun 14_2.5-	Exc1_VA4 (DUP110)	2.5	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	140	140	180	180	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA5_13 Jun 14_1-	Exc1_VA5	1	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA6_13 Jun 14_2-	Exc1_VA6	2	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA7_13 Jun 14_1-	Exc1_VA7	1	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA8_13 Jun 14_2-	Exc1_VA8	2	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA9_13 Jun 14_1-	Exc1_VA9	1	13/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA15_16 Jun 14_1-	Exc1_VA15	1	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA16_16 Jun 14_2-	Exc1_VA16	2	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA17_16 Jun 14_2.5-	Exc1_VA17	2.5	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	720	**720**	240	240	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA18_16 Jun 14_2.5-	Exc1_VA18	2.5	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	200	200	82	82	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA18 (DUP112)_16 Jun 14_2.5-	Exc1_VA18 (DUP112)	2.5	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	210	210	120	120	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA19_16 Jun 14_1-	Exc1_VA19	1	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA20_16 Jun 14_2-	Exc1_VA20	2	16/06/2014	Golder 2015	<0.2	<0.5	2	<1	3	3	2	-	5	210	210	76	76	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA21_16 Jun 14_1-	Exc1_VA21	1	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA22_16 Jun 14_2-	Exc1_VA22	2	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA23_16 Jun 14_2.5-	Exc1_VA23	2.5	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	280	280	150	150	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA23 (DUP211)_16 Jun 14_2.5-	Exc1_VA23 (DUP211)	2.5	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	140	140	240	240	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA24_16 Jun 14_1-	Exc1_VA24	1	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA25_16 Jun 14_2-	Exc1_VA25	2	16/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA26_17 Jun 14_1-	Exc1_VA26	1	17/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	210	210	120	120	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA27_17 Jun 14_2-	Exc1_VA27	2	17/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA28_17 Jun 14_1-	Exc1_VA28	1	17/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					BTEXN									TRH - NEPM 2013						TRH - NEPM 1999					PAHs												
					Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil															**700**[R1]		**1000**[R1]	**2500**	**10000**	**700**	**1000**	**2500**	**1000**													
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																																
Exc1_VA29_17 Jun 14_2-	Exc1_VA29	2	17/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA30_17 Jun 14_2.5-	Exc1_VA30	2.5	17/06/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	49	49	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_02 Jul 14_0.8-1	BH5	0.8-1	2/07/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	0	<25	<25	<50	<50	1200	<100	<25	<50	9900	550	10,450	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH5_02 Jul 14_1.3-1.4	BH5	1.3-1.4	2/07/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	0	<25	<25	<50	<50	<100	<100	<25	<50	9900	470	10,370	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH6_02 Jul 14_0.8-1	BH6	0.8-1	2/07/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	0	<25	<25	<50	<50	<100	<100	<25	70	16,000	870	16,940	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
BH6_02 Jul 14_1.3-1.5	BH6	1.3-1.5	2/07/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	0	<25	<25	<50	<50	<100	<100	<25	78	16,000	810	16,888	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
VA1_02 Jul 14_-	VA1	0.8	2/07/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	0	<25	<25	390	390	8800	<100	<25	<50	8800	480	9280	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
VA2_02 Jul 14_-	VA2	0.8	2/07/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	0	<25	<25	1300	1300	30,000	210	<25	130	30,000	1700	31,830	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
VA3_02 Jul 14_-	VA3	0.8	2/07/2014	Golder 2014 (21)	<0.2	<0.5	<1	<1	<2	-	<1	-	0	<25	<25	830	830	20,000	170	<25	95	20,000	1200	21,295	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
LF1/1_11 Jul 14_-	LF1/1		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/2_11 Jul 14_-	LF1/2		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/3_11 Jul 14_-	LF1/3		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/4_11 Jul 14_-	LF1/4		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/5_11 Jul 14_-	LF1/5		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/6_11 Jul 14_-	LF1/6		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/1_11 Jul 14_-	LF4/1		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	32	32	84	84	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/2_11 Jul 14_-	LF4/2		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/3_11 Jul 14_-	LF4/3		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/4_11 Jul 14_-	LF4/4		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	61	61	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/5_11 Jul 14_-	LF4/5		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	56	56	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/6_11 Jul 14_-	LF4/6		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	110	110	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/1_11 Jul 14_-	SP3/1		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/2_11 Jul 14_-	SP3/2		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/3_11 Jul 14_-	SP3/3		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/4_11 Jul 14_-	SP3/4		11/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/1_21 Jul 14_-	LF2/1		21/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/2_21 Jul 14_-	LF2/2		21/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/3_21 Jul 14_-	LF2/3		21/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/4_21 Jul 14_-	LF2/4		21/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/5_21 Jul 14_-	LF2/5		21/07/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1_05 Aug 14_-	LF3/1		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP130)_05 Aug 14_-	LF3/1 (DUP130)		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP230)_05 Aug 14_-	LF3/1 (DUP230)		5/08/2014	Golder 2015	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/10_05 Aug 14_-	LF3/10		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/11_05 Aug 14_-	LF3/11		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/12_05 Aug 14_-	LF3/12		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13_05 Aug 14_-	LF3/13		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13 (DUP132)_05 Aug 14_-	LF3/13 (DUP132)		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/14_05 Aug 14_-	LF3/14		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/15_05 Aug 14_-	LF3/15		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/16_05 Aug 14_-	LF3/16		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/2_05 Aug 14_-	LF3/2		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/3_05 Aug 14_-	LF3/3		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/4_05 Aug 14_-	LF3/4		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/5_05 Aug 14_-	LF3/5		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/6_05 Aug 14_-	LF3/6		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7_05 Aug 14_-	LF3/7		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP131)_05 Aug 14_-	LF3/7 (DUP131)		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP231)_05 Aug 14_-	LF3/7 (DUP231)		5/08/2014	Golder 2015	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/8_05 Aug 14_-	LF3/8		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/9_05 Aug 14_-	LF3/9		5/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01_08 Aug 14_3-	ExcMLP_V01	3	8/08/2014	Golder 2015	0.4	<0.5	3	<1	<2	<3	<1	-	0	39	39	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP140)_08 Aug 14_3-	ExcMLP_V01 (DUP140)	3	8/08/2014	Golder 2015	0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP230)_08 Aug 14_3-	ExcMLP_V01 (DUP230)	3	8/08/2014	Golder 2015	<0.2	<0.5	1	<0.5	<0.5	<3	-	-	-	21	22	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V02_08 Aug 14_3-	ExcMLP_V02	3	8/08/2014	Golder 2015	<0.2	<0.5	5	<1	<2	<3	2	-	0	62	62	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V03_08 Aug 14_3-	ExcMLP_V03	3	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	42	42	130	130	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V04_08 Aug 14_3-	ExcMLP_V04	3	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	56	56	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V05_08 Aug 14_3-	ExcMLP_V05	3	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06_08 Aug 14_3-	ExcMLP_V06	3	8/08/2014	Golder 2015	0.2	<0.5	3	<1	<2	<3	<1	-	0	34	34	170	170	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP141)_08 Aug 14_3-	ExcMLP_V06 (DUP141)	3	8/08/2014	Golder 2015	0.2	<0.5	3	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP231)_08 Aug 14_3-	ExcMLP_V06 (DUP231)	3	8/08/2014	Golder 2015	<0.2	<0.5	1.5	<0.5	<0.5	<0.5	-	-	-	46	48	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V07_08 Aug 14_3-	ExcMLP_V07	3	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix D
Table D3
Historical Soil Results - Management Limits

	BTEXN									TRH - NEPM 2013						TRH - NEPM 1999					PAHs											
	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b&k)fluoranthene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene
	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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil											**700**[#1]		**1000**[#1]	**2500**	**10000**	**700**	**1000**	**2500**	**1000**														
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																												
ExcMLP_V07 (DUP142)_08 Aug 14_3-	ExcMLP_V07 (DUP142)	3	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V08_08 Aug 14_3-	ExcMLP_V08	3	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V09_08 Aug 14_3-	ExcMLP_V09	3	8/08/2014	Golder 2015	<0.2	<0.5	1	<1	<2	<3	<1	-	0	83	83	64	64	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V10_08 Aug 14_3-	ExcMLP_V10	3	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	2	-	0	77	77	60	60	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V11_08 Aug 14_2.5-	ExcMLP_V11	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	250	250	110	110	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V12_08 Aug 14_2.5-	ExcMLP_V12	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	49	49	90	90	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V13_08 Aug 14_2.5-	ExcMLP_V13	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V14_08 Aug 14_2.5-	ExcMLP_V14	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V15_08 Aug 14_2.5-	ExcMLP_V15	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	110	110	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V16_08 Aug 14_2.5-	ExcMLP_V16	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	82	82	180	180	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V17_08 Aug 14_2.5-	ExcMLP_V17	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V18_08 Aug 14_1.5-	ExcMLP_V18	1.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V19_08 Aug 14_2.5-	ExcMLP_V19	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	57	57	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V20_08 Aug 14_1.5-	ExcMLP_V20	1.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V21_08 Aug 14_2.5-	ExcMLP_V21	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V22_08 Aug 14_1.5-	ExcMLP_V22	1.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V23_08 Aug 14_2.5-	ExcMLP_V23	2.5	8/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V24_11 Aug 14_1.5-	ExcMLP_V24	1.5	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V25_11 Aug 14_1.5-	ExcMLP_V25	1.5	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V26_11 Aug 14_1.5-	ExcMLP_V26	1.5	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V27_11 Aug 14_1.5-	ExcMLP_V27	1.5	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V28_11 Aug 14_1.5-	ExcMLP_V28	1.5	11/08/2014	Golder 2015	0.3	<0.5	<1	<1	<2	<3	4	-	0	240	240	130	130	<100	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V29_11 Aug 14_1-	ExcMLP_V29	1	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V30_11 Aug 14_1-	ExcMLP_V30	1	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V31_11 Aug 14_1.3-	ExcMLP_V31	1.3	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V32_11 Aug 14_1.3-	ExcMLP_V32	1.3	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V33_11 Aug 14_1.5-	ExcMLP_V33	1.5	11/08/2014	Golder 2015	1	<0.5	7	<1	5	5	2	-	0	130	130	68	68	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V34_11 Aug 14_3-	ExcMLP_V34	3	11/08/2014	Golder 2015	0.2	<0.5	4	<1	<2	<3	<1	-	0	81	81	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V35_11 Aug 14_3-	ExcMLP_V35	3	11/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1_28 Aug 14_-	LF5/1		28/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1 (DUP150)_28 Aug 14_-	LF5/1 (DUP150)		28/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2_28 Aug 14_-	LF5/2		28/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2 (DUP151)_28 Aug 14_-	LF5/2 (DUP151)		28/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/3_28 Aug 14_-	LF5/3		28/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/4_28 Aug 14_-	LF5/4		28/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/5_28 Aug 14_-	LF5/5		28/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	36	36	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/6_28 Aug 14_-	LF5/6		28/08/2014	Golder 2015	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Statistical Summary

Number of Results	364	363	365	212	213	306	272	32	146	180	180	180	180	180	180	220	220	217	217	206	154	154	154	154	154	155	154	154	154	154	154	154
Number of Detects	20	13	43	0	5	31	30	0	146	44	43	35	35	7	3	25	38	38	24	58	2	16	19	35	36	42	26	43	11	48	9	28
Minimum Concentration	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<3	0	16	16	<50	<50	<100	<100	<1	<1	<1	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Minimum Detect	0.2	1.2	1	ND	0.8	0.6	1.4	ND	4	16	16	51	51	760	120	8	52	10.6	34	50	0.1	0.1	0.1	0.1	0.2	0.05	0.1	0.1	0.1	0.1	0.1	0.1
Maximum Concentration	12	250	170	<1	43	840	35	<3	686	720	720	1300	1300	30000	210	1900	2500	30000	1700	31830	<0.5	2.9	3.4	17	27	17	9	14	2	26	1.1	12
Maximum Detect	12	250	170	ND	43	840	35	ND	686	720	720	1300	1300	30000	210	1900	2500	30000	1700	31830	0.2	2.9	3.4	17	27	17	9	14	2	26	1.1	12
Average Concentration	0.44	1.4	2.3	0.49	1.2	10	1.4	1.5	11	44	43	55	55	403	52	55	80	770	90	965	0.076	0.14	0.18	0.48	0.72	0.44	0.26	0.46	0.11	0.84	0.1	0.31
Median Concentration	0.1	0.25	0.5	0.5	1	1.5	0.5	1.5	0	12.5	12.5	25	25	50	50	12.5	25	50	50	125	0.05	0.05	0.05	0.05	0.1	0.025	0.05	0.05	0.05	0.05	0.05	0.05
Standard Deviation	1.2	13	13	0.045	2.9	64	4.1	0	77	91	92	121	121	2752	16	197	259	3200	183	3470	0.067	0.34	0.44	2	2.8	1.8	0.91	1.7	0.23	3.1	0.15	1.2
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	4	3	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	4	3	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Env Stds Comments

#1:Separate management limits for BTEX & naphthalene are not available hence should not be subtracted from the relevant fractions to obtain F1 & F2

									Phenols		VOCs					OC Pesticides																	
					PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																		
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																														
DUP__2-2.4	SE1	2-2.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SE1__2-2.4	SE1	2-2.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SE4__0-0.5	SE4	0-0.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SE5__3.2-3.7	SE5	3.2-3.7	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SE6__0.2-0.5	SE6	0.2-0.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SE6__0.5-1	SE6	0.5-1	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SE6__1.3-1.5	SE6	1.3-1.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SE7__0.2-0.4	SE7	0.2-0.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS01__-	SS01		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS03__-	SS03		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS08__-	SS08		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15__-	SS15		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS16__-	SS16		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS17__-	SS17		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_20 Apr 98_0.5-	BH1	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_20 Apr 98_1.5-	BH1	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2_20 Apr 98_0.5-	BH2	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3_20 Apr 98_0.5-	BH3	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3_20 Apr 98_2.35-	BH3	2.35	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4_20 Apr 98_0.5-	BH4	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_20 Apr 98_0.5-	BH5	0.5	20/04/1998	PPK 1998	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH6_20 Apr 98_0.5-	BH6	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7_20 Apr 98_0.5-	BH7	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH8_20 Apr 98_0.5-	BH8	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9_20 Apr 98_0.5-	BH9	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_20 Apr 98_0.5-	BH10	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_20 Apr 98_0.5-	BH11	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_20 Apr 98_0.5-	BH12	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_0.35-	BH13	0.35	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_0.5-	BH13	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_2.35-	BH13	2.35	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_20 Apr 98_0.5-	BH14	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_20 Apr 98_0.5-	BH15	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_20 Apr 98_0.5-	BH16	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_20 Apr 98_0.5-	BH17	0.5	20/04/1998	PPK 1998	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_20 Apr 98_0.5-	BH18	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH19_20 Apr 98_1.5-	BH19	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH19_20 Apr 98_4.3-	BH19	4.3	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21_20 Apr 98_0.5-	BH21	0.5	20/04/1998	PPK 1998	6.7	<0.5	0.9	0.7	-	-	1.21	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21_20 Apr 98_1.8-	BH21	1.8	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21_20 Apr 98_2.5-	BH21	2.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22_20 Apr 98_0.5-	BH22	0.5	20/04/1998	PPK 1998	9.65	<0.5	0.7	1.3	-	-	1.632	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH23_20 Apr 98_0.5-	BH23	0.5	20/04/1998	PPK 1998	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH23_20 Apr 98_1.5-	BH23	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH23 (DUP)_20 Apr 98_1.5-	BH23 (DUP)	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_0.5-	BH24	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_1-	BH24	1	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_1.5-	BH24	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUP)_20 Apr 98_1-	BH24 (DUP)	1	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUPa)_20 Apr 98_1.5-	BH24 (DUPa)	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25_31 May 02_0.3-	BH25	0.3	31/05/2002	PPK 2002	160	0.8	7.8	26	-	-	27.53	0.2	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH25_31 May 02_1-	BH25	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH25 (DUP)_31 May 02_0.3-	BH25 (DUP)	0.3	31/05/2002	PPK 2002	41	<0.5	2.2	6.4	-	-	7.278	0.2	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH25 (DUPa)_31 May 02_0.3-	BH25 (DUPa)	0.3	31/05/2002	PPK 2002	120	0.9	5.8	22.2	-	-	17.286	0.9	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH26_31 May 02_0.3-	BH26	0.3	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH26_31 May 02_1-	BH26	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH27_31 May 02_0.8-	BH27	0.8	31/05/2002	PPK 2002	15	<0.5	3	2.4	-	-	2.115	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH28_31 May 02_0.3-	BH28	0.3	31/05/2002	PPK 2002	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH28_31 May 02_0.9-	BH28	0.9	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH28 (DUP)_31 May 02_0.3-	BH28 (DUP)	0.3	31/05/2002	PPK 2002	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH29_31 May 02_0.3-	BH29	0.3	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_31 May 02_1-	BH29	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix D
Table D3
Historical Soil Results - Management Limits

									Phenols		VOCs					OC Pesticides																		
					PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																		
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																														
BH30_31 May 02_0.3-	BH30	0.3	31/05/2002	PPK 2002	8.6	<0.5	1	1.6	-	-	1.652	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30_31 May 02_1-	BH30	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_31 May 02_0.3-	BH31	0.3	31/05/2002	PPK 2002	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_31 May 02_1-	BH31	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31 (DUP)_31 May 02_1-	BH31 (DUP)	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32_31 May 02_0.3-	BH32	0.3	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH33_31 May 02_0.5-	BH33	0.5	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34_31 May 02_0.5-	BH34	0.5	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH34_31 May 02_2-	BH34	2	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_31 May 02_0.3-	BH35	0.3	31/05/2002	PPK 2002	<0.5	<0.5	<0.5	<0.5	-	-	1.21	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH35_31 May 02_2-	BH35	2	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH36_31 May 02_0.3-	BH36	0.3	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH36_31 May 02_2-	BH36	2	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP1_04 Jul 06_0.1-	TP1	0.1	4/07/2006	GHD 2006	0.2	<0.1	<0.1	0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP1_04 Jul 06_0.5-	TP1	0.5	4/07/2006	GHD 2006	32.3	0.1	6.7	5.7	-	-	3.314	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP1_04 Jul 06_4-	TP1	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2_04 Jul 06_0.5-	TP2	0.5	4/07/2006	GHD 2006	2.5	<0.1	0.2	0.5	-	-	0.414	-	-	<1	<1	<1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2_04 Jul 06_2-	TP2	2	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2_04 Jul 06_4-	TP2	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3_04 Jul 06_0.5-	TP3	0.5	4/07/2006	GHD 2006	13	<0.1	1.1	2.3	-	-	1.767	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3_04 Jul 06_3-	TP3	3	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3_04 Jul 06_4-	TP3	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3 (QC2)_04 Jul 06_4-	TP3 (QC2)	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4_04 Jul 06_0.5-	TP4	0.5	4/07/2006	GHD 2006	61.9	2.8	5	8.9	-	-	9.724	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4_04 Jul 06_1-	TP4	1	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4_04 Jul 06_4-	TP4	4	4/07/2006	GHD 2006	0.1	0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP5_04 Jul 06_0.1-	TP5	0.1	4/07/2006	GHD 2006	1.5	0.1	0.2	0.2	-	-	0.283	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP5_04 Jul 06_2-	TP5	2	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP5_04 Jul 06_4-	TP5	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6_04 Jul 06_0.5-	TP6	0.5	4/07/2006	GHD 2006	1.9	0.2	0.4	0.3	-	-	0.283	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6_04 Jul 06_3-	TP6	3	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6_04 Jul 06_4-	TP6	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7_04 Jul 06_0.1-	TP7	0.1	4/07/2006	GHD 2006	2.3	<0.1	<0.1	0.5	-	-	0.425	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7_04 Jul 06_1-	TP7	1	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7_04 Jul 06_4-	TP7	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7 (QC4)_04 Jul 06_4-	TP7 (QC4)	4	4/07/2006	GHD 2006	-	<0.5	<0.5	<0.5	-	-	1.15	-	<1	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8_04 Jul 06_0.5-	TP8	0.5	4/07/2006	GHD 2006	81.3	0.3	9.6	15	-	-	10.422	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8_04 Jul 06_2-	TP8	2	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8_04 Jul 06_4-	TP8	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9_04 Jul 06_0.1-	TP9	0.1	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9_04 Jul 06_1-	TP9	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9_04 Jul 06_2-	TP9	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9_04 Jul 06_3-	TP9	3	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9_04 Jul 06_4-	TP9	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10_04 Jul 06_0.1-	TP10	0.1	4/07/2006	GHD 2006	0.4	<0.1	<0.1	0.2	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10_04 Jul 06_1-	TP10	1	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10_04 Jul 06_3.2-	TP10	3.2	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11_04 Jul 06_0.5-	TP11	0.5	4/07/2006	GHD 2006	13.2	<0.1	0.8	2.6	-	-	1.81	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11_04 Jul 06_1-	TP11	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11_04 Jul 06_2-	TP11	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11_04 Jul 06_3-	TP11	3	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11_04 Jul 06_4-	TP11	4	4/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12_05 Jul 06_0.1-	TP12	0.1	5/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12_05 Jul 06_2-	TP12	2	5/07/2006	GHD 2006	3.9	1.9	0.3	0.4	-	-	0.294	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12_05 Jul 06_3-	TP12	3	5/07/2006	GHD 2006	1.6	0.3	0.2	0.2	-	-	0.263	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12 (QC8)_05 Jul 06_3-	TP12 (QC8)	3	5/07/2006	GHD 2006	2	0.2	0.2	0.4	-	-	0.283	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_05 Jul 06_0.5-	TP13	0.5	5/07/2006	GHD 2006	0.25	<0.1	<0.1	0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_05 Jul 06_1-	TP13	1	5/07/2006	GHD 2006	0.1	0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_05 Jul 06_3-	TP13	3	5/07/2006	GHD 2006	0.1	0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP14_05 Jul 06_0.5-	TP14	0.5	5/07/2006	GHD 2006	1.08	0.2	0.1	0.2	-	-	0.242	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP14_05 Jul 06_2-	TP14	2	5/07/2006	GHD 2006	2.6	1.4	0.2	0.2	-	-	0.263	-	<1	<1	<1	<1	<1	40.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP14_05 Jul 06_4-	TP14	4	5/07/2006	GHD 2006	0.1	0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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									Phenols		VOCs					OC Pesticides																	
					PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																		
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																														
TP27_06 Jul 06_1-	TP27	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27_06 Jul 06_2-	TP27	2	6/07/2006	GHD 2006	1.5	1.5	<0.1	<0.1	-	-	0.212	-	<1	6.3	16	<1	<1	1074.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27_06 Jul 06_3-	TP27	3	6/07/2006	GHD 2006	1.9	1.9	<0.1	<0.1	-	-	0.212	-	<1	4.2	11	<1	<1	234.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27_06 Jul 06_4-	TP27	4	6/07/2006	GHD 2006	0.8	0.8	<0.1	<0.1	-	-	0.212	-	<1	<1	1.1	<1	<1	19.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28_06 Jul 06_0.1-	TP28	0.1	6/07/2006	GHD 2006	0.3	<0.1	<0.1	0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28_06 Jul 06_1-	TP28	1	6/07/2006	GHD 2006	2.3	0.2	0.2	0.3	-	-	0.394	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28_06 Jul 06_2-	TP28	2	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28_06 Jul 06_3-	TP28	3	6/07/2006	GHD 2006	0.1	0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28_06 Jul 06_4-	TP28	4	6/07/2006	GHD 2006	0.3	0.3	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28 (QC21)_06 Jul 06_3-	TP28 (QC21)	3	6/07/2006	GHD 2006	-	<0.5	<0.5	<0.5	-	-	1.15	-	<1	<0.5	<0.5	<0.5	<0.5	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29 _06 Jul 06_0.5-	TP29	0.5	6/07/2006	GHD 2006	1.7	<0.1	0.1	0.3	-	-	0.293	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29 _06 Jul 06_1-	TP29	1	6/07/2006	GHD 2006	1.3	<0.1	0.1	0.2	-	-	0.283	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29 _06 Jul 06_2-	TP29	2	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29 _06 Jul 06_3-	TP29	3	6/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29 _06 Jul 06_4-	TP29	4	6/07/2006	GHD 2006	0.5	0.5	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 _06 Jul 06_0.5-	TP30	0.5	6/07/2006	GHD 2006	2.8	0.1	0.2	0.4	-	-	0.545	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 _06 Jul 06_1-	TP30	1	6/07/2006	GHD 2006	1.9	0.2	0.2	0.3	-	-	0.283	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 _06 Jul 06_2-	TP30	2	6/07/2006	GHD 2006	2.89	1.9	0.1	0.2	-	-	0.252	-	0.6	<1	1.8	<1	<1	50.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 _06 Jul 06_4-	TP30	4	6/07/2006	GHD 2006	1.5	1.5	<0.1	<0.1	-	-	0.212	-	<1	<1	1.1	<1	<1	21.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 _06 Jul 06_0.1-	TP31	0.1	6/07/2006	GHD 2006	0.3	<0.1	<0.1	0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 _06 Jul 06_1-	TP31	1	6/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 _06 Jul 06_3-	TP31	3	6/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 _06 Jul 06_3.5-	TP31	3.5	6/07/2006	GHD 2006	0.2	0.2	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32_06 Jul 06_0.1-	TP32	0.1	6/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32_06 Jul 06_1-	TP32	1	6/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32_06 Jul 06_3-	TP32	3	6/07/2006	GHD 2006	0.6	0.6	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32_06 Jul 06_3.5-	TP32	3.5	6/07/2006	GHD 2006	1.6	1.6	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32 (QC24)_06 Jul 06_3.5-	TP32 (QC24)	3.5	6/07/2006	GHD 2006	1.9	1.9	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33_06 Jul 06_0.5-	TP33	0.5	6/07/2006	GHD 2006	14.9	<0.1	1.9	2.7	-	-	1.604	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33_06 Jul 06_1-	TP33	1	6/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33_06 Jul 06_2-	TP33	2	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33_06 Jul 06_3-	TP33	3	6/07/2006	GHD 2006	-	<0.1	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33_06 Jul 06_4-	TP33	4	6/07/2006	GHD 2006	0.3	0.3	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33 (QC25)_06 Jul 06_3-	TP33 (QC25)	3	6/07/2006	GHD 2006	0.2	0.2	<0.1	<0.1	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 _06 Jul 06_0.5-	TP34	0.5	6/07/2006	GHD 2006	0.7	<0.1	0.1	0.2	-	-	0.212	-	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 _06 Jul 06_1-	TP34	1	6/07/2006	GHD 2006	25.4	0.5	1.7	3.5	-	-	4.256	-	<1	3.8	8.9	<1	<1	28.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 _06 Jul 06_2-	TP34	2	6/07/2006	GHD 2006	35.9	27	1.8	1.2	-	-	0.738	-	<1	53	240	<1	<1	403.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 _06 Jul 06_3-	TP34	3	6/07/2006	GHD 2006	12	9.2	0.4	0.4	-	-	0.424	-	<1	9.8	35	<1	<1	77.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 _06 Jul 06_4-	TP34	4	6/07/2006	GHD 2006	35.3	11	2.6	4	-	-	3.137	-	<1	13	47	<1	<1	95.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 (QC26)_06 Jul 06_2-	TP34 (QC26)	2	6/07/2006	GHD 2006	68	57	2.6	1.1	-	-	1.041	-	<1	32	170	<1	<1	318.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB26__0.4-0.5	SB26	0.4-0.5	1/07/2009	Coffey 2009	-	-	-	-	-	-	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB30__0.4-0.5	SB30	0.4-0.5	1/07/2009	Coffey 2009	-	-	-	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB32__1.4-1.5	SB32	1.4-1.5	1/07/2009	Coffey 2009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_17 Apr 14_0.3-0.5	BH1	0.3-0.5	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2_17 Apr 14_2-2.2	BH2	2-2.2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2_17 Apr 14_3-3.2	BH2	3-3.2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3_17 Apr 14_2.8-3	BH3	2.8-3	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4_17 Apr 14_0.8-2	BH4	0.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4_17 Apr 14_2.8-3	BH4	2.8-3	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_17 Apr 14_1.8-2	BH5	1.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_17 Apr 14_2.8-3	BH5	2.8-3	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6_17 Apr 14_1.8-2	BH6	1.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6_17 Apr 14_2.8-3	BH6	2.8-3	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7_17 Apr 14_2-2.2	BH7	2-2.2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V01_15 May 14_1.2-	Exc2_V01	1.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V02_16 May 14_2.9-	Exc2_V02	2.9	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V03_17 May 14_4.5-	Exc2_V03	4.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V04_18 May 14_2.9-	Exc2_V04	2.9	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V05_20 May 14_3.7-	Exc2_V05	3.7	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V06_21 May 14_3-	Exc2_V06	3	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V08_24 May 14_3.5-	Exc2_V08	3.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V09_25 May 14_1.8-	Exc2_V09	1.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

									Phenols		VOCs					OC Pesticides																	
					PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																		
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																														
Exc2_V10_26 May 14_3.4-	Exc2_V10	3.4	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V11_27 May 14_1.7-	Exc2_V11	1.7	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V12_28 May 14_3.5-	Exc2_V12	3.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V13_30 May 14_1.8-	Exc2_V13	1.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V14_31 May 14_3.5-	Exc2_V14	3.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V15_02 Jun 14_2.2-	Exc2_V15	2.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V17_05 Jun 14_1.5-	Exc2_V17	1.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V18_06 Jun 14_3.4-	Exc2_V18	3.4	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V19_07 Jun 14_1.4-	Exc2_V19	1.4	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V20_08 Jun 14_2.9-	Exc2_V20	2.9	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V21_09 Jun 14_1.2-	Exc2_V21	1.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V22_10 Jun 14_2.5-	Exc2_V22	2.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V23_11 Jun 14_1.5-	Exc2_V23	1.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V24_12 Jun 14_2.8-	Exc2_V24	2.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V04 (DUP201)_19 May 14_2.9-	Exc2_V04 (DUP201)	2.9	19/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V06 (DUP103)_22 May 14_3-	Exc2_V06 (DUP103)	3	22/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V07_23 May 14_1.8-	Exc2_V07	1.8	23/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V12 (DUP102)_29 May 14_3.5-	Exc2_V12 (DUP102)	3.5	29/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V14 (DUP101)_01 Jun 14_3.5-	Exc2_V14 (DUP101)	3.5	1/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V16_03 Jun 14_3.2-	Exc2_V16	3.2	3/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V16 (DUP200)_04 Jun 14_3.2-	Exc2_V16 (DUP200)	3.2	4/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_13 Jun 14_1-1.2	BH1	1-1.2	13/06/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH1_13 Jun 14_2.2-2.4	BH1	2.2-2.4	13/06/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH2_13 Jun 14_1-1.2	BH2	1-1.2	13/06/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH2_13 Jun 14_2-2.2	BH2	2-2.2	13/06/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH3_13 Jun 14_1-1.2	BH3	1-1.2	13/06/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH3_13 Jun 14_2.2-2.4	BH3	2.2-2.4	13/06/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH4_13 Jun 14_1-1.2	BH4	1-1.2	13/06/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH4_13 Jun 14_2.3-2.5	BH4	2.3-2.5	13/06/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Exc1_VA1_13 Jun 14_2-	Exc1_VA1	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA10_13 Jun 14_2-	Exc1_VA10	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA11_13 Jun 14_2.5-	Exc1_VA11	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA11 (DUP111)_13 Jun 14_2.5-	Exc1_VA11 (DUP111)	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA12_13 Jun 14_2.5-	Exc1_VA12	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA12 (DUP210)_13 Jun 14_2.5-	Exc1_VA12 (DUP210)	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA13_13 Jun 14_1-	Exc1_VA13	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA14_13 Jun 14_2-	Exc1_VA14	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA2_13 Jun 14_2-	Exc1_VA2	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA3_13 Jun 14_2.5-	Exc1_VA3	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA4_13 Jun 14_2.5-	Exc1_VA4	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA4 (DUP110)_13 Jun 14_2.5-	Exc1_VA4 (DUP110)	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA5_13 Jun 14_1-	Exc1_VA5	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA6_13 Jun 14_2-	Exc1_VA6	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA7_13 Jun 14_1-	Exc1_VA7	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA8_13 Jun 14_2-	Exc1_VA8	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA9_13 Jun 14_1-	Exc1_VA9	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA15_16 Jun 14_1-	Exc1_VA15	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA16_16 Jun 14_2-	Exc1_VA16	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA17_16 Jun 14_2.5-	Exc1_VA17	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA18_16 Jun 14_2.5-	Exc1_VA18	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA18 (DUP112)_16 Jun 14_2.5-	Exc1_VA18 (DUP112)	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA19_16 Jun 14_1-	Exc1_VA19	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA20_16 Jun 14_2-	Exc1_VA20	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA21_16 Jun 14_1-	Exc1_VA21	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA22_16 Jun 14_2-	Exc1_VA22	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA23_16 Jun 14_2.5-	Exc1_VA23	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA23 (DUP211)_16 Jun 14_2.5-	Exc1_VA23 (DUP211)	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA24_16 Jun 14_1-	Exc1_VA24	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA25_16 Jun 14_2-	Exc1_VA25	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA26_17 Jun 14_1-	Exc1_VA26	1	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA27_17 Jun 14_2-	Exc1_VA27	2	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA28_17 Jun 14_1-	Exc1_VA28	1	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

									Phenols		VOCs					OC Pesticides																	
					PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																		
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																														
Exc1_VA29_17 Jun 14_2-	Exc1_VA29	2	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA30_17 Jun 14_2.5-	Exc1_VA30	2.5	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_02 Jul 14_0.8-1	BH5	0.8-1	2/07/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH5_02 Jul 14_1.3-1.4	BH5	1.3-1.4	2/07/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH6_02 Jul 14_0.8-1	BH6	0.8-1	2/07/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH6_02 Jul 14_1.3-1.5	BH6	1.3-1.5	2/07/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VA1_02 Jul 14_-	VA1	0.8	2/07/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VA2_02 Jul 14_-	VA2	0.8	2/07/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VA3_02 Jul 14_-	VA3	0.8	2/07/2014	Golder 2014 (21)	-	<0.1	<0.1	<0.1	-	<0.5	0.212	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
LF1/1_11 Jul 14_-	LF1/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/2_11 Jul 14_-	LF1/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/3_11 Jul 14_-	LF1/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/4_11 Jul 14_-	LF1/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/5_11 Jul 14_-	LF1/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/6_11 Jul 14_-	LF1/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/1_11 Jul 14_-	LF4/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/2_11 Jul 14_-	LF4/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/3_11 Jul 14_-	LF4/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/4_11 Jul 14_-	LF4/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/5_11 Jul 14_-	LF4/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/6_11 Jul 14_-	LF4/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/1_11 Jul 14_-	SP3/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/2_11 Jul 14_-	SP3/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/3_11 Jul 14_-	SP3/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/4_11 Jul 14_-	SP3/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/1_21 Jul 14_-	LF2/1		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/2_21 Jul 14_-	LF2/2		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/3_21 Jul 14_-	LF2/3		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/4_21 Jul 14_-	LF2/4		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/5_21 Jul 14_-	LF2/5		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1_05 Aug 14_-	LF3/1		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP130)_05 Aug 14_-	LF3/1 (DUP130)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP230)_05 Aug 14_-	LF3/1 (DUP230)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/10_05 Aug 14_-	LF3/10		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/11_05 Aug 14_-	LF3/11		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/12_05 Aug 14_-	LF3/12		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13_05 Aug 14_-	LF3/13		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13 (DUP132)_05 Aug 14_-	LF3/13 (DUP132)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/14_05 Aug 14_-	LF3/14		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/15_05 Aug 14_-	LF3/15		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/16_05 Aug 14_-	LF3/16		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/2_05 Aug 14_-	LF3/2		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/3_05 Aug 14_-	LF3/3		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/4_05 Aug 14_-	LF3/4		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/5_05 Aug 14_-	LF3/5		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/6_05 Aug 14_-	LF3/6		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7_05 Aug 14_-	LF3/7		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP131)_05 Aug 14_-	LF3/7 (DUP131)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP231)_05 Aug 14_-	LF3/7 (DUP231)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/8_05 Aug 14_-	LF3/8		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/9_05 Aug 14_-	LF3/9		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01_08 Aug 14_3-	ExcMLP_V01	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP140)_08 Aug 14_3-	ExcMLP_V01 (DUP140)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP230)_08 Aug 14_3-	ExcMLP_V01 (DUP230)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V02_08 Aug 14_3-	ExcMLP_V02	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V03_08 Aug 14_3-	ExcMLP_V03	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V04_08 Aug 14_3-	ExcMLP_V04	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V05_08 Aug 14_3-	ExcMLP_V05	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06_08 Aug 14_3-	ExcMLP_V06	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP141)_08 Aug 14_3-	ExcMLP_V06 (DUP141)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP231)_08 Aug 14_3-	ExcMLP_V06 (DUP231)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V07_08 Aug 14_3-	ExcMLP_V07	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

											Phenols		VOCs						OC Pesticides																				
					PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide
					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
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																						
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																																			
ExcMLP_V07 (DUP142)_08 Aug 14_3-	ExcMLP_V07 (DUP142)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V08_08 Aug 14_3-	ExcMLP_V08	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V09_08 Aug 14_3-	ExcMLP_V09	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V10_08 Aug 14_3-	ExcMLP_V10	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V11_08 Aug 14_2.5-	ExcMLP_V11	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V12_08 Aug 14_2.5-	ExcMLP_V12	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V13_08 Aug 14_2.5-	ExcMLP_V13	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V14_08 Aug 14_2.5-	ExcMLP_V14	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V15_08 Aug 14_2.5-	ExcMLP_V15	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V16_08 Aug 14_2.5-	ExcMLP_V16	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V17_08 Aug 14_2.5-	ExcMLP_V17	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V18_08 Aug 14_1.5-	ExcMLP_V18	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V19_08 Aug 14_2.5-	ExcMLP_V19	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V20_08 Aug 14_1.5-	ExcMLP_V20	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V21_08 Aug 14_2.5-	ExcMLP_V21	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V22_08 Aug 14_1.5-	ExcMLP_V22	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V23_08 Aug 14_2.5-	ExcMLP_V23	2.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V24_11 Aug 14_1.5-	ExcMLP_V24	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V25_11 Aug 14_1.5-	ExcMLP_V25	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V26_11 Aug 14_1.5-	ExcMLP_V26	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V27_11 Aug 14_1.5-	ExcMLP_V27	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V28_11 Aug 14_1.5-	ExcMLP_V28	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V29_11 Aug 14_1-	ExcMLP_V29	1	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V30_11 Aug 14_1-	ExcMLP_V30	1	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V31_11 Aug 14_1.3-	ExcMLP_V31	1.3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V32_11 Aug 14_1.3-	ExcMLP_V32	1.3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V33_11 Aug 14_1.5-	ExcMLP_V33	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V34_11 Aug 14_3-	ExcMLP_V34	3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V35_11 Aug 14_3-	ExcMLP_V35	3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1_28 Aug 14_-	LF5/1		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1 (DUP150)_28 Aug 14_-	LF5/1 (DUP150)		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2_28 Aug 14_-	LF5/2		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2 (DUP151)_28 Aug 14_-	LF5/2 (DUP151)		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/3_28 Aug 14_-	LF5/3		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/4_28 Aug 14_-	LF5/4		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/5_28 Aug 14_-	LF5/5		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/6_28 Aug 14_-	LF5/6		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Statistical Summary

Number of Results	92	154	154	154	1	15	155	14	101	125	125	125	125	37	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Number of Detects	85	63	40	48	1	0	155	4	1	16	20	2	1	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	0.1	<0.1	<0.1	<0.1	4.7	<0.5	0.13	<0.1	0.6	<0.5	<0.5	<0.5	<0.5	1.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Minimum Detect	0.1	0.1	0.1	0.1	4.7	ND	0.13	0.1	0.6	1.2	1.1	1.3	2	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	160	57	9.6	26	4.7	<0.5	27.53	0.9	<1	53	240	2.1	2	1795.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Maximum Detect	160	57	9.6	26	4.7	ND	27.53	0.9	0.6	53	240	2.1	2	1795.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration	9.5	1.2	0.45	0.83		0.25	0.92	0.14	0.5	1.7	5.7	0.51	0.5	175	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Median Concentration	1.5	0.1	0.05	0.05	4.7	0.25	0.212	0.05	0.5	0.5	0.5	0.5	0.5	28.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Standard Deviation	25	5.4	1.3	3.2		0	2.9	0.23	0.01	5.8	27	0.17	0.14	365	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Env Stds Comments

#1:Separate management limits for BTEX & naphthalene are not available hence should not be subtracted from the relevant fractions to obta

							OP Pesticides	MAH				PCBs		TPH
					Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil														
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**										
DUP__2-2.4	SE1	2-2.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	<0.5	-	-
SE1__2-2.4	SE1	2-2.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	<0.5	-	-
SE4__0-0.5	SE4	0-0.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	<0.5	-	-
SE5__3.2-3.7	SE5	3.2-3.7	3/08/1995	JET 2005	-	-	-	-	-	-	-	<0.5	-	-
SE6__0.2-0.5	SE6	0.2-0.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	<0.5	-	-
SE6__0.5-1	SE6	0.5-1	3/08/1995	JET 2005	-	-	-	-	-	-	-	<0.5	-	-
SE6__1.3-1.5	SE6	1.3-1.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	<0.5	-	-
SE7__0.2-0.4	SE7	0.2-0.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	<0.5	-	-
SS01__-	SS01		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-
SS03__-	SS03		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-
SS08__-	SS08		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-
SS15__-	SS15		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-
SS16__-	SS16		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-
SS17__-	SS17		16/05/1996	WWC 1996	-	-	-	-	-	-	-	-	-	-
BH1_20 Apr 98_0.5-	BH1	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH1_20 Apr 98_1.5-	BH1	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH2_20 Apr 98_0.5-	BH2	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH3_20 Apr 98_0.5-	BH3	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH3_20 Apr 98_2.35-	BH3	2.35	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH4_20 Apr 98_0.5-	BH4	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH5_20 Apr 98_0.5-	BH5	0.5	20/04/1998	PPK 1998	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	<0.5
BH6_20 Apr 98_0.5-	BH6	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH7_20 Apr 98_0.5-	BH7	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH8_20 Apr 98_0.5-	BH8	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH9_20 Apr 98_0.5-	BH9	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH10_20 Apr 98_0.5-	BH10	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	-
BH11_20 Apr 98_0.5-	BH11	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	-
BH12_20 Apr 98_0.5-	BH12	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	-
BH13_20 Apr 98_0.35-	BH13	0.35	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_0.5-	BH13	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_2.35-	BH13	2.35	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH14_20 Apr 98_0.5-	BH14	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH15_20 Apr 98_0.5-	BH15	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH16_20 Apr 98_0.5-	BH16	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH17_20 Apr 98_0.5-	BH17	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	-
BH18_20 Apr 98_0.5-	BH18	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH19_20 Apr 98_1.5-	BH19	1.5	20/04/1998	PPK 1998	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-
BH19_20 Apr 98_4.3-	BH19	4.3	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH21_20 Apr 98_0.5-	BH21	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	<0.5
BH21_20 Apr 98_1.8-	BH21	1.8	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH21_20 Apr 98_2.5-	BH21	2.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH22_20 Apr 98_0.5-	BH22	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	-
BH23_20 Apr 98_0.5-	BH23	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	-
BH23_20 Apr 98_1.5-	BH23	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	-
BH23 (DUP)_20 Apr 98_1.5-	BH23 (DUP)	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	<1	-	-
BH24_20 Apr 98_0.5-	BH24	0.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_1-	BH24	1	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_1.5-	BH24	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH24 (DUP)_20 Apr 98_1-	BH24 (DUP)	1	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH24 (DUPa)_20 Apr 98_1.5-	BH24 (DUPa)	1.5	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	-	-
BH25_31 May 02_0.3-	BH25	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25_31 May 02_1-	BH25	1	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25 (DUP)_31 May 02_0.3-	BH25 (DUP)	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH25 (DUPa)_31 May 02_0.3-	BH25 (DUPa)	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH26_31 May 02_0.3-	BH26	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH26_31 May 02_1-	BH26	1	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH27_31 May 02_0.8-	BH27	0.8	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH28_31 May 02_0.3-	BH28	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH28_31 May 02_0.9-	BH28	0.9	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-
BH28 (DUP)_31 May 02_0.3-	BH28 (DUP)	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-
BH29_31 May 02_0.3-	BH29	0.3	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-
BH29_31 May 02_1-	BH29	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-

Appendix D
Table D3
Historical Soil Results - Management Limits

					OP Pesticides	MAH			PCBs		TPH

Appendix D
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					OP Pesticides	MAH			PCBs		TPH
					Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil														
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**										
TP14 (QC9)_05 Jul 06_2-	TP14 (QC9)	2	5/07/2006	GHD 2006	-	-	-	-	41.7	13.2	1.8	-	-	-
TP15_05 Jul 06_0.1-	TP15	0.1	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP15_05 Jul 06_1-	TP15	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP15_05 Jul 06_2-	TP15	2	5/07/2006	GHD 2006	-	-	-	-	2.1	<1	<1	-	-	-
TP15_05 Jul 06_3-	TP15	3	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP15_05 Jul 06_4-	TP15	4	5/07/2006	GHD 2006	-	-	-	-	1.8	<1	<1	-	-	-
TP16_05 Jul 06_0.5-	TP16	0.5	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP16_05 Jul 06_2-	TP16	2	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP16_05 Jul 06_3.5-	TP16	3.5	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP17_05 Jul 06_1-	TP17	1	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP17_05 Jul 06_2-	TP17	2	5/07/2006	GHD 2006	-	-	-	-	11	1.1	<1	-	-	-
TP17_05 Jul 06_3-	TP17	3	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP17_05 Jul 06_3.8-	TP17	3.8	5/07/2006	GHD 2006	-	-	-	-	16	3.6	<1	-	-	-
TP18_05 Jul 06_0.1-	TP18	0.1	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP18_05 Jul 06_1-	TP18	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP18_05 Jul 06_2-	TP18	2	5/07/2006	GHD 2006	-	-	-	-	6.8	1.7	<1	-	-	-
TP18_05 Jul 06_3-	TP18	3	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP18_05 Jul 06_4-	TP18	4	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP19_05 Jul 06_0.5-	TP19	0.5	5/07/2006	GHD 2006	-	-	-	-	<1	1.2	<1	-	-	-
TP19_05 Jul 06_1-	TP19	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP19_05 Jul 06_2-	TP19	2	5/07/2006	GHD 2006	-	-	-	-	4	1.2	<1	-	-	-
TP19_05 Jul 06_3-	TP19	3	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP19_05 Jul 06_4-	TP19	4	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP20 _05 Jul 06_0.1-	TP20	0.1	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP20 _05 Jul 06_1-	TP20	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP20 _05 Jul 06_2-	TP20	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP20 _05 Jul 06_3-	TP20	3	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP20 _05 Jul 06_4-	TP20	4	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP20 (QC13)_05 Jul 06_4-	TP20 (QC13)	4	5/07/2006	GHD 2006	-	-	-	-	<0.5	<0.5	<0.5	-	-	-
TP21 _05 Jul 06_0.5-	TP21	0.5	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP21 _05 Jul 06_1-	TP21	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP21 _05 Jul 06_2-	TP21	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP21 _05 Jul 06_3-	TP21	3	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP21 _05 Jul 06_4-	TP21	4	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP22 _05 Jul 06_0.1-	TP22	0.1	5/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP22 _05 Jul 06_1-	TP22	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP22 _05 Jul 06_2-	TP22	2	5/07/2006	GHD 2006	-	-	-	-	43	12	<1	-	-	-
TP22 _05 Jul 06_3.6-	TP22	3.6	5/07/2006	GHD 2006	-	-	-	-	3.5	<1	<1	-	-	-
TP23 (QC16)_05 Jul 06_4-	TP23 (QC16)	4	5/07/2006	GHD 2006	-	-	-	-	2.4	<1	<1	-	-	-
TP23_06 Jul 06_0.5-	TP23	0.5	6/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP23_06 Jul 06_1-	TP23	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP23_06 Jul 06_2-	TP23	2	6/07/2006	GHD 2006	-	-	-	-	91	25	2	-	-	-
TP23_06 Jul 06_4-	TP23	4	6/07/2006	GHD 2006	-	-	-	-	36	10	<1	-	-	-
TP24_06 Jul 06_0.5-	TP24	0.5	6/07/2006	GHD 2006	-	-	-	-	1.7	<1	<1	-	-	-
TP24_06 Jul 06_1-	TP24	1	6/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP24_06 Jul 06_2-	TP24	2	6/07/2006	GHD 2006	-	-	-	-	190	71	8.2	-	-	-
TP24_06 Jul 06_3-	TP24	3	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP24_06 Jul 06_4-	TP24	4	6/07/2006	GHD 2006	-	-	-	-	4.8	<1	<1	-	-	-
TP24 (QC17)_06 Jul 06_3-	TP24 (QC17)	3	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP25_06 Jul 06_0.5-	TP25	0.5	6/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP25_06 Jul 06_1-	TP25	1	6/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	<1	-
TP25_06 Jul 06_2-	TP25	2	6/07/2006	GHD 2006	-	-	-	-	370	99	8.6	-	-	-
TP25_06 Jul 06_3-	TP25	3	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP25_06 Jul 06_4-	TP25	4	6/07/2006	GHD 2006	-	-	-	-	2.9	<1	<1	-	-	-
TP25 (QC18)_06 Jul 06_2-	TP25 (QC18)	2	6/07/2006	GHD 2006	-	-	-	-	20.7	6.2	0.8	-	-	-
TP26 _06 Jul 06_0.5-	TP26	0.5	6/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	<1	-
TP26 _06 Jul 06_1-	TP26	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP26 _06 Jul 06_2-	TP26	2	6/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP26 _06 Jul 06_3-	TP26	3	6/07/2006	GHD 2006	-	-	-	-	61	24	4.8	-	-	-
TP26 _06 Jul 06_4-	TP26	4	6/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-
TP26 (QC19)_06 Jul 06_1-	TP26 (QC19)	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-
TP27_06 Jul 06_0.5-	TP27	0.5	6/07/2006	GHD 2006	-	-	-	-	<1	<1	<1	-	-	-

Appendix D
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Historical Soil Results - Management Limits

					OP Pesticides	MAH			PCBs		TPH

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					OP Pesticides	MAH			PCBs		TPH
					Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil														
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**										
Exc2_V10_26 May 14_3.4-	Exc2_V10	3.4	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V11_27 May 14_1.7-	Exc2_V11	1.7	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V12_28 May 14_3.5-	Exc2_V12	3.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V13_30 May 14_1.8-	Exc2_V13	1.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V14_31 May 14_3.5-	Exc2_V14	3.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V15_02 Jun 14_2.2-	Exc2_V15	2.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V17_05 Jun 14_1.5-	Exc2_V17	1.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V18_06 Jun 14_3.4-	Exc2_V18	3.4	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V19_07 Jun 14_1.4-	Exc2_V19	1.4	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V20_08 Jun 14_2.9-	Exc2_V20	2.9	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V21_09 Jun 14_1.2-	Exc2_V21	1.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V22_10 Jun 14_2.5-	Exc2_V22	2.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V23_11 Jun 14_1.5-	Exc2_V23	1.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V24_12 Jun 14_2.8-	Exc2_V24	2.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V04 (DUP201)_19 May 14_2.9-	Exc2_V04 (DUP201)	2.9	19/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V06 (DUP103)_22 May 14_3-	Exc2_V06 (DUP103)	3	22/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V07_23 May 14_1.8-	Exc2_V07	1.8	23/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V12 (DUP102)_29 May 14_3.5-	Exc2_V12 (DUP102)	3.5	29/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V14 (DUP101)_01 Jun 14_3.5-	Exc2_V14 (DUP101)	3.5	1/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V16_03 Jun 14_3.2-	Exc2_V16	3.2	3/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc2_V16 (DUP200)_04 Jun 14_3.2-	Exc2_V16 (DUP200)	3.2	4/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
BH1_13 Jun 14_1-1.2	BH1	1-1.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH1_13 Jun 14_2.2-2.4	BH1	2.2-2.4	13/06/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH2_13 Jun 14_1-1.2	BH2	1-1.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH2_13 Jun 14_2-2.2	BH2	2-2.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH3_13 Jun 14_1-1.2	BH3	1-1.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH3_13 Jun 14_2.2-2.4	BH3	2.2-2.4	13/06/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH4_13 Jun 14_1-1.2	BH4	1-1.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH4_13 Jun 14_2.3-2.5	BH4	2.3-2.5	13/06/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
Exc1_VA1_13 Jun 14_2-	Exc1_VA1	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA10_13 Jun 14_2-	Exc1_VA10	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA11_13 Jun 14_2.5-	Exc1_VA11	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA11 (DUP111)_13 Jun 14_2.5-	Exc1_VA11 (DUP111)	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA12_13 Jun 14_2.5-	Exc1_VA12	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA12 (DUP210)_13 Jun 14_2.5-	Exc1_VA12 (DUP210)	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA13_13 Jun 14_1-	Exc1_VA13	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA14_13 Jun 14_2-	Exc1_VA14	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA2_13 Jun 14_2-	Exc1_VA2	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA3_13 Jun 14_2.5-	Exc1_VA3	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA4_13 Jun 14_2.5-	Exc1_VA4	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA4 (DUP110)_13 Jun 14_2.5-	Exc1_VA4 (DUP110)	2.5	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA5_13 Jun 14_1-	Exc1_VA5	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA6_13 Jun 14_2-	Exc1_VA6	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA7_13 Jun 14_1-	Exc1_VA7	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA8_13 Jun 14_2-	Exc1_VA8	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA9_13 Jun 14_1-	Exc1_VA9	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA15_16 Jun 14_1-	Exc1_VA15	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA16_16 Jun 14_2-	Exc1_VA16	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA17_16 Jun 14_2.5-	Exc1_VA17	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA18_16 Jun 14_2.5-	Exc1_VA18	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA18 (DUP112)_16 Jun 14_2.5-	Exc1_VA18 (DUP112)	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA19_16 Jun 14_1-	Exc1_VA19	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA20_16 Jun 14_2-	Exc1_VA20	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA21_16 Jun 14_1-	Exc1_VA21	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA22_16 Jun 14_2-	Exc1_VA22	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA23_16 Jun 14_2.5-	Exc1_VA23	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA23 (DUP211)_16 Jun 14_2.5-	Exc1_VA23 (DUP211)	2.5	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA24_16 Jun 14_1-	Exc1_VA24	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA25_16 Jun 14_2-	Exc1_VA25	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA26_17 Jun 14_1-	Exc1_VA26	1	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA27_17 Jun 14_2-	Exc1_VA27	2	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA28_17 Jun 14_1-	Exc1_VA28	1	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-

					OP Pesticides	MAH			PCBs		TPH
	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	Volatile Hydrocarbons (VH6-10)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil										

SampleCode	Location_Code	Sample_Depth_Range	Sampled_Date_Time	SampleComments										
Exc1_VA29_17 Jun 14_2-	Exc1_VA29	2	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
Exc1_VA30_17 Jun 14_2.5-	Exc1_VA30	2.5	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
BH5_02 Jul 14_0.8-1	BH5	0.8-1	2/07/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH5_02 Jul 14_1.3-1.4	BH5	1.3-1.4	2/07/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH6_02 Jul 14_0.8-1	BH6	0.8-1	2/07/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
BH6_02 Jul 14_1.3-1.5	BH6	1.3-1.5	2/07/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA1_02 Jul 14_-	VA1	0.8	2/07/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA2_02 Jul 14_-	VA2	0.8	2/07/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
VA3_02 Jul 14_-	VA3	0.8	2/07/2014	Golder 2014 (21)	<0.1	<0.1	-	-	-	-	-	<0.1	-	-
LF1/1_11 Jul 14_-	LF1/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF1/2_11 Jul 14_-	LF1/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF1/3_11 Jul 14_-	LF1/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF1/4_11 Jul 14_-	LF1/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF1/5_11 Jul 14_-	LF1/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF1/6_11 Jul 14_-	LF1/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF4/1_11 Jul 14_-	LF4/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF4/2_11 Jul 14_-	LF4/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF4/3_11 Jul 14_-	LF4/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF4/4_11 Jul 14_-	LF4/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF4/5_11 Jul 14_-	LF4/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF4/6_11 Jul 14_-	LF4/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
SP3/1_11 Jul 14_-	SP3/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
SP3/2_11 Jul 14_-	SP3/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
SP3/3_11 Jul 14_-	SP3/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
SP3/4_11 Jul 14_-	SP3/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF2/1_21 Jul 14_-	LF2/1		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF2/2_21 Jul 14_-	LF2/2		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF2/3_21 Jul 14_-	LF2/3		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF2/4_21 Jul 14_-	LF2/4		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF2/5_21 Jul 14_-	LF2/5		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/1_05 Aug 14_-	LF3/1		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP130)_05 Aug 14_-	LF3/1 (DUP130)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP230)_05 Aug 14_-	LF3/1 (DUP230)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/10_05 Aug 14_-	LF3/10		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/11_05 Aug 14_-	LF3/11		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/12_05 Aug 14_-	LF3/12		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/13_05 Aug 14_-	LF3/13		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/13 (DUP132)_05 Aug 14_-	LF3/13 (DUP132)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/14_05 Aug 14_-	LF3/14		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/15_05 Aug 14_-	LF3/15		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/16_05 Aug 14_-	LF3/16		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/2_05 Aug 14_-	LF3/2		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/3_05 Aug 14_-	LF3/3		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/4_05 Aug 14_-	LF3/4		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/5_05 Aug 14_-	LF3/5		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/6_05 Aug 14_-	LF3/6		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/7_05 Aug 14_-	LF3/7		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP131)_05 Aug 14_-	LF3/7 (DUP131)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP231)_05 Aug 14_-	LF3/7 (DUP231)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/8_05 Aug 14_-	LF3/8		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
LF3/9_05 Aug 14_-	LF3/9		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01_08 Aug 14_3-	ExcMLP_V01	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP140)_08 Aug 14_3-	ExcMLP_V01 (DUP140)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V01 (DUP230)_08 Aug 14_3-	ExcMLP_V01 (DUP230)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V02_08 Aug 14_3-	ExcMLP_V02	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V03_08 Aug 14_3-	ExcMLP_V03	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V04_08 Aug 14_3-	ExcMLP_V04	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V05_08 Aug 14_3-	ExcMLP_V05	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06_08 Aug 14_3-	ExcMLP_V06	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP141)_08 Aug 14_3-	ExcMLP_V06 (DUP141)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V06 (DUP231)_08 Aug 14_3-	ExcMLP_V06 (DUP231)	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-
ExcMLP_V07_08 Aug 14_3-	ExcMLP_V07	3	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-

Appendix D
Table D3
Historical Soil Results - Management Limits

					OP Pesticides	MAH			PCBs		TPH

Appendix D
Table D4
Historical Soil Results - EILs and ESLs

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999									
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 EIL-Urban Residential- Public Open Space																																		
0-2m	**100**		**190[#1]**	**60[#1]**	**1100**		**30[#1]**	**70[#1]**							**170**																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																		
0-2m									*50*	*85*	*70*			*105*				*180 [#2]*			*120 [#3]*	*300*	*2800*	*180 [#2]*	*120 [#3]*	*300*	*2800*						

SampleCode	Location_Code	Sample_Depth_Range	Sampled_Date_Time	SampleComments																														
SE4__0-0.5	SE4	0-0.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	-	-	-	-	-
SE6__0.2-0.5	SE6	0.2-0.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	*2552*	183	2736	-	-	-	-	-
SE6__0.5-1	SE6	0.5-1	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	*7281*	689	7969	-	-	-	-	-
SE6__1.3-1.5	SE6	1.3-1.5	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	*5632*	666	6298	-	-	-	-	-
SE7__0.2-0.4	SE7	0.2-0.4	3/08/1995	JET 2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	*10,105*	648	10,754	-	-	-	-	-
SS01__-	SS01		16/05/1996	WWC 1996	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS03__-	SS03		16/05/1996	WWC 1996	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS08__-	SS08		16/05/1996	WWC 1996	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15__-	SS15		16/05/1996	WWC 1996	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS16__-	SS16		16/05/1996	WWC 1996	-	-	-	-	9	-	-	1	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	35	83	-	-	-	-	-	-	-	-
SS17__-	SS17		16/05/1996	WWC 1996	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_20 Apr 98_0.5-	BH1	0.5	20/04/1998	PPK 1998	1	<1	95	<1	15	0.1	7	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_20 Apr 98_1.5-	BH1	1.5	20/04/1998	PPK 1998	7	<1	86	3	22	<0.1	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_20 Apr 98_0.5-	BH10	0.5	20/04/1998	PPK 1998	10	<1	59	17	23	<0.1	7	**473**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_20 Apr 98_0.5-	BH11	0.5	20/04/1998	PPK 1998	5	<1	29	10	32	<0.1	6	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_20 Apr 98_0.5-	BH12	0.5	20/04/1998	PPK 1998	<1	<1	30	5	17	<0.1	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_0.35-	BH13	0.35	20/04/1998	PPK 1998	1	<1	5	11	8	<0.1	12	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13_20 Apr 98_0.5-	BH13	0.5	20/04/1998	PPK 1998	<1	<1	88	<1	12	<0.1	5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_20 Apr 98_0.5-	BH14	0.5	20/04/1998	PPK 1998	23	1	28	4	17	0.1	5	**257**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_20 Apr 98_0.5-	BH15	0.5	20/04/1998	PPK 1998	4	<1	32	9	36	0.1	3	**78**	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH16_20 Apr 98_0.5-	BH16	0.5	20/04/1998	PPK 1998	8	<1	75	<1	14	<0.1	6	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_20 Apr 98_0.5-	BH17	0.5	20/04/1998	PPK 1998	7	<1	87	<1	11	<0.1	3	1	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH18_20 Apr 98_0.5-	BH18	0.5	20/04/1998	PPK 1998	2	<1	33	9	55	0.1	12	**70**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH19_20 Apr 98_1.5-	BH19	1.5	20/04/1998	PPK 1998	5	<1	26	21	42	<0.1	8	46	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	*542*	373	915	-	-	-	-	-
BH2_20 Apr 98_0.5-	BH2	0.5	20/04/1998	PPK 1998	5	<1	93	1	8	<0.1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21_20 Apr 98_0.5-	BH21	0.5	20/04/1998	PPK 1998	4	<1	34	18	36	<0.1	7	**129**	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	109	10.6	535	654.6	<0.5	<0.5	<0.5	<0.5	<0.5
BH21_20 Apr 98_1.8-	BH21	1.8	20/04/1998	PPK 1998	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	66	*6570*	325	6961	-	-	-	-	-
BH22_20 Apr 98_0.5-	BH22	0.5	20/04/1998	PPK 1998	4	<1	43	**232**	472	0.8	9	**529**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	0.7	1
BH23_20 Apr 98_0.5-	BH23	0.5	20/04/1998	PPK 1998	2	<1	25	2	51	<0.1	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
BH23_20 Apr 98_1.5-	BH23	1.5	20/04/1998	PPK 1998	6	<1	48	<1	10	<0.1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH23 (DUP)_20 Apr 98_1.5-	BH23 (DUP)	1.5	20/04/1998	PPK 1998	4	<1	55	1	16	<0.1	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_0.5-	BH24	0.5	20/04/1998	PPK 1998	3	<1	47	11	92	<0.1	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_1-	BH24	1	20/04/1998	PPK 1998	6	<1	63	3	15	<0.1	5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_20 Apr 98_1.5-	BH24	1.5	20/04/1998	PPK 1998	5	<1	63	6	13	<0.1	<1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUP)_20 Apr 98_1-	BH24 (DUP)	1	20/04/1998	PPK 1998	7	<1	60	1	7	<0.1	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24 (DUPa)_20 Apr 98_1.5-	BH24 (DUPa)	1.5	20/04/1998	PPK 1998	<1	1	46	<1	5	<0.1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3_20 Apr 98_0.5-	BH3	0.5	20/04/1998	PPK 1998	<1	<1	105	<1	12	<0.1	4	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4_20 Apr 98_0.5-	BH4	0.5	20/04/1998	PPK 1998	2	<1	94	1	13	<0.1	6	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_20 Apr 98_0.5-	BH5	0.5	20/04/1998	PPK 1998	21	<1	6	4	3	0.1	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
BH6_20 Apr 98_0.5-	BH6	0.5	20/04/1998	PPK 1998	1	1	22	20	61	<0.1	12	**97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7_20 Apr 98_0.5-	BH7	0.5	20/04/1998	PPK 1998	7	<1	95	1	14	<0.1	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH8_20 Apr 98_0.5-	BH8	0.5	20/04/1998	PPK 1998	4	<1	72	1	10	<0.1	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9_20 Apr 98_0.5-	BH9	0.5	20/04/1998	PPK 1998	5	<1	47	8	68	0.2	8	**171**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25_31 May 02_0.3-	BH25	0.3	31/05/2002	PPK 2002	<1	1	51	**99**	420	0.32	23	**510**	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	*500*	200	700	<0.5	2.6	3.4	17	27
BH25_31 May 02_1-	BH25	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH25 (DUP)_31 May 02_0.3-	BH25 (DUP)	0.3	31/05/2002	PPK 2002	<1	1	46	**77**	460	0.46	19	**510**	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	200	120	320	<0.5	0.6	0.7	4	7
BH25 (DUPa)_31 May 02_0.3-	BH25 (DUPa)	0.3	31/05/2002	PPK 2002	4	1	41	**66**	408	0.3	17	**497**	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	*331*	221	552	<0.5	2.9	2.9	15.1	16
BH26_31 May 02_0.3-	BH26	0.3	31/05/2002	PPK 2002	<1	<1	32	11	40	<0.1	24	68	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH26_31 May 02_1-	BH26	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH27_31 May 02_0.8-	BH27	0.8	31/05/2002	PPK 2002	<1	<1	48	18	72	0.07	10	**77**	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	0.5	0.5	1.2	2
BH28_31 May 02_0.3-	BH28	0.3	31/05/2002	PPK 2002	7	<1	64	<1	8	<0.1	4	16	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH28_31 May 02_0.9-	BH28	0.9	31/05/2002	PPK 2002	12	<1	56	<1	9	<0.1	<1	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH28 (DUP)_31 May 02_0.3-	BH28 (DUP)	0.3	31/05/2002	PPK 2002	7	<1	75	<1	<1	0.06	4	15	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH29_31 May 02_0.3-	BH29	0.3	31/05/2002	PPK 2002	<1	<1	100	30	<1	<0.1	**95**	51	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH29_31 May 02_1-	BH29	1	31/05/2002	PPK 2002	7	<1	84	<1	<1	<0.1	5	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH30_31 May 02_0.3-	BH30	0.3	31/05/2002	PPK 2002	<1	<1	34	<1	16	0.74	3	48	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	0.8	1
BH30_31 May 02_1-	BH30	1	31/05/2002	PPK 2002	7	<1	80	<1	<1	0.07	4	17	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	-	-	-	<2	<10	120	<50	120	-	-	-	-	-

Appendix D
Table D4
Historical Soil Results - EILs and ESLs

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999									
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 EIL-Urban Residential- Public Open Space																																		
0-2m	**100**		**190[#1]**	**60[#1]**	**1100**		**30[#1]**	**70[#1]**							**170**																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																		
0-2m									*50*	*85*	*70*			*105*				*180 [#2]*			*120 [#3]*	*300*	*2800*	*180 [#2]*	*120 [#3]*	*300*	*2800*						

SampleCode	Location_Code	Sample_Depth_Range	Sampled_Date_Time	SampleComments																														
BH31_31 May 02_0.3-	BH31	0.3	31/05/2002	PPK 2002	<1	<1	42	<1	<1	<0.1	6	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	<0.5	<0.5	<0.5	<0.5	<0.5
BH31_31 May 02_1-	BH31	1	31/05/2002	PPK 2002	6	<1	89	<1	<1	<0.1	7	10	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH31 (DUP)_31 May 02_1-	BH31 (DUP)	1	31/05/2002	PPK 2002	5	<1	84	<1	<1	<0.1	10	11	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH32_31 May 02_0.3-	BH32	0.3	31/05/2002	PPK 2002	<1	<1	23	13	42	0.21	8	**73**	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	120	70	190	-	-	-	-	-
BH33_31 May 02_0.5-	BH33	0.5	31/05/2002	PPK 2002	6	<1	57	12	52	<0.1	16	**110**	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH34_31 May 02_0.5-	BH34	0.5	31/05/2002	PPK 2002	<1	<1	56	8	18	0.07	18	44	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH34_31 May 02_2-	BH34	2	31/05/2002	PPK 2002	<1	<1	48	<1	<1	<0.1	6	6	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH35_31 May 02_0.3-	BH35	0.3	31/05/2002	PPK 2002	<1	<1	63	11	<1	<0.1	21	26	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	50	50	<0.5	<0.5	<0.5	<0.5	<0.5
BH35_31 May 02_2-	BH35	2	31/05/2002	PPK 2002	10	<1	78	<1	7	<0.1	3	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH36_31 May 02_0.3-	BH36	0.3	31/05/2002	PPK 2002	8	<1	88	<1	<1	0.07	5	12	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
BH36_31 May 02_2-	BH36	2	31/05/2002	PPK 2002	11	<1	73	<1	7	<0.1	<1	7	<0.2	<1	<1	<1	<2	-	-	<3	-	-	-	-	-	-	-	<2	<10	<50	<50	<110	-	-	-	-	-
TP1_04 Jul 06_0.1-	TP1	0.1	4/07/2006	GHD 2006	-	-	-	-	39	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	<0.2
TP1_04 Jul 06_0.5-	TP1	0.5	4/07/2006	GHD 2006	-	-	-	-	45	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	*400*	<100	400	<0.1	0.5	1.2	2.4	3.2
TP10_04 Jul 06_0.1-	TP10	0.1	4/07/2006	GHD 2006	-	-	-	-	36	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP10_04 Jul 06_1-	TP10	1	4/07/2006	GHD 2006	-	-	-	-	31	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP11_04 Jul 06_0.5-	TP11	0.5	4/07/2006	GHD 2006	-	-	-	-	470	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	0.1	0.2	1.1	2
TP11_04 Jul 06_1-	TP11	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP11_04 Jul 06_2-	TP11	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP2_04 Jul 06_0.5-	TP2	0.5	4/07/2006	GHD 2006	-	-	-	-	44	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.4
TP2_04 Jul 06_2-	TP2	2	4/07/2006	GHD 2006	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP3_04 Jul 06_0.5-	TP3	0.5	4/07/2006	GHD 2006	-	-	-	-	390	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	0.2	0.3	1	1.9
TP4_04 Jul 06_0.5-	TP4	0.5	4/07/2006	GHD 2006	-	-	-	-	350	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	*320*	<100	320	<0.1	0.9	1.3	5.1	9.1
TP4_04 Jul 06_1-	TP4	1	4/07/2006	GHD 2006	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP5_04 Jul 06_0.1-	TP5	0.1	4/07/2006	GHD 2006	-	-	-	-	160	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP5_04 Jul 06_2-	TP5	2	4/07/2006	GHD 2006	-	-	-	-	12	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP6_04 Jul 06_0.5-	TP6	0.5	4/07/2006	GHD 2006	-	-	-	-	230	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.1	0.3
TP7_04 Jul 06_0.1-	TP7	0.1	4/07/2006	GHD 2006	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.3	0.4
TP7_04 Jul 06_1-	TP7	1	4/07/2006	GHD 2006	-	-	-	-	15	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP8_04 Jul 06_0.5-	TP8	0.5	4/07/2006	GHD 2006	-	-	-	-	210	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	290	<100	290	0.1	1.1	2.5	6.5	9
TP8_04 Jul 06_2-	TP8	2	4/07/2006	GHD 2006	-	-	-	-	14	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP9_04 Jul 06_0.1-	TP9	0.1	4/07/2006	GHD 2006	-	-	-	-	21	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP9_04 Jul 06_1-	TP9	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP9_04 Jul 06_2-	TP9	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP12_05 Jul 06_0.1-	TP12	0.1	5/07/2006	GHD 2006	-	-	-	-	16	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP12_05 Jul 06_2-	TP12	2	5/07/2006	GHD 2006	-	-	-	-	47	-	-	-	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	98	<100	<100	98	<0.1	<0.1	<0.1	0.2	0.3
TP13_05 Jul 06_0.5-	TP13	0.5	5/07/2006	GHD 2006	5.7	<1	32	**64**	190	0.29	4.7	**200**	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP13_05 Jul 06_1-	TP13	1	5/07/2006	GHD 2006	6.2	<1	48	4.3	50	0.19	6	38	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	290	<100	290	<0.1	<0.1	<0.1	<0.1	<0.2
TP14_05 Jul 06_0.5-	TP14	0.5	5/07/2006	GHD 2006	5.7	<1	22	7	43	0.11	5.1	**70**	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	0.2
TP14_05 Jul 06_2-	TP14	2	5/07/2006	GHD 2006	<4	<1	13	5.8	39	<0.1	3.3	**140**	<1	<1	3.7	-	-	19.3	2.8	-	-	-	-	-	-	-	-	<25	93	<100	<100	93	<0.1	<0.1	<0.1	<0.1	0.2
TP14 (QC9)_05 Jul 06_2-	TP14 (QC9)	2	5/07/2006	GHD 2006	16	<1	17	6	36	<0.1	3	57	1.4	<0.5	13.6	-	-	68.8	5	-	-	-	-	-	-	-	-	*274*	*130*	<100	<100	130	<0.5	<0.5	<0.5	<0.5	<0.2
TP19_05 Jul 06_0.5-	TP19	0.5	5/07/2006	GHD 2006	7	<1	40	6.1	34	<0.1	4.1	37	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP19_05 Jul 06_1-	TP19	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP19_05 Jul 06_2-	TP19	2	5/07/2006	GHD 2006	7.2	<1	30	<1	18	<0.1	1.3	8.4	<1	<1	1.8	-	-	3.9	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20 _05 Jul 06_0.1-	TP20	0.1	5/07/2006	GHD 2006	5.1	<1	45	2.1	32	<0.1	4.4	25	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP20 _05 Jul 06_1-	TP20	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP20 _05 Jul 06_2-	TP20	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP21 _05 Jul 06_0.5-	TP21	0.5	5/07/2006	GHD 2006	4.5	<1	54	<1	13	<0.1	5	19	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP21 _05 Jul 06_1-	TP21	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP21 _05 Jul 06_2-	TP21	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP22 _05 Jul 06_0.1-	TP22	0.1	5/07/2006	GHD 2006	4.7	<1	40	2.9	45	<0.1	3.8	35	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP22 _05 Jul 06_1-	TP22	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP22 _05 Jul 06_2-	TP22	2	5/07/2006	GHD 2006	7.2	<1	45	<1	17	<0.1	1.9	5.8	<1	<1	6.1	-	-	47.2	6.7	-	-	-	-	-	-	-	-	48	52	<100	<100	52	<0.1	<0.1	<0.1	<0.1	<0.2
TP27_06 Jul 06_0.5-	TP27	0.5	6/07/2006	GHD 2006	<4	<1	26	8.6	150	0.28	4.6	**150**	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP27_06 Jul 06_1-	TP27	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	-	-	-	-	-
TP27_06 Jul 06_2-	TP27	2	6/07/2006	GHD 2006	8.2	<1	60	<1	16	0.15	3.7	1.4	2.6	4.4	*130*	-	-	*549*	19	-	-	-	-	-	-	-	-	*450*	59	<100	<100	59	<0.1	<0.1	<0.1	<0.1	<0.2
TP28_06 Jul 06_0.1-	TP28	0.1	6/07/2006	GHD 2006	4.4	<1	43	4.7	66	0.31	6.6	**75**	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	<0.1	<0.2
TP28_06 Jul 06_1-	TP28	1	6/07/2006	GHD 2006	4.5	<1	31	48	450	0.23	7.3	**290**	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	<25	<50	<100	<100	<250	<0.1	<0.1	<0.1	0.2	0.3

Appendix D
Table D4
Historical Soil Results - EILs and ESLs

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999									
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 EIL-Urban Residential- Public Open Space																																		
0-2m	**100**		**190[#1]**	**60[#1]**	**1100**		**30[#1]**	**70[#1]**							**170**																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																		
0-2m									*50*	*85*	*70*			*105*				*180 [#2]*			*120 [#3]*	*300*	*2800*	*180 [#2]*	*120 [#3]*	*300*	*2800*						

SampleCode	Location_Code	Sample_Depth_Range	Sampled_Date_Time	SampleComments																														
TP28_06 Jul 06_2-	TP28	2	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 _06 Jul 06_0.5-	TP30	0.5	6/07/2006	GHD 2006	4.8	<1	46	41	**1300**	0.26	6.1	**150**	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 _06 Jul 06_1-	TP30	1	6/07/2006	GHD 2006	5.2	<1	35	17	380	0.16	5.6	**100**	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 _06 Jul 06_2-	TP30	2	6/07/2006	GHD 2006	<4	<1	29	2.3	39	<0.1	4.5	22	2.7	<1	3	-	-	22	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 _06 Jul 06_0.1-	TP31	0.1	6/07/2006	GHD 2006	8.1	<1	57	<1	30	0.13	4.1	22	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 _06 Jul 06_1-	TP31	1	6/07/2006	GHD 2006	5.9	<1	59	1.6	39	0.14	5.1	26	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32_06 Jul 06_0.1-	TP32	0.1	6/07/2006	GHD 2006	4.8	<1	46	3.2	38	0.12	5.8	28	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32_06 Jul 06_1-	TP32	1	6/07/2006	GHD 2006	6.9	<1	52	2.2	38	0.4	5.7	30	<1	<1	<1	-	-	<3	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_17 Apr 14_0.3-0.5	BH1	0.3-0.5	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	-	-	-	-	-
BH4_17 Apr 14_0.8-2	BH4	0.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	-	-	-	-	-
BH5_17 Apr 14_1.8-2	BH5	1.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	-	-	-	-	-
BH6_17 Apr 14_1.8-2	BH6	1.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	-	-	-	-	<25	<25	<50	<50	<100	<100	<25	<50	<100	<100	<250	-	-	-	-	-
Exc2_V01_15 May 14_1.2-	Exc2_V01	1.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc2_V09_25 May 14_1.8-	Exc2_V09	1.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc2_V11_27 May 14_1.7-	Exc2_V11	1.7	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc2_V13_30 May 14_1.8-	Exc2_V13	1.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc2_V17_05 Jun 14_1.5-	Exc2_V17	1.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc2_V19_07 Jun 14_1.4-	Exc2_V19	1.4	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc2_V21_09 Jun 14_1.2-	Exc2_V21	1.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc2_V23_11 Jun 14_1.5-	Exc2_V23	1.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc2_V07_23 May 14_1.8-	Exc2_V07	1.8	23/05/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
BH1_13 Jun 14_1-1.2	BH1	1-1.2	13/06/2014	Golder 2014 (21)	<4	<0.4	60	<1	8	<0.1	9	7	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH2_13 Jun 14_1-1.2	BH2	1-1.2	13/06/2014	Golder 2014 (21)	4	<0.4	59	<1	11	<0.1	7	8	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH3_13 Jun 14_1-1.2	BH3	1-1.2	13/06/2014	Golder 2014 (21)	<4	<0.4	45	8	31	<0.1	6	31	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH4_13 Jun 14_1-1.2	BH4	1-1.2	13/06/2014	Golder 2014 (21)	<4	<0.4	45	9	18	<0.1	12	38	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	*760*	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH5_02 Jul 14_0.8-1	BH5	0.8-1	2/07/2014	Golder 2014 (21)	4	<0.4	62	<1	8	<0.1	5	18	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	*1200*	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH5_02 Jul 14_1.3-1.4	BH5	1.3-1.4	2/07/2014	Golder 2014 (21)	5	<0.4	71	<1	11	<0.1	5	7	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH6_02 Jul 14_0.8-1	BH6	0.8-1	2/07/2014	Golder 2014 (21)	4	1	70	<1	11	<0.1	6	20	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
BH6_02 Jul 14_1.3-1.5	BH6	1.3-1.5	2/07/2014	Golder 2014 (21)	4	0.6	71	<1	10	<0.1	10	11	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
VA1_02 Jul 14_-	VA1		2/07/2014	Golder 2014 (21)	1	0.9	40	10	57	<0.1	11	43	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	390	*390*	*8800*	<100	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
VA2_02 Jul 14_-	VA2		2/07/2014	Golder 2014 (21)	<4	3	7	1	4	<0.1	<1	27	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	1300	*1300*	*30,000*	210	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
VA3_02 Jul 14_-	VA3		2/07/2014	Golder 2014 (21)	<4	13	19	32	45	<0.1	16	55	<0.2	<0.5	<1	<1	<2	-	<1	-	-	<25	<25	830	*830*	*20,000*	170	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2
Exc1_VA1_13 Jun 14_2-	Exc1_VA1	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA10_13 Jun 14_2-	Exc1_VA10	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	44	44	130	*130*	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA13_13 Jun 14_1-	Exc1_VA13	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA14_13 Jun 14_2-	Exc1_VA14	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA2_13 Jun 14_2-	Exc1_VA2	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA5_13 Jun 14_1-	Exc1_VA5	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA6_13 Jun 14_2-	Exc1_VA6	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA7_13 Jun 14_1-	Exc1_VA7	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA8_13 Jun 14_2-	Exc1_VA8	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA9_13 Jun 14_1-	Exc1_VA9	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA15_16 Jun 14_1-	Exc1_VA15	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA16_16 Jun 14_2-	Exc1_VA16	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA19_16 Jun 14_1-	Exc1_VA19	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA20_16 Jun 14_2-	Exc1_VA20	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	2	<1	3	3	2	-	5	*210*	210	76	76	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA21_16 Jun 14_1-	Exc1_VA21	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA22_16 Jun 14_2-	Exc1_VA22	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA24_16 Jun 14_1-	Exc1_VA24	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA25_16 Jun 14_2-	Exc1_VA25	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA26_17 Jun 14_1-	Exc1_VA26	1	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	*210*	210	120	*120*	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA27_17 Jun 14_2-	Exc1_VA27	2	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA28_17 Jun 14_1-	Exc1_VA28	1	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
Exc1_VA29_17 Jun 14_2-	Exc1_VA29	2	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
LF1/1_11 Jul 14_-	LF1/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
LF1/2_11 Jul 14_-	LF1/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-
LF1/3_11 Jul 14_-	LF1/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-

	Metals								BTEXN									TRH - NEPM 2013						TRH - NEPM 1999									
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	Xylenes (Sum of Total) - Calc	BTEX (Sum of Total) - Lab Calc	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total) - Calc	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(b)&(k)fluoranthene
	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
NEPM 2013 EIL-Urban Residential- Public Open Space																																		
0-2m	**100**		**190[#1]**	**60[#1]**	**1100**		**30[#1]**	**70[#1]**							**170**																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																		
0-2m									*50*	*85*	*70*			*105*				*180 [#2]*			*120 [#3]*	*300*	*2800*	*180 [#2]*	*120 [#3]*	*300*	*2800*						

SampleCode	Location_Code	Sample_Depth_Range	Sampled_Date_Time	SampleComments																															
LF1/4_11 Jul 14_-	LF1/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF1/5_11 Jul 14_-	LF1/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF1/6_11 Jul 14_-	LF1/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF4/1_11 Jul 14_-	LF4/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	32	32	84	84	<100	<100	-	-	-	-	-	-	-	-	-	-
LF4/2_11 Jul 14_-	LF4/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF4/3_11 Jul 14_-	LF4/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF4/4_11 Jul 14_-	LF4/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	61	61	<100	<100	-	-	-	-	-	-	-	-	-	-
LF4/5_11 Jul 14_-	LF4/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	56	56	<100	<100	-	-	-	-	-	-	-	-	-	-
LF4/6_11 Jul 14_-	LF4/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	110	110	<100	<100	-	-	-	-	-	-	-	-	-	-
SP3/1_11 Jul 14_-	SP3/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
SP3/2_11 Jul 14_-	SP3/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
SP3/3_11 Jul 14_-	SP3/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
SP3/4_11 Jul 14_-	SP3/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF2/1_21 Jul 14_-	LF2/1		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF2/2_21 Jul 14_-	LF2/2		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF2/3_21 Jul 14_-	LF2/3		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF2/4_21 Jul 14_-	LF2/4		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF2/5_21 Jul 14_-	LF2/5		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/1_05 Aug 14_-	LF3/1		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP130)_05 Aug 14_-	LF3/1 (DUP130)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP230)_05 Aug 14_-	LF3/1 (DUP230)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/10_05 Aug 14_-	LF3/10		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/11_05 Aug 14_-	LF3/11		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/12_05 Aug 14_-	LF3/12		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/13_05 Aug 14_-	LF3/13		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/13 (DUP132)_05 Aug 14_-	LF3/13 (DUP132)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/14_05 Aug 14_-	LF3/14		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/15_05 Aug 14_-	LF3/15		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/16_05 Aug 14_-	LF3/16		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/2_05 Aug 14_-	LF3/2		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/3_05 Aug 14_-	LF3/3		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/4_05 Aug 14_-	LF3/4		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/5_05 Aug 14_-	LF3/5		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/6_05 Aug 14_-	LF3/6		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/7_05 Aug 14_-	LF3/7		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP131)_05 Aug 14_-	LF3/7 (DUP131)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP231)_05 Aug 14_-	LF3/7 (DUP231)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/8_05 Aug 14_-	LF3/8		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF3/9_05 Aug 14_-	LF3/9		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V18_08 Aug 14_1.5-	ExcMLP_V18	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V20_08 Aug 14_1.5-	ExcMLP_V20	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V22_08 Aug 14_1.5-	ExcMLP_V22	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V24_11 Aug 14_1.5-	ExcMLP_V24	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V25_11 Aug 14_1.5-	ExcMLP_V25	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V26_11 Aug 14_1.5-	ExcMLP_V26	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V27_11 Aug 14_1.5-	ExcMLP_V27	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V28_11 Aug 14_1.5-	ExcMLP_V28	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	0.3	<0.5	<1	<1	<2	<3	4	-	0	*240*	240	130	*130*	<100	120	-	-	-	-	-	-	-	-	-	-
ExcMLP_V29_11 Aug 14_1-	ExcMLP_V29	1	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V30_11 Aug 14_1-	ExcMLP_V30	1	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V31_11 Aug 14_1.3-	ExcMLP_V31	1.3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V32_11 Aug 14_1.3-	ExcMLP_V32	1.3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
ExcMLP_V33_11 Aug 14_1.5-	ExcMLP_V33	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	1	<0.5	7	<1	5	5	2	-	0	130	130	68	68	<100	<100	-	-	-	-	-	-	-	-	-	-
LF5/1_28 Aug 14_-	LF5/1		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF5/1 (DUP150)_28 Aug 14_-	LF5/1 (DUP150)		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF5/2_28 Aug 14_-	LF5/2		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF5/2 (DUP151)_28 Aug 14_-	LF5/2 (DUP151)		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	-	-	-	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-
LF5/3_28 Aug 14_-	LF5/3		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	<0.2	<0.5	<1	<1	<2	<3	<1	-	0	<25	<25	<50	<50	<100	<100	-	-	-	-	-	-	-	-	-	-

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Appendix D
Table D4
Historical Soil Results - EILs and ESLs

						PAHs												Phenols		VOCs					OC Pesticic											
						Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Naphthalene	Fluorene	Indeno(1,2,3-c,d)pyrene	PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)
						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
NEPM 2013 EIL-Urban Residential- Public Open Space																																			
0-2m											**170**				**170**																				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																			
0-2m						*0.7*																													
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																															
LF1/4_11 Jul 14_-	LF1/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/5_11 Jul 14_-	LF1/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/6_11 Jul 14_-	LF1/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/1_11 Jul 14_-	LF4/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/2_11 Jul 14_-	LF4/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/3_11 Jul 14_-	LF4/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/4_11 Jul 14_-	LF4/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/5_11 Jul 14_-	LF4/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/6_11 Jul 14_-	LF4/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/1_11 Jul 14_-	SP3/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/2_11 Jul 14_-	SP3/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/3_11 Jul 14_-	SP3/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/4_11 Jul 14_-	SP3/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/1_21 Jul 14_-	LF2/1		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/2_21 Jul 14_-	LF2/2		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/3_21 Jul 14_-	LF2/3		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/4_21 Jul 14_-	LF2/4		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/5_21 Jul 14_-	LF2/5		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1_05 Aug 14_-	LF3/1		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP130)_05 Aug 14_-	LF3/1 (DUP130)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP230)_05 Aug 14_-	LF3/1 (DUP230)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/10_05 Aug 14_-	LF3/10		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/11_05 Aug 14_-	LF3/11		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/12_05 Aug 14_-	LF3/12		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13_05 Aug 14_-	LF3/13		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13 (DUP132)_05 Aug 14_-	LF3/13 (DUP132)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/14_05 Aug 14_-	LF3/14		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/15_05 Aug 14_-	LF3/15		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/16_05 Aug 14_-	LF3/16		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/2_05 Aug 14_-	LF3/2		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/3_05 Aug 14_-	LF3/3		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/4_05 Aug 14_-	LF3/4		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/5_05 Aug 14_-	LF3/5		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/6_05 Aug 14_-	LF3/6		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7_05 Aug 14_-	LF3/7		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP131)_05 Aug 14_-	LF3/7 (DUP131)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP231)_05 Aug 14_-	LF3/7 (DUP231)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/8_05 Aug 14_-	LF3/8		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/9_05 Aug 14_-	LF3/9		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V18_08 Aug 14_1.5-	ExcMLP_V18	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V20_08 Aug 14_1.5-	ExcMLP_V20	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V22_08 Aug 14_1.5-	ExcMLP_V22	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V24_11 Aug 14_1.5-	ExcMLP_V24	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V25_11 Aug 14_1.5-	ExcMLP_V25	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V26_11 Aug 14_1.5-	ExcMLP_V26	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V27_11 Aug 14_1.5-	ExcMLP_V27	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V28_11 Aug 14_1.5-	ExcMLP_V28	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V29_11 Aug 14_1-	ExcMLP_V29	1	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V30_11 Aug 14_1-	ExcMLP_V30	1	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V31_11 Aug 14_1.3-	ExcMLP_V31	1.3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V32_11 Aug 14_1.3-	ExcMLP_V32	1.3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V33_11 Aug 14_1.5-	ExcMLP_V33	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1_28 Aug 14_-	LF5/1		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1 (DUP150)_28 Aug 14_-	LF5/1 (DUP150)		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2_28 Aug 14_-	LF5/2		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2 (DUP151)_28 Aug 14_-	LF5/2 (DUP151)		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/3_28 Aug 14_-	LF5/3		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

						PAHs												Phenols		VOCs					OC Pesticid										
						Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Naphthalene	Fluorene	Indeno(1,2,3-c,d)pyrene	PAHs (Sum of Total) - Calc	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc	Total 8 PAHs (as BaP TEQ)(full LOR) - Lab Calc	Phenolics Total	Phenols	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	Tetrachloroethene	TOTAL VOCS	DDT (total)	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (gamma)	d-BHC	4,4 DDD	DDE	Dieldrin	Endosulfan I (alpha)
						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
NEPM 2013 EIL-Urban Residential- Public Open Space																																		
0-2m											**170**				**170**																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																		
0-2m						*0.7*																												
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																														
LF5/4_28 Aug 14_-	LF5/4		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/5_28 Aug 14_-	LF5/5		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/6_28 Aug 14_-	LF5/6		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17__0.5-	BH17	0.5			<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.5	-	0.212	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH21__0.5-	BH21	0.5			<0.05	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	-	-	0.9	0.7	6.7	-	0.212	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH22__0.5-	BH22	0.5			*0.8*	<0.1	0.7	<0.1	1.2	<0.1	<0.1	<0.1	-	-	0.7	1.3	9.65	-	1.188	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH23__0.5-	BH23	0.5			<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.5	-	0.212	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH25__0.3-	BH25	0.3			*17*	9	14	2	26	0.8	<0.1	12	-	-	7.8	26	160	-	27.53	0.2	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH27__0.8-	BH27	0.8			*1*	0.5	1	<0.1	3	<0.1	<0.1	0.8	-	-	3	2.4	15	-	1.715	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH28__0.3-	BH28	0.3			<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.5	-	0.212	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH30__0.3-	BH30	0.3			*0.8*	<0.1	0.7	<0.1	1.8	<0.1	<0.1	0.6	-	-	1	1.6	8.6	-	1.248	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31__0.3-	BH31	0.3			<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.5	-	0.212	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35__0.3-	BH35	0.3			<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.5	-	0.212	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH36__0.3-	BH36	0.3			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH5__0.5-	BH5	0.5			<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.5	-	0.212	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA1__0.3-	QA1	0.3			<0.05	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.5	-	0.212	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA4__0.3-	QA4	0.3			*14*	2.2	3.6	0.7	6.4	<0.1	<0.1	3.2	-	-	2.2	6.4	41	-	16.878	0.2	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA4a__0.3-	QA4a	0.3			*10.2*	5.2	12.4	1.7	20.3	0.9	<0.1	5	-	-	5.8	22.2	120	-	17.286	0.9	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Statistical Summary																																		
Number of Results					81	81	81	81	81	14	81	81	42	67	81	81	14	11	81	28	22	42	42	42	42	8	40	40	40	40	40	40	40	40	40	40
Number of Detects					30	17	32	9	35	2	3	21	35	21	29	36	7	0	81	8	1	3	4	0	1	8	0	0	0	0	0	0	0	0	0	0
Minimum Concentration					<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.5	<0.5	0.212	<0.1	0.6	<1	<1	<0.5	<0.5	1.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Minimum Detect					0.05	0.1	0.1	0.2	0.1	0.8	0.1	0.1	0.1	0.1	0.1	0.1	6.7	ND	0.212	0.1	0.6	2.2	1.8	ND	2	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration					17	9	14	2	26	0.9	0.8	12	160	2.8	9.6	26	160	<0.5	27.53	0.9	<1	6.3	16	<1	2	1074.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Maximum Detect					17	9	14	2	26	0.9	0.8	12	160	2.8	9.6	26	160	ND	27.53	0.9	0.6	6.3	16	ND	2	1074.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration					1.2	0.59	1.1	0.2	2	0.16	0.1	0.73	14	0.33	0.89	2	26	0.25	2.2	0.14	0.5	0.74	1.2	0.49	0.53	182	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Median Concentration					0.025	0.05	0.1	0.05	0.1	0.05	0.05	0.05	1.9	0.05	0.05	0.1	3.475	0.25	0.212	0.05	0.5	0.5	0.5	0.5	0.5	45.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Standard Deviation					3.5	1.7	3	0.41	5.4	0.29	0.12	2.1	33	0.58	2	5.5	50	0	5.4	0.22	0.021	0.99	2.6	0.039	0.24	365	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances					17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)					17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Env Stds Comments

#1:Develop site specific based on CEC, pH, clay content, state and traffic volume
#2:To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.
#3:Errata 30 April 2014 - Naphthalene should not be subtracted from >C10-C16 (as there is no separate ESL for naphthalene)

Appendix D
Table D4
Historical Soil Results - EILs and ESLs

													OP Pesticides	MAH			PCBs		TPH	

Appendix D
Table D4
Historical Soil Results - EILs and ESLs

					les									OP Pesticides	MAH			PCBs		TPH	
					Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	TVH	Volatile Hydrocarbons (VH6-10)
					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
NEPM 2013 EIL-Urban Residential- Public Open Space																					
0-2m																					
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																					
0-2m																					
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																	
BH31_31 May 02_0.3-	BH31	0.3	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_31 May 02_1-	BH31	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31 (DUP)_31 May 02_1-	BH31 (DUP)	1	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32_31 May 02_0.3-	BH32	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-	-
BH33_31 May 02_0.5-	BH33	0.5	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34_31 May 02_0.5-	BH34	0.5	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-	-
BH34_31 May 02_2-	BH34	2	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_31 May 02_0.3-	BH35	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-	-
BH35_31 May 02_2-	BH35	2	31/05/2002	PPK 2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH36_31 May 02_0.3-	BH36	0.3	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-	-
BH36_31 May 02_2-	BH36	2	31/05/2002	PPK 2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<1	-	-	-
TP1_04 Jul 06_0.1-	TP1	0.1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP1_04 Jul 06_0.5-	TP1	0.5	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP10_04 Jul 06_0.1-	TP10	0.1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP10_04 Jul 06_1-	TP10	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP11_04 Jul 06_0.5-	TP11	0.5	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP11_04 Jul 06_1-	TP11	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11_04 Jul 06_2-	TP11	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2_04 Jul 06_0.5-	TP2	0.5	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP2_04 Jul 06_2-	TP2	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP3_04 Jul 06_0.5-	TP3	0.5	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP4_04 Jul 06_0.5-	TP4	0.5	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP4_04 Jul 06_1-	TP4	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP5_04 Jul 06_0.1-	TP5	0.1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP5_04 Jul 06_2-	TP5	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP6_04 Jul 06_0.5-	TP6	0.5	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP7_04 Jul 06_0.1-	TP7	0.1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP7_04 Jul 06_1-	TP7	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP8_04 Jul 06_0.5-	TP8	0.5	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP8_04 Jul 06_2-	TP8	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP9_04 Jul 06_0.1-	TP9	0.1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP9_04 Jul 06_1-	TP9	1	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9_04 Jul 06_2-	TP9	2	4/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12_05 Jul 06_0.1-	TP12	0.1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP12_05 Jul 06_2-	TP12	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP13_05 Jul 06_0.5-	TP13	0.5	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP13_05 Jul 06_1-	TP13	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP14_05 Jul 06_0.5-	TP14	0.5	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP14_05 Jul 06_2-	TP14	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	12	2.4	<1	-	-	-	-
TP14 (QC9)_05 Jul 06_2-	TP14 (QC9)	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	41.7	13.2	1.8	-	-	-	-
TP19_05 Jul 06_0.5-	TP19	0.5	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	1.2	<1	-	-	-	-
TP19_05 Jul 06_1-	TP19	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19_05 Jul 06_2-	TP19	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	4	1.2	<1	-	-	-	-
TP20 _05 Jul 06_0.1-	TP20	0.1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP20 _05 Jul 06_1-	TP20	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20 _05 Jul 06_2-	TP20	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21 _05 Jul 06_0.5-	TP21	0.5	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP21 _05 Jul 06_1-	TP21	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21 _05 Jul 06_2-	TP21	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP22 _05 Jul 06_0.1-	TP22	0.1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP22 _05 Jul 06_1-	TP22	1	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP22 _05 Jul 06_2-	TP22	2	5/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	43	12	<1	-	-	-	-
TP27_06 Jul 06_0.5-	TP27	0.5	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP27_06 Jul 06_1-	TP27	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27_06 Jul 06_2-	TP27	2	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	260	79	8.3	-	-	-	-
TP28_06 Jul 06_0.1-	TP28	0.1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP28_06 Jul 06_1-	TP28	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-

Appendix D
Table D4
Historical Soil Results - EILs and ESLs

					les									OP Pesticides	MAH			PCBs		TPH	
					Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	TVH	Volatile Hydrocarbons (VH6-10)
					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
NEPM 2013 EIL-Urban Residential- Public Open Space																					
0-2m																					
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																					
0-2m																					
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																	
TP28_06 Jul 06_2-	TP28	2	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 _06 Jul 06_0.5-	TP30	0.5	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP30 _06 Jul 06_1-	TP30	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	<1	-	-
TP30 _06 Jul 06_2-	TP30	2	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	15	3.4	<1	-	-	-	-
TP31 _06 Jul 06_0.1-	TP31	0.1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP31 _06 Jul 06_1-	TP31	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP32_06 Jul 06_0.1-	TP32	0.1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
TP32_06 Jul 06_1-	TP32	1	6/07/2006	GHD 2006	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
BH1_17 Apr 14_0.3-0.5	BH1	0.3-0.5	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4_17 Apr 14_0.8-2	BH4	0.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5_17 Apr 14_1.8-2	BH5	1.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6_17 Apr 14_1.8-2	BH6	1.8-2	17/04/2014	Golder 2014 (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V01_15 May 14_1.2-	Exc2_V01	1.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V09_25 May 14_1.8-	Exc2_V09	1.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V11_27 May 14_1.7-	Exc2_V11	1.7	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V13_30 May 14_1.8-	Exc2_V13	1.8	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V17_05 Jun 14_1.5-	Exc2_V17	1.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V19_07 Jun 14_1.4-	Exc2_V19	1.4	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V21_09 Jun 14_1.2-	Exc2_V21	1.2	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V23_11 Jun 14_1.5-	Exc2_V23	1.5	15/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc2_V07_23 May 14_1.8-	Exc2_V07	1.8	23/05/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1_13 Jun 14_1-1.2	BH1	1-1.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
BH2_13 Jun 14_1-1.2	BH2	1-1.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
BH3_13 Jun 14_1-1.2	BH3	1-1.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
BH4_13 Jun 14_1-1.2	BH4	1-1.2	13/06/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
BH5_02 Jul 14_0.8-1	BH5	0.8-1	2/07/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
BH5_02 Jul 14_1.3-1.4	BH5	1.3-1.4	2/07/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
BH6_02 Jul 14_0.8-1	BH6	0.8-1	2/07/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
BH6_02 Jul 14_1.3-1.5	BH6	1.3-1.5	2/07/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
VA1_02 Jul 14_-	VA1		2/07/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
VA2_02 Jul 14_-	VA2		2/07/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
VA3_02 Jul 14_-	VA3		2/07/2014	Golder 2014 (21)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-
Exc1_VA1_13 Jun 14_2-	Exc1_VA1	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA10_13 Jun 14_2-	Exc1_VA10	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA13_13 Jun 14_1-	Exc1_VA13	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA14_13 Jun 14_2-	Exc1_VA14	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA2_13 Jun 14_2-	Exc1_VA2	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA5_13 Jun 14_1-	Exc1_VA5	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA6_13 Jun 14_2-	Exc1_VA6	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA7_13 Jun 14_1-	Exc1_VA7	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA8_13 Jun 14_2-	Exc1_VA8	2	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA9_13 Jun 14_1-	Exc1_VA9	1	13/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA15_16 Jun 14_1-	Exc1_VA15	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA16_16 Jun 14_2-	Exc1_VA16	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA19_16 Jun 14_1-	Exc1_VA19	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA20_16 Jun 14_2-	Exc1_VA20	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA21_16 Jun 14_1-	Exc1_VA21	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA22_16 Jun 14_2-	Exc1_VA22	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA24_16 Jun 14_1-	Exc1_VA24	1	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA25_16 Jun 14_2-	Exc1_VA25	2	16/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA26_17 Jun 14_1-	Exc1_VA26	1	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA27_17 Jun 14_2-	Exc1_VA27	2	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA28_17 Jun 14_1-	Exc1_VA28	1	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exc1_VA29_17 Jun 14_2-	Exc1_VA29	2	17/06/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/1_11 Jul 14_-	LF1/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/2_11 Jul 14_-	LF1/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/3_11 Jul 14_-	LF1/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix D
Table D4
Historical Soil Results - EILs and ESLs

					ies										OP Pesticides	MAH			PCBs		TPH	
					Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	TVH	Volatile Hydrocarbons (VH6-10)
					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
NEPM 2013 EIL-Urban Residential- Public Open Space																						
0-2m																						
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																						
0-2m																						
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																		
LF1/4_11 Jul 14_-	LF1/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/5_11 Jul 14_-	LF1/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF1/6_11 Jul 14_-	LF1/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/1_11 Jul 14_-	LF4/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/2_11 Jul 14_-	LF4/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/3_11 Jul 14_-	LF4/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/4_11 Jul 14_-	LF4/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/5_11 Jul 14_-	LF4/5		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF4/6_11 Jul 14_-	LF4/6		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/1_11 Jul 14_-	SP3/1		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/2_11 Jul 14_-	SP3/2		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/3_11 Jul 14_-	SP3/3		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP3/4_11 Jul 14_-	SP3/4		11/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/1_21 Jul 14_-	LF2/1		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/2_21 Jul 14_-	LF2/2		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/3_21 Jul 14_-	LF2/3		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/4_21 Jul 14_-	LF2/4		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF2/5_21 Jul 14_-	LF2/5		21/07/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1_05 Aug 14_-	LF3/1		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP130)_05 Aug 14_-	LF3/1 (DUP130)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/1 (DUP230)_05 Aug 14_-	LF3/1 (DUP230)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/10_05 Aug 14_-	LF3/10		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/11_05 Aug 14_-	LF3/11		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/12_05 Aug 14_-	LF3/12		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13_05 Aug 14_-	LF3/13		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/13 (DUP132)_05 Aug 14_-	LF3/13 (DUP132)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/14_05 Aug 14_-	LF3/14		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/15_05 Aug 14_-	LF3/15		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/16_05 Aug 14_-	LF3/16		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/2_05 Aug 14_-	LF3/2		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/3_05 Aug 14_-	LF3/3		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/4_05 Aug 14_-	LF3/4		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/5_05 Aug 14_-	LF3/5		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/6_05 Aug 14_-	LF3/6		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7_05 Aug 14_-	LF3/7		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP131)_05 Aug 14_-	LF3/7 (DUP131)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/7 (DUP231)_05 Aug 14_-	LF3/7 (DUP231)		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/8_05 Aug 14_-	LF3/8		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF3/9_05 Aug 14_-	LF3/9		5/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V18_08 Aug 14_1.5-	ExcMLP_V18	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V20_08 Aug 14_1.5-	ExcMLP_V20	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V22_08 Aug 14_1.5-	ExcMLP_V22	1.5	8/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V24_11 Aug 14_1.5-	ExcMLP_V24	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V25_11 Aug 14_1.5-	ExcMLP_V25	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V26_11 Aug 14_1.5-	ExcMLP_V26	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V27_11 Aug 14_1.5-	ExcMLP_V27	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V28_11 Aug 14_1.5-	ExcMLP_V28	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V29_11 Aug 14_1-	ExcMLP_V29	1	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V30_11 Aug 14_1-	ExcMLP_V30	1	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V31_11 Aug 14_1.3-	ExcMLP_V31	1.3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V32_11 Aug 14_1.3-	ExcMLP_V32	1.3	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ExcMLP_V33_11 Aug 14_1.5-	ExcMLP_V33	1.5	11/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1_28 Aug 14_-	LF5/1		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/1 (DUP150)_28 Aug 14_-	LF5/1 (DUP150)		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2_28 Aug 14_-	LF5/2		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/2 (DUP151)_28 Aug 14_-	LF5/2 (DUP151)		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/3_28 Aug 14_-	LF5/3		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix D
Table D4
Historical Soil Results - EILs and ESLs

					Ies									OP Pesticides	MAH			PCBs		TPH	
					Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxychlordane	trans-Nonachlor	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	PCBs (Sum of Total) - Calc	PCBs (Total)	TVH	Volatile Hydrocarbons (VH6-10)
					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
NEPM 2013 EIL-Urban Residential- Public Open Space																					
0-2m																					
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																					
0-2m																					
SampleCode	**Location_Code**	**Sample_Depth_Range**	**Sampled_Date_Time**	**SampleComments**																	
LF5/4_28 Aug 14_-	LF5/4		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/5_28 Aug 14_-	LF5/5		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF5/6_28 Aug 14_-	LF5/6		28/08/2014	Golder 2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17__0.5-	BH17	0.5			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
BH21__0.5-	BH21	0.5			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
BH22__0.5-	BH22	0.5			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
BH23__0.5-	BH23	0.5			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
BH25__0.3-	BH25	0.3			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
BH27__0.8-	BH27	0.8			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
BH28__0.3-	BH28	0.3			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
BH30__0.3-	BH30	0.3			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-
BH31__0.3-	BH31	0.3			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-
BH35__0.3-	BH35	0.3			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
BH36__0.3-	BH36	0.3			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	-	-
BH5__0.5-	BH5	0.5			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
QA1__0.3-	QA1	0.3			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
QA4__0.3-	QA4	0.3			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
QA4a__0.3-	QA4a	0.3			<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-
Statistical Summary																					
Number of Results					40	40	40	27	40	40	40	40	40	29	29	42	42	42	53	1	14	2
Number of Detects					0	0	0	0	0	0	0	0	0	0	0	6	7	2	0	0	0	0
Minimum Concentration					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1	<1	<0.1	<0.5
Minimum Detect					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	1.2	1.8	ND	ND	ND	ND
Maximum Concentration					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	260	79	8.3	<1	<1	<0.1	<0.5
Maximum Detect					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	79	8.3	ND	ND	ND	ND
Average Concentration					0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	9.4	3.1	0.72	0.27		0.05	
Median Concentration					0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.5	0.5	0.25	0.5	0.05	0.25
Standard Deviation					0	0	0	0	0	0	0	0	0	0	0	41	12	1.2	0.22		0	
Number of Guideline Exceedances					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Env Stds Comments

#1:Develop site specific based on CEC, pH, clay content, state and traffic volume
#2:To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.
#3:Errata 30 April 2014 - Naphthalene should not be subtracted from >C10-C16 (as there is no separate ESL for naphthalene)

| | BTEXN | | | | | | TRH - NEPM 2013 | | | | | | TRH - NEPM 1999 | | | | | PAHs | | | | | |

| | BTEXN | | | | | | TRH - NEPM 2013 | | | | | | TRH - NEPM 1999 | | | | | PAHs | | | | | |

	VOCs / SVOCs																																								MNA			
	Cyclohexane	Dibromomethane	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Trichloroethene	tert-butylbenzene	Tetrachloroethene	trans-1,3-dichloropropene	trans-1,2-dichloroethene	Trichlorofluoromethane	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Bromomethane	Dichlorodifluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	1,4-dichlorobenzene	2,2-dichloropropane	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Bromochloromethane	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	cis-1,2-dichloroethene	Hexachlorobutadiene	Vinyl chloride	Methane	Manganese (soluble) (Filtered)	Ferrous Iron	Nitrate (as N)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
ADWG 2011 Recreational (v3.5 updated 2018)									500							300	10						300				15000	30			400						30	3000				7	3				112.9[#2]
ANZG (2018) - Freshwater - 95% level of species protection																						6500			170[#4]		160				60																
NEPM 2013 Table 1A(4) HSL A/B Res GW for Vapour Intrusion, Sand																																															
2-4m																																															
4-8m																																															
>8m																																															

Location_Code	Sampled_Date_Time	SampleCode	Sample_Type																																															
MW11A	1/11/2013	MW11A_01 Nov 13_-	Normal	-	-	<1	<1	<1	<1	-	<1	-	-	-	-	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	0.17	<0.005
MW11B	1/11/2013	MW11B_01 Nov 13_-	Normal	-	-	<1	<1	<1	1	-	<1	-	-	-	-	<1	<1	7	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<0.05	<0.005
MW18A	3/06/2016	MW18A_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<5	<0.05	2.6
MW19A	1/06/2015	MW19A_01 Jun 15_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	8	0.6	0.091
MW20A	3/06/2016	MW20A_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	89	4.3	11
MW20B	3/06/2016	MW20B_03 Jun 16_-	Normal	13	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<10	5	<1	8	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	76	0.6	22
MW22A	3/06/2016	MW22A_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	42	<0.05	11
MW22B	3/06/2016	MW22B_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	5	<1	4	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	3	<1	<10	-	34	<0.05	0.93
MW30A	1/11/2013	MW30A_01 Nov 13_-	Normal	-	-	4	21	2	3	-	<1	-	-	-	-	4	5	12	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW30B	1/11/2013	MW30B_01 Nov 13_-	Normal	-	-	6	69	<1	6	-	<1	-	-	-	-	18	26	42	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW31A	1/11/2013	MW31A_01 Nov 13_-	Normal	-	-	3	41	<1	2	-	<1	-	-	-	-	<1	<1	19	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW31B	1/11/2013	MW31B_01 Nov 13_-	Normal	-	-	6	94	<1	6	-	<1	-	-	-	-	1	<1	31	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW33A	3/06/2016	MW33A_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW33B	3/06/2016	MW33B_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW3B	3/06/2016	MW3B_03 Jun 16_-	Normal	<1	<1	2	9	<1	1	<1	<1	15	<1	<1	<10	<1	<1	6	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW3C	3/06/2016	MW3C_03 Jun 16_-	Normal	<1	<1	1	5	<1	1	<1	<1	14	<1	<1	<10	<1	<1	7	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW40A	3/06/2016	MW40A_03 Jun 16_-	Normal	1	<1	1	2	<1	2	<1	<1	<1	<1	<1	<10	<1	<1	6	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3800	-	-	-
MW40B	3/06/2016	MW40B_03 Jun 16_-	Normal	3	<1	<1	16	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	17	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1600	-	-	-
MW41A	3/06/2016	MW41A_03 Jun 16_-	Normal	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW41B	3/06/2016	MW41B_03 Jun 16_-	Normal	7	<1	<1	<1	<1	<1	<1	<1	3	<1	<1	<10	<1	<1	7	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	370	-	-	-
MW42A	3/06/2016	MW42A_03 Jun 16_-	Normal	1	<1	<1	4	<1	1	<1	<1	<1	<1	<1	<10	<1	<1	7	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW42B	3/06/2016	MW42B_03 Jun 16_-	Normal	4	<1	<1	<1	<1	<1	2	<1	2	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW43A	3/06/2016	MW43A_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW43B	3/06/2016	MW43B_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	2	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW44A	3/06/2016	MW44A_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	12	36	9.6	0.006
MW44B	3/06/2016	MW44B_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	6	33	34	0.007
MW45A	3/06/2016	MW45A_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	1	<1	<1	8	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW45B	3/06/2016	MW45B_03 Jun 16_-	Normal	3	<1	<1	9	<1	4	<1	<1	<1	<1	<1	<10	28	<1	12	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW46A	3/06/2016	MW46A_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
MW46B	3/06/2016	MW46B_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	4	<1	<1	<1	<1	<1	<10	<1	<1	27	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	610	-	-	-
MW4B	3/06/2016	MW4B_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<10	<1	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	23	<5	2	0.12
MW4C	3/06/2016	MW4C_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<0.05	2.5
MW6A	1/11/2013	MW6A_01 Nov 13_-	Normal	-	-	1	<1	<1	<1	-	<1	-	-	-	-	<1	<1	3	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW6B	1/11/2013	MW6B_01 Nov 13_-	Normal	-	-	<1	<1	<1	2	-	<1	-	-	-	-	2	<1	18	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW8A	1/11/2013	MW8A_01 Nov 13_-	Normal	-	-	2	15	<1	2	-	<1	-	-	-	-	<1	<1	8	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	48	<0.005
MW8B	1/11/2013	MW8B_01 Nov 13_-	Normal	-	-	4	24	<1	5	-	<1	-	-	-	-	38	<1	44	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	11	0.024
(QC100) MW20B	3/06/2016	QC100_03 Jun 16_-	Normal	11	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<10	5	<1	9	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
(QC101) MW22B	3/06/2016	QC101_03 Jun 16_-	Normal	<1	<1	<1	<1	<1	<1	5	<1	4	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	4	<1	<10	-	-	-	-

Statistical Summary

Number of Results	28	28	38	38	38	38	28	38	28	28	28	28	38	38	38	38	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	8	14	14	14
Number of Detects	9	0	10	12	1	17	3	0	8	0	0	0	8	2	23	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	2	0	0	0	0	0	0	0	0	2	0	0	7	10	9	11
Minimum Concentration	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<10	<5	<5	<0.05	<0.005
Minimum Detect	1	ND	1	2	2	1	2	ND	2	ND	ND	ND	1	5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	6	8	0.17	0.006
Maximum Concentration	13	<1	6	94	2	6	5	<1	15	<1	<1	<10	38	26	44	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<10	4	<1	<10	3800	120	48	22
Maximum Detect	13	ND	6	94	2	6	5	ND	15	ND	ND	ND	38	26	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	3800	120	48	22
Average Concentration	1.9	0.5	1.2	8.5	0.54	1.4	0.88	0.5	2.2	0.5	0.5	5	3.1	1.3	8	0.5	5	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.91	0.5	0.5	0.54	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	0.71	0.5	5	803	43	7.9	3.6
Median Concentration	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	0.5	0.5	2.5	0.5	5	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	0.5	0.5	5	196.5	35	0.6	0.1055
Standard Deviation	3.2	0	1.5	20	0.24	1.6	1.2	0	3.9	0	0	0	7.8	4.2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.13	0	0	0	0	0	0	0	0	0.8	0	0	1328	38	15	6.6
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Env Stds Comments

	VOCs / SVOCs																																						MNA			
	Cyclohexane	Dibromomethane	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Trichloroethene	tert-butylbenzene	Tetrachloroethene	trans-1,3-dichloropropene	trans-1,2-dichloroethene	Trichlorofluoromethane	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Bromomethane	Dichlorodifluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	1,4-dichlorobenzene	2,2-dichloropropane	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Bromochloromethane	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	cis-1,2-dichloroethene	Hexachlorobutadiene	Vinyl chloride	Methane	Manganese (soluble) (Filtered)	Ferrous Iron	Nitrate (as N)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
ADWG 2011 Recreational (v3.5 updated 2018)									500							300	10						300				15000	30			400						30	3000				7	3				112.9[#2]
ANZG (2018) - Freshwater - 95% level of species protection																						6500			170[#4]		160				60																
NEPM 2013 Table 1A(4) HSL A/B Res GW for Vapour Intrusion, Sand																																														
2-4m																																														
4-8m																																														
>8m																																														

Location_Code	Sampled_Date_Time	SampleCode	Sample_Type

#1:Not specifically guideline value: >500mg/L can have purgative effects
#2:Guideline value calculated by dividing Nitrate (as Nitrate) value (50 mg/L) by 4.427
#3:In absence of total Naphthalene (PAH) guideline, Total Naphthalene guideline has b
#4:DGV may not protect key test species from chronic toxicity (this refers to experimer
#5:Not limiting: Derived water HSL exceeds water solubility limit
#6:To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.
#7:To obtain F2 subtract naphthalene from the >C10 - C16 fraction.

			Soluble Major Ions				Soluble Major Anions						
	Iron (soluble) (Filtered)	Total Organic Carbon	Calcium (soluble) (Filtered)	Magnesium (soluble) (Filtered)	Potassium (soluble) (Filtered)	Sodium (soluble) (Filtered)	Hydroxide	Alkalinity (Carbonate as CaCO3)	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (total as CaCO3)	Chloride	Sulfate	Ionic Balance
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%
ADWG 2011 Recreational (v3.5 updated 2018)												5000[#1]	
ANZG (2018) - Freshwater - 95% level of species protection													
NEPM 2013 Table 1A(4) HSL A/B Res GW for Vapour Intrusion, Sand													
2-4m													
4-8m													
>8m													

Location_Code	Sampled_Date_Time	SampleCode	Sample_Type													
MW11A	1/11/2013	MW11A_01 Nov 13_-	Normal	0.011	-	17	6.7	3.4	71	<5	<5	51	51	48	78	6.6
MW11B	1/11/2013	MW11B_01 Nov 13_-	Normal	0.01	-	<0.5	5.7	0.7	67	<5	<5	<5	<5	88	4	14
MW18A	3/06/2016	MW18A_03 Jun 16_-	Normal	0.18	3	1.5	0.5	<0.5	32	<5	<5	10	10	35	13	1.8
MW19A	1/06/2015	MW19A_01 Jun 15_-	Normal	0.25	-	4.2	1.3	3.8	5.5	<5	<5	22	22	5	1	4.5
MW20A	3/06/2016	MW20A_03 Jun 16_-	Normal	3.5	7	17	5.4	7.7	26	<5	<5	12	12	30	35	18
MW20B	3/06/2016	MW20B_03 Jun 16_-	Normal	0.53	2	9.2	8.8	1.9	54	<5	<5	6	6	63	3	29
MW22A	3/06/2016	MW22A_03 Jun 16_-	Normal	0.015	2	7.5	4.3	7.5	30	<5	<5	6	6	42	16	15
MW22B	3/06/2016	MW22B_03 Jun 16_-	Normal	0.024	1	3.7	4.5	0.9	27	<5	<5	11	11	52	4	0.07
MW30A	1/11/2013	MW30A_01 Nov 13_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW30B	1/11/2013	MW30B_01 Nov 13_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW31A	1/11/2013	MW31A_01 Nov 13_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW31B	1/11/2013	MW31B_01 Nov 13_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW33A	3/06/2016	MW33A_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW33B	3/06/2016	MW33B_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW3B	3/06/2016	MW3B_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW3C	3/06/2016	MW3C_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW40A	3/06/2016	MW40A_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW40B	3/06/2016	MW40B_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW41A	3/06/2016	MW41A_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW41B	3/06/2016	MW41B_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW42A	3/06/2016	MW42A_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW42B	3/06/2016	MW42B_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW43A	3/06/2016	MW43A_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW43B	3/06/2016	MW43B_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW44A	3/06/2016	MW44A_03 Jun 16_-	Normal	7.5	4	6.5	5.6	2	54	<5	<5	<5	<5	51	150	-17
MW44B	3/06/2016	MW44B_03 Jun 16_-	Normal	33	2	11	5.4	7.7	26	<5	<5	12	12	30	35	18
MW45A	3/06/2016	MW45A_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW45B	3/06/2016	MW45B_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW46A	3/06/2016	MW46A_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW46B	3/06/2016	MW46B_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW4B	3/06/2016	MW4B_03 Jun 16_-	Normal	0.8	4	1	<0.5	<0.5	27	<5	<5	5	5	12	6	37
MW4C	3/06/2016	MW4C_03 Jun 16_-	Normal	0.067	8	0.7	<0.5	<0.5	0.7	<5	<5	<5	<5	2	7	-51
MW6A	1/11/2013	MW6A_01 Nov 13_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW6B	1/11/2013	MW6B_01 Nov 13_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
MW8A	1/11/2013	MW8A_01 Nov 13_-	Normal	40	-	3.8	5.9	7.4	49	<5	<5	32	32	82	59	-17
MW8B	1/11/2013	MW8B_01 Nov 13_-	Normal	9.5	-	0.6	3.8	0.5	52	<5	<5	15	15	71	7	2.8
(QC100) MW20B	3/06/2016	QC100_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-
(QC101) MW22B	3/06/2016	QC101_03 Jun 16_-	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-

Statistical Summary

Number of Results	14	9	14	14	14	14	14	14	14	14	14	14	14
Number of Detects	14	9	13	12	11	14	0	0	11	11	14	14	14
Minimum Concentration	0.01	1	<0.5	<0.5	<0.5	0.7	<5	<5	<5	<5	2	1	-51
Minimum Detect	0.01	1	0.6	0.5	0.5	0.7	ND	ND	5	5	2	1	ND
Maximum Concentration	40	8	17	8.8	7.7	71	<5	<5	51	51	88	150	37
Maximum Detect	40	8	17	8.8	7.7	71	ND	ND	51	51	88	150	37
Average Concentration	6.8	3.7	6	4.2	3.2	37	2.5	2.5	14	14	44	30	4.4
Median Concentration	0.39	3	4	4.95	1.95	31	2.5	2.5	10.5	10.5	45	10	5.55
Standard Deviation	13	2.4	5.7	2.6	3.1	21	0	0	14	14	27	42	22
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0

Env Stds Comments

Appendix D
Table D5
Historical Groundwater Results

			Soluble Major Ions				Soluble Major Anions						
	Iron (soluble) (Filtered)	Total Organic Carbon	Calcium (soluble) (Filtered)	Magnesium (soluble) (Filtered)	Potassium (soluble) (Filtered)	Sodium (soluble) (Filtered)	Hydroxide	Alkalinity (Carbonate as CaCO3)	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (total as CaCO3)	Chloride	Sulfate	Ionic Balance
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%
ADWG 2011 Recreational (v3.5 updated 2018)												5000[#1]	
ANZG (2018) - Freshwater - 95% level of species protection													
NEPM 2013 Table 1A(4) HSL A/B Res GW for Vapour Intrusion, Sand													
2-4m													
4-8m													
>8m													

Location_Code	Sampled_Date_Time	SampleCode	Sample_Type

#1:Not specifically guideline value: >500mg/L can have purgative effects
#2:Guideline value calculated by dividing Nitrate (as Nitrate) value (50 mg/L) by 4.427
#3:In absence of total Naphthalene (PAH) guideline, Total Naphthalene guideline has b
#4:DGV may not protect key test species from chronic toxicity (this refers to experimer
#5:Not limiting: Derived water HSL exceeds water solubility limit
#6:To obtain F1 subtract the sum of BTEX concentrations from the C6 - C10 fraction.
#7:To obtain F2 subtract naphthalene from the >C10 - C16 fraction.

		Asbestos		Particle Size	BTEX												TRH							TRH - (Silica Gel Cleanup)			TPH									
		Asbestos from ACM	Asbestos from FA & AF	% Clay*	Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total		C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		%w/w	%w/w	%	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				1	0.1	20	0.1	20	0.1	20	0.2	20	0.1	20	0.3	60	20	20	50	50	100	100	100	50	100	100	50	100	100	100	20	20	50	50	50
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt					4 | 4 | 6 | 10													250 | 360 | 590 |																
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt					0.6 | 0.7 | 1 | 2		390 | | |							95 | 210 | |		40 | 65 | 100 | 190		230 | | |											
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil					50		85		70						105			180	120	120	300	2,800			300	2,800										
NEPM 2013 Table 1A(1) HILs Res A Soil																																				
Field ID	**Date**																																			
SRT-PT002_0.5	**7/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT002_0.5	**7/6/20**																																			
SRT-PT002_1.6	**7/6/20**																																			
SRT-PT002_2.3	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT002_4.0	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT003_1.2	**21/6/20**			40	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT003_2.7	**21/6/20**			35	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT003_3.8	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT004_0.2	**20/6/20**	0.0000	0.0000	2.0	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT004_0.4	**20/6/20**	0.0000	0.0000																																	
SRT-PT004_2.0	**20/6/20**			39	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT004_5.0	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT004_8.7	**20/6/20**			38	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT004_13.2	**21/6/20**			34	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT004_14.4	**21/6/20**			30																																
SRT-PT005_1.4	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT005_4.0	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT006_2.0	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT006_2.4	**14/6/20**	0.0000	0.0000																																	
SRT-PT006_2.8	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140								<20	<20	140	<50	140
SRT-PT006_5.0	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT006_8.0	**14/6/20**			14																																
SRT-PT006_8.7	**14/6/20**				<0.1		0.2		<0.1		0.2		<0.1		<0.3																						
SRT-PT006_9.0	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																						
SRT-PT006_11.0	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT006_12.0	**14/6/20**				0.3	<20	7.8	300	1.8	60	9.7	280	3.5	130	13	410	58	35	63	63	250	<100	313	<50	110	<100	<50	120	120	<100	44	61	250	<50	311
SRT-PT006_12.7	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT007_1.5	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT007_2.8	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT007_3.7	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT008_0.25	**20/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140								<20	<20	110	<50	110
SRT-PT008_2.4	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT008_2.7	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT008_4.5	**20/6/20**			33	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT009_0.6	**6/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140								<20	<20	130	<50	130
SRT-PT009_1.5	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT009_9.8	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT009_12.4	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	69	69	380	<100	449								<20	53	380	52	485
SRT-PT010_0.2	**20/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT010_0.3	**20/6/20**	0.0000	0.0000																																	
SRT-PT010_0.6	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT010_4.5	**20/6/20**			30	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT011_0.1	**6/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT011_0.8	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT011_3.5	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT011_12.0	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<50	<100	<100	<100	<20	23	55	<50	78
SRT-PT012_1.3	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT012_2.7	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT012_3.5	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT013_0.7	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT013_0.25	**7/6/20**	0.0000	0.0000																																	
SRT-PT013_2.4	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																						
SRT-PT013_3.8	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	120	<100	120								<20	<20	110	<50	110
SRT-PT013_12.4	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	330	<100	330								<20	28	280	95	403
SRT-PT013_13.6	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	140	140								<20	28	77	<50	105
SRT-PT013_14.4	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<500	<500	<1,000	<1,000	<1,000								<20	<200	<500	<500	<500
SRT-PT014_0.2	**20/6/20**			24	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT014_4.5	**20/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT014_6.0	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT015_0.15	**20/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT015_0.35	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT015_2.2	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	21	<50	<50	<50
SRT-PT015_4.2	**20/6/20**			39	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT016_1.6	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT016_2.7	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT016_3.2	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		120	120	<50	<50	<100	<100	<100								57	<20	<50	<50	<50
SRT-PT016_3.5	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		160	160	120	119.1	<100	<100	120								81	170	<50	<50	170
SRT-PT016_4.1	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT017_1.0	**7/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	100	100	2,700	530	3,330								<20	42	2,100	920	3,062
SRT-PT017_2.4	**7/6/20**																																			
SRT-PT017_3.0	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	78	78	680	340	1,098								<20	50	520	300	870
SRT-PT017_3.3	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT017_4.5	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT017_7.0	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140								<20	<20	100	59	159
SRT-PT017_11.0	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	51	51	<100	<100	<100								<20	54	60	<50	114
SRT-PT017_15.0	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT018_0.5	**8/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	86	86	110	<100	196								<20	88	100	<50	188
SRT-PT018_2.3	**8/6/20**																																			
SRT-PT018_2.8	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT018_8.5	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	71	71	<100	<100	<100								<20	76	64	<50	140
SRT-PT018_11.2	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT018_12.2	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT019_0.165	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT020_0.32	**20/6/20**	0.0000	0.0000	5.0	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT020_1.0	**20/6/20**			6.0	2.4		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	20	72	<50	92
SRT-PT020_2.2	**20/6/20**																																			
SRT-PT020_4.1	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	21	<50	<50	<50
SRT-PT022_2.0	**13/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT022_2.6	**13/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT022_5.0	**13/6/20**			37																																
SRT-PT022_6.3	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	31	<50	<50	<50
SRT-PT022_6.7	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																						
SRT-PT022_16.3	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT023_0.20	**21/6/20**	0.0000	0.0000	33	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT023_1.5	**21/6/20**			17	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT023_1.7	**21/6/20**																																			
SRT-PT023_3.5	**21/6/20**			37	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT024_2.0	**13/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT024_4.5	**13/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT024_8.2	**13/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT024_11.2	**13/6/20**																																			
SRT-PT024_13.2	**13/6/20**			41	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT025_0.2	**19/9/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT025_1.0	**27/9/20**																																			
SRT-PT025_1.2	**27/9/20**	0.0000	0.0000	8.0	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																						
SRT-PT025_2.5	**27/9/20**	0.0000	0.0000																																	
SRT-PT025_4.0	**27/9/20**			39																																

		Asbestos		Particle Size	BTEX												TRH							TRH - (Silica Gel Cleanup)			TPH									
		Asbestos from ACM	Asbestos from FA & AF	% Clay*	Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total		C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		%w/w	%w/w	%	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				1	0.1	20	0.1	20	0.1	20	0.2	20	0.1	20	0.3	60	20	20	50	50	100	100	100	50	100	100	50	100	100	100	20	20	50	50	50
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt					4 | 4 | 6 | 10													250 | 360 | 590 |																
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt					0.6 | 0.7 | 1 | 2		390 | | |							95 | 210 | |		40 | 65 | 100 | 190		230 | | |												
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil					50		85		70						105			180	120	120	300	2,800			300	2,800										
NEPM 2013 Table 1A(1) HILs Res A Soil																																				
Field ID	**Date**																																			
SRT-PT025_5.0	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT025_8.5	**27/9/20**																<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT025_9.4	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	600	120	720								<20	<20	680	120	800
SRT-PT025_10.8	**27/9/20**																<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT025_11.7	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	450	160	610								<20	40	420	130	590
SRT-PT025_12.1	**27/9/20**																<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT025_14.8	**27/9/20**																																			
SRT-PT026_0.2	**19/9/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT026_0.4	**27/9/20**	0.0000	0.0000	21																																
SRT-PT026_0.9	**27/9/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT026_0.15	**19/9/20**	0.0000	0.0000																																	
SRT-PT026_2.1	**27/9/20**	0.0000	0.0000																																	
SRT-PT026_2.5	**27/9/20**																<20	<20	<50	<50	300	420	720								<20	<20	80	290	370
SRT-PT026_3.5	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	550	300	850								<20	<20	450	220	670
SRT-PT026_4.4	**27/9/20**																<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT026_8.0	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	180	180	360								<20	<20	100	130	230
SRT-PT026_12.1	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	130	120	250								<20	<20	77	82	159
SRT-PT027_0.25	**19/9/20**	0.0000	0.0000																																	
SRT-PT027_0.9	**20/9/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT027_1.1	**20/9/20**																																			
SRT-PT027_2.8	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT027_4.8	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT027_13.5	**20/9/20**			22																																
SRT-PT027_14.0	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT028_0.25	**19/9/20**	0.0000	0.0000																																	
SRT-PT028_0.5	**19/9/20**	0.0000	0.0000																																	
SRT-PT028_2.7	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
SRT-PT028_2.9	**20/9/20**																																			
SRT-PT028_4.9	**20/9/20**			32	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	25	<50	<50	<50
SRT-PT028_5.5	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																					
SRT-PT028_14.2	**20/9/20**			35	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50
Statistics																																				
Number of Results		30	30	25	109	2	109	2	109	2	109	2	109	2	109	2	105	105	105	105	105	105	105	4	4	4	4	4	4	4	105	105	105	105	105
Number of Detects		30	30	25	2	0	2	2	1	2	2	2	1	2	1	2	3	3	8	8	17	9	19	1	2	1	1	2	1	3	17	22	11	23
Minimum Concentration		0	0	2	<0.1	<20	<0.1	290	<0.1	60	0.2	280	<0.1	110	<0.3	390	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<50	<100	<100	<100	<20	20	<50	<50	<50
Minimum Detect		ND	ND	2	0.3	ND	0.2	290	1.8	60	0.2	280	3.5	110	13	390	58	35	51	51	110	120	120	140	110	160	62	120	120	280	44	20	55	52	78
Maximum Concentration		0	0	41	2.4	<20	7.8	300	1.8	60	9.7	280	3.5	130	13	410	160	160	<500	<500	2,700	<1,000	3,330	140	740	160	62	922	580	280	81	<200	2,100	920	3,062
Maximum Detect		0	0	41	2.4	ND	7.8	300	1.8	60	9.7	280	3.5	130	13	410	160	160	120	119.1	2,700	530	3,330	140	740	160	62	922	580	280	81	170	2,100	920	3,062
Average Concentration *		0	0	28	0.074	10	0.12	295	0.066	60	0.19	280	0.082	120	0.27	400	13	13	31	31	116	72	142	54	238	78	34	286	200	108	11	17	82	47	112
Median Concentration *		0	0	33	0.05	10	0.05	295	0.05	60	0.1	280	0.05	120	0.15	400	10	10	25	25	50	50	50	25	80	50	25	85	85	50	10	10	25	25	25
Standard Deviation *		0	0	12	0.23	0	0.74	7.1	0.17	0	0.92	0	0.33	14	1.2	14	19	18	27	27	281	83	361	58	336	55	18	426	255	115	8.9	22	226	99	329
95% UCL (Student's-t) *		0	0	31.86	0.11	10	0.24	326.6	0.0927	60	0.335	280	0.134	183.1	0.463	463.1	15.95	15.66	35.63	35.62	161.7	85.41	200.5	121.4	633.1	142.2	56.02	786.3	500.6	242.8	12.88	20.72	119.1	63.43	165.4

* A Non Detect Multiplier of 0.5 has been applied.

		Chlorinated Hydrocarbons																										Halogenated Benzenes					
		Chlorinated hydrocarbons EPA VIc	Other chlorinated hydrocarbons EPA VIc	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																			
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																			
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																			
NEPM 2013 Table 1A(1) HILs Res A Soil																																			
Field ID	**Date**																																		
SRT-PT002_0.5	**7/6/20**																																		
SRT-PT002_0.5	**7/6/20**																																		
SRT-PT002_1.6	**7/6/20**																																		
SRT-PT002_2.3	**7/6/20**																																		
SRT-PT002_4.0	**7/6/20**																																		
SRT-PT003_1.2	**21/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT003_2.7	**21/6/20**																																		
SRT-PT003_3.8	**21/6/20**																																		
SRT-PT004_0.2	**20/6/20**																																		
SRT-PT004_0.4	**20/6/20**																																		
SRT-PT004_2.0	**20/6/20**																																		
SRT-PT004_5.0	**20/6/20**																																		
SRT-PT004_8.7	**20/6/20**																																		
SRT-PT004_13.2	**21/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_14.4	**21/6/20**																																		
SRT-PT005_1.4	**21/6/20**																																		
SRT-PT005_4.0	**21/6/20**																																		
SRT-PT006_2.0	**14/6/20**																																		
SRT-PT006_2.4	**14/6/20**																																		
SRT-PT006_2.8	**14/6/20**																																		
SRT-PT006_5.0	**14/6/20**																																		
SRT-PT006_8.0	**14/6/20**																																		
SRT-PT006_8.7	**14/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_9.0	**14/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_11.0	**14/6/20**																																		
SRT-PT006_12.0	**14/6/20**																																		
SRT-PT006_12.7	**14/6/20**																																		
SRT-PT007_1.5	**21/6/20**																																		
SRT-PT007_2.8	**21/6/20**																																		
SRT-PT007_3.7	**21/6/20**																																		
SRT-PT008_0.25	**20/6/20**																																		
SRT-PT008_2.4	**20/6/20**																																		
SRT-PT008_2.7	**20/6/20**																																		
SRT-PT008_4.5	**20/6/20**																																		
SRT-PT009_0.6	**6/6/20**																																		
SRT-PT009_1.5	**6/6/20**																																		
SRT-PT009_9.8	**6/6/20**																																		
SRT-PT009_12.4	**6/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT010_0.2	**20/6/20**																																		
SRT-PT010_0.3	**20/6/20**																																		
SRT-PT010_0.6	**20/6/20**																																		
SRT-PT010_4.5	**20/6/20**																																		
SRT-PT011_0.1	**6/6/20**																																		
SRT-PT011_0.8	**6/6/20**																																		
SRT-PT011_3.5	**6/6/20**																																		
SRT-PT011_12.0	**6/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT012_1.3	**21/6/20**																																		
SRT-PT012_2.7	**21/6/20**																																		
SRT-PT012_3.5	**21/6/20**																																		
SRT-PT013_0.7	**7/6/20**																																		
SRT-PT013_0.25	**7/6/20**																																		
SRT-PT013_2.4	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_3.8	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_12.4	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_13.6	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_14.4	**7/6/20**																																		
SRT-PT014_0.2	**20/6/20**																																		
SRT-PT014_4.5	**20/6/20**																																		
SRT-PT014_6.0	**20/6/20**																																		
SRT-PT015_0.15	**20/6/20**																																		
SRT-PT015_0.35	**20/6/20**																																		
SRT-PT015_2.2	**20/6/20**																																		
SRT-PT015_4.2	**20/6/20**																																		
SRT-PT016_1.6	**20/6/20**																																		
SRT-PT016_2.7	**21/6/20**																																		
SRT-PT016_3.2	**21/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_3.5	**21/6/20**																																		
SRT-PT016_4.1	**21/6/20**																																		
SRT-PT017_1.0	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_2.4	**7/6/20**																																		
SRT-PT017_3.0	**7/6/20**																																		
SRT-PT017_3.3	**7/6/20**																																		
SRT-PT017_4.5	**7/6/20**																																		
SRT-PT017_7.0	**8/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_11.0	**8/6/20**																																		
SRT-PT017_15.0	**8/6/20**																																		
SRT-PT018_0.5	**8/6/20**																																		
SRT-PT018_2.3	**8/6/20**																																		
SRT-PT018_2.8	**8/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_8.5	**8/6/20**																																		
SRT-PT018_11.2	**8/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_12.2	**6/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT019_0.165	**20/6/20**																																		
SRT-PT020_0.32	**20/6/20**																																		
SRT-PT020_1.0	**20/6/20**																																		
SRT-PT020_2.2	**20/6/20**																																		
SRT-PT020_4.1	**20/6/20**																																		
SRT-PT022_2.0	**13/6/20**																																		
SRT-PT022_2.6	**13/6/20**																																		
SRT-PT022_5.0	**13/6/20**																																		
SRT-PT022_6.3	**14/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_6.7	**14/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_16.3	**14/6/20**																																		
SRT-PT023_0.20	**21/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT023_1.5	**21/6/20**																																		
SRT-PT023_1.7	**21/6/20**																																		
SRT-PT023_3.5	**21/6/20**																																		
SRT-PT024_2.0	**13/6/20**																																		
SRT-PT024_4.5	**13/6/20**																																		
SRT-PT024_8.2	**13/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT024_11.2	**13/6/20**																																		
SRT-PT024_13.2	**13/6/20**																																		
SRT-PT025_0.2	**19/9/20**																																		
SRT-PT025_1.0	**27/9/20**																																		
SRT-PT025_1.2	**27/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_2.5	**27/9/20**																																		
SRT-PT025_4.0	**27/9/20**																																		

		Chlorinated Hydrocarbons																												Halogenated Benzenes					
		Chlorinated hydrocarbons EPAVic	Other chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																			
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																			
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																			
NEPM 2013 Table 1A(1) HILs Res A Soil																																			
Field ID	**Date**																																		
SRT-PT025_5.0	**27/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_8.5	**27/9/20**																																		
SRT-PT025_9.4	**27/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_10.8	**27/9/20**																																		
SRT-PT025_11.7	**27/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_12.1	**27/9/20**																																		
SRT-PT025_14.8	**27/9/20**																																		
SRT-PT026_0.2	**19/9/20**																																		
SRT-PT026_0.4	**27/9/20**																																		
SRT-PT026_0.9	**27/9/20**																																		
SRT-PT026_0.15	**19/9/20**																																		
SRT-PT026_2.1	**27/9/20**																																		
SRT-PT026_2.5	**27/9/20**																																		
SRT-PT026_3.5	**27/9/20**																																		
SRT-PT026_4.4	**27/9/20**																																		
SRT-PT026_8.0	**27/9/20**																																		
SRT-PT026_12.1	**27/9/20**																																		
SRT-PT027_0.25	**19/9/20**																																		
SRT-PT027_0.9	**20/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT027_1.1	**20/9/20**																																		
SRT-PT027_2.8	**20/9/20**																																		
SRT-PT027_4.8	**20/9/20**																																		
SRT-PT027_13.5	**20/9/20**																																		
SRT-PT027_14.0	**20/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_0.25	**19/9/20**																																		
SRT-PT028_0.5	**19/9/20**																																		
SRT-PT028_2.7	**20/9/20**																																		
SRT-PT028_2.9	**20/9/20**																																		
SRT-PT028_4.9	**20/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_5.5	**20/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_14.2	**20/9/20**																																		
Statistics																																			
Number of Results		**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Median Concentration *		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**

* A Non Detect Multiplier of 0.5 has been applied.

		Halogenated Hydrocarbons						Perfluoroalkane Carboxylic Acids																				(n:2) Fluorotelomer Sulfonic Acids						
		Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	Perfluorobutanoic acid (PFBA)		Perfluorohexanoic acid (PFHxA)		Perfluoropentanoic acid (PFPeA)		Perfluoroheptanoic acid (PFHpA)		Perfluorooctanoic acid (PFOA)		Perfluorodecanoic acid (PFDA)		Perfluorododecanoic acid (PFDoDA)		Perfluorononanoic acid (PFNA)		Perfluorotetradecanoic acid (PFTeDA)		Perfluorotridecanoic acid (PFTrDA)		Perfluoroundecanoic acid (PFUnDA)		Perfluoroundecanoic acid (PFUnDA)		4:2 Fluorotelomer sulfonic acid (4:2 FTS)		6:2 Fluorotelomer sulfonic acid (6:2 FTS)		8:2 Fluorotelomer sulfonic acid (8:2 FTS)		10:2 Fluorotelomer sulfonic acid (10:2 FTS)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg
EQL		0.05	0.5	0.5	0.5	0.5	0.5	0.005	0.05	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.01	0.05	0.005	0.01	0.005
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																				
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																				
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																				
NEPM 2013 Table 1A(1) HILs Res A Soil		10																																		
Field ID	**Date**																																			
SRT-PT002_0.5	**7/6/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT002_0.5	**7/6/20**																																			
SRT-PT002_1.6	**7/6/20**	<0.05																																		
SRT-PT002_2.3	**7/6/20**																																			
SRT-PT002_4.0	**7/6/20**																																			
SRT-PT003_1.2	**21/6/20**	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT003_2.7	**21/6/20**																																			
SRT-PT003_3.8	**21/6/20**																																			
SRT-PT004_0.2	**20/6/20**	<0.05																																		
SRT-PT004_0.4	**20/6/20**																																			
SRT-PT004_2.0	**20/6/20**																																			
SRT-PT004_5.0	**20/6/20**																																			
SRT-PT004_8.7	**20/6/20**																																			
SRT-PT004_13.2	**21/6/20**	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT004_14.4	**21/6/20**																																			
SRT-PT005_1.4	**21/6/20**																																			
SRT-PT005_4.0	**21/6/20**																																			
SRT-PT006_2.0	**14/6/20**																																			
SRT-PT006_2.4	**14/6/20**	<0.05						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT006_2.8	**14/6/20**																																			
SRT-PT006_5.0	**14/6/20**																																			
SRT-PT006_8.0	**14/6/20**																																			
SRT-PT006_8.7	**14/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT006_9.0	**14/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT006_11.0	**14/6/20**																																			
SRT-PT006_12.0	**14/6/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT006_12.7	**14/6/20**																																			
SRT-PT007_1.5	**21/6/20**	<0.05																																		
SRT-PT007_2.8	**21/6/20**																																			
SRT-PT007_3.7	**21/6/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT008_0.25	**20/6/20**																																			
SRT-PT008_2.4	**20/6/20**																																			
SRT-PT008_2.7	**20/6/20**																																			
SRT-PT008_4.5	**20/6/20**																																			
SRT-PT009_0.6	**6/6/20**	<0.05																																		
SRT-PT009_1.5	**6/6/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT009_9.8	**6/6/20**																																			
SRT-PT009_12.4	**6/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT010_0.2	**20/6/20**	<0.05																																		
SRT-PT010_0.3	**20/6/20**																																			
SRT-PT010_0.6	**20/6/20**																																			
SRT-PT010_4.5	**20/6/20**																																			
SRT-PT011_0.1	**6/6/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT011_0.8	**6/6/20**																																			
SRT-PT011_3.5	**6/6/20**	<0.05																																		
SRT-PT011_12.0	**6/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT012_1.3	**21/6/20**	<0.05																																		
SRT-PT012_2.7	**21/6/20**																																			
SRT-PT012_3.5	**21/6/20**																																			
SRT-PT013_0.7	**7/6/20**	<0.05						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT013_0.25	**7/6/20**																																			
SRT-PT013_2.4	**7/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT013_3.8	**7/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT013_12.4	**7/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT013_13.6	**7/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT013_14.4	**7/6/20**																																			
SRT-PT014_0.2	**20/6/20**	<0.05						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT014_4.5	**20/6/20**	<0.05																																		
SRT-PT014_6.0	**20/6/20**																																			
SRT-PT015_0.15	**20/6/20**	<0.05						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT015_0.35	**20/6/20**																																			
SRT-PT015_2.2	**20/6/20**																																			
SRT-PT015_4.2	**20/6/20**	<0.05																																		
SRT-PT016_1.6	**20/6/20**	<0.05																																		
SRT-PT016_2.7	**21/6/20**																																			
SRT-PT016_3.2	**21/6/20**	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT016_3.5	**21/6/20**																																			
SRT-PT016_4.1	**21/6/20**																																			
SRT-PT017_1.0	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.05		0.03		<0.01		<0.01		0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.005	<0.01		<0.05		<0.01	
SRT-PT017_2.4	**7/6/20**	<0.05																																		
SRT-PT017_3.0	**7/6/20**																																			
SRT-PT017_3.3	**7/6/20**																																			
SRT-PT017_4.5	**7/6/20**																																			
SRT-PT017_7.0	**8/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT017_11.0	**8/6/20**																																			
SRT-PT017_15.0	**8/6/20**																																			
SRT-PT018_0.5	**8/6/20**																																			
SRT-PT018_2.3	**8/6/20**	<0.5						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT018_2.8	**8/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT018_8.5	**8/6/20**																																			
SRT-PT018_11.2	**8/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT018_12.2	**6/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT019_0.165	**20/6/20**	<0.05																																		
SRT-PT020_0.32	**20/6/20**	<0.05																																		
SRT-PT020_1.0	**20/6/20**																																			
SRT-PT020_2.2	**20/6/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT020_4.1	**20/6/20**																																			
SRT-PT022_2.0	**13/6/20**																																			
SRT-PT022_2.6	**13/6/20**	<0.05																																		
SRT-PT022_5.0	**13/6/20**																																			
SRT-PT022_6.3	**14/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT022_6.7	**14/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT022_16.3	**14/6/20**																																			
SRT-PT023_0.20	**21/6/20**	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT023_1.5	**21/6/20**	<0.05						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT023_1.7	**21/6/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT023_3.5	**21/6/20**																																			
SRT-PT024_2.0	**13/6/20**	<0.05						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT024_4.5	**13/6/20**																																			
SRT-PT024_8.2	**13/6/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT024_11.2	**13/6/20**																																			
SRT-PT024_13.2	**13/6/20**	<0.05																																		
SRT-PT025_0.2	**19/9/20**																																			
SRT-PT025_1.0	**27/9/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005
SRT-PT025_1.2	**27/9/20**		<0.5	<0.5	<0.5	<0.5	<0.5																													
SRT-PT025_2.5	**27/9/20**																																			
SRT-PT025_4.0	**27/9/20**																																			

		Halogenated Hydrocarbons						Perfluoroalkane Carboxylic Acids																				(n:2) Fluorotelomer Sulfonic Acids						
		Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	Perfluorobutanoic acid (PFBA)		Perfluorohexanoic acid (PFHxA)		Perfluoropentanoic acid (PFPeA)		Perfluoroheptanoic acid (PFHpA)		Perfluorooctanoic acid (PFOA)		Perfluorodecanoic acid (PFDA)		Perfluorododecanoic acid (PFDoDA)		Perfluorononanoic acid (PFNA)		Perfluorotetradecanoic acid (PFTeDA)		Perfluorotridecanoic acid (PFTrDA)		Perfluoroundecanoic acid (PFUnDA)	Perfluoroundecanoic acid (PFUnDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)		6:2 Fluorotelomer sulfonic acid (6:2 FTS)		8:2 Fluorotelomer sulfonic acid (8:2 FTS)		10:2 Fluorotelomer sulfonic acid (10:2 FTS)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg
EQL		0.05	0.5	0.5	0.5	0.5	0.5	0.005	0.05	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.005	0.01	0.01	0.05	0.005	0.01	0.005
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																			
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																			
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																			
NEPM 2013 Table 1A(1) HILs Res A Soil	10																																		
Field ID	**Date**																																		
SRT-PT025_5.0	**27/9/20**		<0.5	<0.5	<0.5	<0.5	<0.5																												
SRT-PT025_8.5	**27/9/20**																																		
SRT-PT025_9.4	**27/9/20**		<0.5	<0.5	<0.5	<0.5	<0.5																												
SRT-PT025_10.8	**27/9/20**																																		
SRT-PT025_11.7	**27/9/20**		<0.5	<0.5	<0.5	<0.5	<0.5																												
SRT-PT025_12.1	**27/9/20**																																		
SRT-PT025_14.8	**27/9/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	<0.005		<0.01		<0.005		<0.005
SRT-PT026_0.2	**19/9/20**	<0.05																																	
SRT-PT026_0.4	**27/9/20**																																		
SRT-PT026_0.9	**27/9/20**	<0.05																																	
SRT-PT026_0.15	**19/9/20**																																		
SRT-PT026_2.1	**27/9/20**																																		
SRT-PT026_2.5	**27/9/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	<0.005		<0.01		<0.005		<0.005
SRT-PT026_3.5	**27/9/20**	<0.05																																	
SRT-PT026_4.4	**27/9/20**																																		
SRT-PT026_8.0	**27/9/20**																																		
SRT-PT026_12.1	**27/9/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	<0.005		<0.01		<0.005		<0.005
SRT-PT027_0.25	**19/9/20**																																		
SRT-PT027_0.9	**20/9/20**	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5																												
SRT-PT027_1.1	**20/9/20**							<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	<0.005		<0.01		<0.005		<0.005
SRT-PT027_2.8	**20/9/20**																																		
SRT-PT027_4.8	**20/9/20**																																		
SRT-PT027_13.5	**20/9/20**																																		
SRT-PT027_14.0	**20/9/20**		<0.5	<0.5	<0.5	<0.5	<0.5																												
SRT-PT028_0.25	**19/9/20**																																		
SRT-PT028_0.5	**19/9/20**																																		
SRT-PT028_2.7	**20/9/20**	<0.05						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	<0.005		<0.01		<0.005		<0.005
SRT-PT028_2.9	**20/9/20**																																		
SRT-PT028_4.9	**20/9/20**		<0.5	<0.5	<0.5	<0.5	<0.5																												
SRT-PT028_5.5	**20/9/20**		<0.5	<0.5	<0.5	<0.5	<0.5																												
SRT-PT028_14.2	**20/9/20**																																		
Statistics																																			
Number of Results		**32**	**28**	**28**	**28**	**28**	**28**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.05**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.005**	**<0.05**	**<0.005**	**0.03**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.01**	**<0.05**	**<0.005**	**<0.01**	**<0.005**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.03**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.01**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.005**	**<0.05**	**<0.005**	**0.03**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.005**	**<0.01**	**<0.01**	**<0.05**	**<0.005**	**<0.01**	**<0.005**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.03**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.01**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.039**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**
Median Concentration *		**0.025**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.0025**	**0.025**	**0.0025**	**0.03**	**0.0025**	**0.005**	**0.0025**	**0.005**	**0.0025**	**0.01**	**0.0025**	**0.005**	**0.0025**	**0.005**	**0.0025**	**0.005**	**0.0025**	**0.005**	**0.0025**	**0.005**	**0.0025**	**0.005**	**0.0025**	**0.005**	**0.025**	**0.0025**	**0.005**	**0.0025**
Standard Deviation *		**0.055**	**0**	**0**	**0**	**0**	**0**	**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**
95% UCL (Student's-t) *		**0.0556**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.0025**

* A Non Detect Multiplier of 0.5 has been applied.

		Perfluoroalkane Sulfonic Acids														Perfluoroalkyl Sulfonamides												PFOS/PFOA					
		10:2 Fluorotelomer sulfonic acid (10:2 FTS)		Perfluoropropaneu lfonic acid (PFPrS)		Perfluorobutane sulfonic acid (PFBS)		Perfluoropentane sulfonic acid (PFPeS)		Perfluorohexane sulfonic acid (PFHxS)		Perfluoroheptane sulfonic acid (PFHpS)		Perfluorooctane sulfonic acid (PFOS)		Perfluorodecane sulfonic acid (PFDS)		Perfluorodecane sulfonic acid (PFDS)		Perfluorooctane sulfonamide (FOSA)		N-Methyl perfluorooctane sulfonamide (MeFOSA)		N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)		N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)		N-Ethyl perfluorooctane sulfonamide (EtFOSA)		N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)		N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)		N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)		Perfluorononanesulfonic acid (PFNS)(trace)		Perfluorononanesulfonic acid (PFNS)(trace)		Sum of PFHxS and PFOS		Sum of PFAS	
		µg/L		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
EQL		0.01		0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.05	0.005	0.05	0.01	0.05	0.005	0.05	0.01	0.05	0.005	0.05	0.005	0.01	0.005	0.01	0.005	0.01	0.05	0.1
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																							
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																							
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																							
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																							
NEPM 2013 Table 1A(1) HILs Res A Soil																																							
Field ID	**Date**																																						
SRT-PT002_0.5	**7/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT002_0.5	**7/6/20**																																						
SRT-PT002_1.6	**7/6/20**																																						
SRT-PT002_2.3	**7/6/20**																																						
SRT-PT002_4.0	**7/6/20**																																						
SRT-PT003_1.2	**21/6/20**																																						
SRT-PT003_2.7	**21/6/20**																																						
SRT-PT003_3.8	**21/6/20**																																						
SRT-PT004_0.2	**20/6/20**																																						
SRT-PT004_0.4	**20/6/20**																																						
SRT-PT004_2.0	**20/6/20**																																						
SRT-PT004_5.0	**20/6/20**																																						
SRT-PT004_8.7	**20/6/20**																																						
SRT-PT004_13.2	**21/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT004_14.4	**21/6/20**																																						
SRT-PT005_1.4	**21/6/20**																																						
SRT-PT005_4.0	**21/6/20**																																						
SRT-PT006_2.0	**14/6/20**																																						
SRT-PT006_2.4	**14/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT006_2.8	**14/6/20**																																						
SRT-PT006_5.0	**14/6/20**																																						
SRT-PT006_8.0	**14/6/20**																																						
SRT-PT006_8.7	**14/6/20**																																						
SRT-PT006_9.0	**14/6/20**																																						
SRT-PT006_11.0	**14/6/20**																																						
SRT-PT006_12.0	**14/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT006_12.7	**14/6/20**																																						
SRT-PT007_1.5	**21/6/20**																																						
SRT-PT007_2.8	**21/6/20**																																						
SRT-PT007_3.7	**21/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT008_0.25	**20/6/20**																																						
SRT-PT008_2.4	**20/6/20**																																						
SRT-PT008_2.7	**20/6/20**																																						
SRT-PT008_4.5	**20/6/20**																																						
SRT-PT009_0.6	**6/6/20**																																						
SRT-PT009_1.5	**6/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT009_9.8	**6/6/20**																																						
SRT-PT009_12.4	**6/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT010_0.2	**20/6/20**																																						
SRT-PT010_0.3	**20/6/20**																																						
SRT-PT010_0.6	**20/6/20**																																						
SRT-PT010_4.5	**20/6/20**																																						
SRT-PT011_0.1	**6/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT011_0.8	**6/6/20**																																						
SRT-PT011_3.5	**6/6/20**																																						
SRT-PT011_12.0	**6/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT012_1.3	**21/6/20**																																						
SRT-PT012_2.7	**21/6/20**																																						
SRT-PT012_3.5	**21/6/20**																																						
SRT-PT013_0.7	**7/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT013_0.25	**7/6/20**																																						
SRT-PT013_2.4	**7/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT013_3.8	**7/6/20**																																						
SRT-PT013_12.4	**7/6/20**																																						
SRT-PT013_13.6	**7/6/20**																																						
SRT-PT013_14.4	**7/6/20**																																						
SRT-PT014_0.2	**20/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT014_4.5	**20/6/20**																																						
SRT-PT014_6.0	**20/6/20**																																						
SRT-PT015_0.15	**20/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT015_0.35	**20/6/20**																																						
SRT-PT015_2.2	**20/6/20**																																						
SRT-PT015_4.2	**20/6/20**																																						
SRT-PT016_1.6	**20/6/20**																																						
SRT-PT016_2.7	**21/6/20**																																						
SRT-PT016_3.2	**21/6/20**																																						
SRT-PT016_3.5	**21/6/20**																																						
SRT-PT016_4.1	**21/6/20**																																						
SRT-PT017_1.0	**7/6/20**	<0.01			<0.01		0.02		0.01		0.12		0.01		0.86		<0.01	<0.005	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.01		0.98		1.06	
SRT-PT017_2.4	**7/6/20**																																						
SRT-PT017_3.0	**7/6/20**																																						
SRT-PT017_3.3	**7/6/20**																																						
SRT-PT017_4.5	**7/6/20**																																						
SRT-PT017_7.0	**8/6/20**																																						
SRT-PT017_11.0	**8/6/20**																																						
SRT-PT017_15.0	**8/6/20**																																						
SRT-PT018_0.5	**8/6/20**																																						
SRT-PT018_2.3	**8/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT018_2.8	**8/6/20**																																						
SRT-PT018_8.5	**8/6/20**																																						
SRT-PT018_11.2	**8/6/20**																																						
SRT-PT018_12.2	**6/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT019_0.165	**20/6/20**																																						
SRT-PT020_0.32	**20/6/20**																																						
SRT-PT020_1.0	**20/6/20**																																						
SRT-PT020_2.2	**20/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT020_4.1	**20/6/20**																																						
SRT-PT022_2.0	**13/6/20**																																						
SRT-PT022_2.6	**13/6/20**																																						
SRT-PT022_5.0	**13/6/20**																																						
SRT-PT022_6.3	**14/6/20**																																						
SRT-PT022_6.7	**14/6/20**																																						
SRT-PT022_16.3	**14/6/20**																																						
SRT-PT023_0.20	**21/6/20**																																						
SRT-PT023_1.5	**21/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT023_1.7	**21/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT023_3.5	**21/6/20**																																						
SRT-PT024_2.0	**13/6/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT024_4.5	**13/6/20**																																						
SRT-PT024_8.2	**13/6/20**																																						
SRT-PT024_11.2	**13/6/20**																																						
SRT-PT024_13.2	**13/6/20**																																						
SRT-PT025_0.2	**19/9/20**																																						
SRT-PT025_1.0	**27/9/20**			<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05	
SRT-PT025_1.2	**27/9/20**																																						
SRT-PT025_2.5	**27/9/20**																																						
SRT-PT025_4.0	**27/9/20**																																						

		Perfluoroalkane Sulfonic Acids															Perfluoroalkyl Sulfonamides												PFOS/PFOA					
		10:2 Fluorotelomer sulfonic acid (10:2 FTS)		Perfluoropropanesulfonic acid (PFPrS)		Perfluorobutane sulfonic acid (PFBS)		Perfluoropentane sulfonic acid (PFPeS)		Perfluorohexane sulfonic acid (PFHxS)		Perfluoroheptane sulfonic acid (PFHpS)		Perfluorooctane sulfonic acid (PFOS)		Perfluorodecane sulfonic acid (PFDS)		Perfluorodecane sulfonic acid (PFDS)		Perfluorooctane sulfonamide (FOSA)		N-Methyl perfluorooctane sulfonamide (MeFOSA)		N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)		N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)		N-Ethyl perfluorooctane sulfonamide (EtFOSA)		N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)		N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)		N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)		Perfluorononanesulfonic acid (PFNS)(trace)		Perfluorononanesulfonic acid (PFNS)(trace)		Sum of PFHxS and PFOS		Sum of PFAS	
		µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
EQL		0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.05	0.005	0.05	0.01	0.05	0.005	0.05	0.01	0.05	0.005	0.05	0.005	0.05	0.005	0.01	0.005	0.01	0.005	0.1		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																								
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																								
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																								
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																								
NEPM 2013 Table 1A(1) HILs Res A Soil																																								
Field ID	**Date**																																							
SRT-PT025_5.0	**27/9/20**																																							
SRT-PT025_8.5	**27/9/20**																																							
SRT-PT025_9.4	**27/9/20**																																							
SRT-PT025_10.8	**27/9/20**																																							
SRT-PT025_11.7	**27/9/20**																																							
SRT-PT025_12.1	**27/9/20**																																							
SRT-PT025_14.8	**27/9/20**		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.05	
SRT-PT026_0.2	**19/9/20**																																							
SRT-PT026_0.4	**27/9/20**																																							
SRT-PT026_0.9	**27/9/20**																																							
SRT-PT026_0.15	**19/9/20**																																							
SRT-PT026_2.1	**27/9/20**																																							
SRT-PT026_2.5	**27/9/20**		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.05	
SRT-PT026_3.5	**27/9/20**																																							
SRT-PT026_4.4	**27/9/20**																																							
SRT-PT026_8.0	**27/9/20**																																							
SRT-PT026_12.1	**27/9/20**		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.05	
SRT-PT027_0.25	**19/9/20**																																							
SRT-PT027_0.9	**20/9/20**																																							
SRT-PT027_1.1	**20/9/20**		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.05	
SRT-PT027_2.8	**20/9/20**																																							
SRT-PT027_4.8	**20/9/20**																																							
SRT-PT027_13.5	**20/9/20**																																							
SRT-PT027_14.0	**20/9/20**																																							
SRT-PT028_0.25	**19/9/20**																																							
SRT-PT028_0.5	**19/9/20**																																							
SRT-PT028_2.7	**20/9/20**		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005		<0.01		<0.005		<0.005		<0.005		<0.05	
SRT-PT028_2.9	**20/9/20**																																							
SRT-PT028_4.9	**20/9/20**																																							
SRT-PT028_5.5	**20/9/20**																																							
SRT-PT028_14.2	**20/9/20**																																							
Statistics																																							
Number of Results		**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**	**26**	**1**
Number of Detects		**0**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**1**	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**
Minimum Concentration		**<0.01**	**<0.005**	**<0.01**	**<0.005**	**0.02**	**<0.005**	**0.01**	**<0.005**	**0.12**	**<0.005**	**0.01**	**<0.005**	**0.86**	**<0.005**	**<0.01**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.01**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.01**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.01**	**<0.005**	**0.98**	**<0.05**	**1.06**		
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**0.02**	**ND**	**0.01**	**0.0075**	**0.12**	**ND**	**0.01**	**0.1**	**0.86**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.1075**	**0.98**	**0.1075**	**1.06**		
Maximum Concentration		**<0.01**	**<0.005**	**<0.01**	**<0.005**	**0.02**	**<0.005**	**0.01**	**0.0075**	**0.12**	**<0.005**	**0.01**	**0.1**	**0.86**	**<0.005**	**<0.01**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.01**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.01**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.01**	**0.1075**	**0.98**	**0.1075**	**1.06**		
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**0.02**	**ND**	**0.01**	**0.0075**	**0.12**	**ND**	**0.01**	**0.1**	**0.86**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.1075**	**0.98**	**0.1075**	**1.06**		
Average Concentration *			**0.0025**		**0.0025**		**0.0025**		**0.0027**		**0.0025**		**0.0063**		**0.0025**		**0.0025**		**0.0025**		**0.005**		**0.0025**		**0.0025**		**0.005**		**0.0025**		**0.0025**		**0.0025**		**0.0065**		**0.028**			
Median Concentration *		**0.005**	**0.0025**	**0.005**	**0.0025**	**0.02**	**0.0025**	**0.01**	**0.0025**	**0.12**	**0.0025**	**0.01**	**0.0025**	**0.86**	**0.0025**	**0.005**	**0.0025**	**0.025**	**0.0025**	**0.025**	**0.005**	**0.025**	**0.0025**	**0.025**	**0.0025**	**0.025**	**0.005**	**0.025**	**0.0025**	**0.025**	**0.0025**	**0.025**	**0.0025**	**0.005**	**0.0025**	**0.98**	**0.025**	**1.06**		
Standard Deviation *			**0**		**0**		**0**		**0.00098**		**0**		**0.019**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0.021**		**0.016**			
95% UCL (Student's-t) *			**0.0025**		**0.0025**		**0.0025**		**0.00302**		**0.0025**		**0.0127**		**0.0025**		**0.0025**		**0.0025**		**0.005**		**0.0025**		**0.0025**		**0.005**		**0.0025**		**0.0025**		**0.0025**		**0.0134**		**0.0336**			

* A Non Detect Multiplier of 0.5 has been applied.

		PFAS						MAH					Metals											Organochlorine Pesticides														
		Sum of PFAS (WA DER List)		Sum of enHealth PFAS (PFHxS + PFOS + PFOA)		Sum of PFAS (PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead		Mercury	Nickel		Zinc	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I
		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.01	0.05	0.005	0.01	0.005	0.01	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.01	0.1	5	0.01	5	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																				
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																				
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space													100		410	230	1100			230		540										180			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																				
NEPM 2013 Table 1A(1) HILs Res A Soil													100	20		6,000	300		40	400		7,400						6		50			240		
Field ID	**Date**																																			
SRT-PT002_0.5	**7/6/20**	<0.01		<0.005		<0.005							2.3	<0.4	140	40	12		<0.1	160		89														
SRT-PT002_0.5	**7/6/20**																				0.07															
SRT-PT002_1.6	**7/6/20**																						<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT002_2.3	**7/6/20**												8.6	<0.4	98	<5	9.7		<0.1	10		<5														
SRT-PT002_4.0	**7/6/20**												10	<0.4	64	<5	13		<0.1	6.8		<5														
SRT-PT003_1.2	**21/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	7.3	<0.4	85	<5	9.3		<0.1	8.4		11	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT003_2.7	**21/6/20**												17	<0.4	98	<5	15		<0.1	<5		<5														
SRT-PT003_3.8	**21/6/20**												8.4	<0.4	69	<5	13		<0.1	<5		<5														
SRT-PT004_0.2	**20/6/20**												2.6	<0.4	90	33	36		0.1	89	0.20	81	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT004_0.4	**20/6/20**																																			
SRT-PT004_2.0	**20/6/20**												6.4	<0.4	73	<5	11		<0.1	11		5.6														
SRT-PT004_5.0	**20/6/20**												14	<0.4	110	11	28		<0.1	<5		<5														
SRT-PT004_8.7	**20/6/20**												<2	<0.4	5.8	<5	53		0.2	<5		<5														
SRT-PT004_13.2	**21/6/20**	<0.01		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5	10	<0.4	32	7.5	27		<0.1	<5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT004_14.4	**21/6/20**																																			
SRT-PT005_1.4	**21/6/20**												8.9	<0.4	86	<5	9.2		<0.1	8.3		<5														
SRT-PT005_4.0	**21/6/20**												12	<0.4	58	<5	16		<0.1	<5		<5														
SRT-PT006_2.0	**14/6/20**												8.2	<0.4	85	<5	8.0		<0.1	8.9		<5														
SRT-PT006_2.4	**14/6/20**	<0.01		<0.005		<0.005							11	<0.4	96	<5	14		<0.1	14		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT006_2.8	**14/6/20**												16	<0.4	84	<5	13		<0.1	<5		<5														
SRT-PT006_5.0	**14/6/20**												9.8	<0.4	79	15	11		<0.1	<5		<5														
SRT-PT006_8.0	**14/6/20**																																			
SRT-PT006_8.7	**14/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5																								
SRT-PT006_9.0	**14/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5																								
SRT-PT006_11.0	**14/6/20**												4.3	<0.4	16	5.9	26		<0.1	<5		<5														
SRT-PT006_12.0	**14/6/20**	<0.01		<0.005		<0.005							11	<0.4	32	7.3	32		<0.1	<5		<5														
SRT-PT006_12.7	**14/6/20**												<2	<0.4	7.0	<5	40		<0.1	<5		<5														
SRT-PT007_1.5	**21/6/20**												8.2	<0.4	110	<5	16		<0.1	8.3		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT007_2.8	**21/6/20**												3.4	<0.4	38	6.1	10		<0.1	8.3		<5														
SRT-PT007_3.7	**21/6/20**	<0.01		<0.005		<0.005							18	<0.4	95	13	19		<0.1	<5		<5														
SRT-PT008_0.25	**20/6/20**												6.9	0.5	37	44	320	0.05	0.4	19		290														
SRT-PT008_2.4	**20/6/20**												7.7	<0.4	72	<5	17		<0.1	12		13														
SRT-PT008_2.7	**20/6/20**												5.2	<0.4	75	<5	9.1		<0.1	11		<5														
SRT-PT008_4.5	**20/6/20**												7.7	<0.4	41	<5	10		<0.1	<5		<5														
SRT-PT009_0.6	**6/6/20**												2.9	<0.4	17	13	51		0.2	11		86	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT009_1.5	**6/6/20**	<0.01		<0.005		<0.005							9.6	<0.4	98	5.7	25		0.2	15		70														
SRT-PT009_9.8	**6/6/20**												21	<0.4	40	9.9	16		<0.1	<5		<5														
SRT-PT009_12.4	**6/6/20**	<0.01		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5	5.7	<0.4	46	6.0	15		<0.1	5.5		7.6														
SRT-PT010_0.2	**20/6/20**												3.7	<0.4	42	24	6.5		<0.1	47		68	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT010_0.3	**20/6/20**																																			
SRT-PT010_0.6	**20/6/20**												18	<0.4	100	<5	21		<0.1	7.7		6.0														
SRT-PT010_4.5	**20/6/20**												5.1	<0.4	41	<5	9.4		0.1	5.2		11														
SRT-PT011_0.1	**6/6/20**	<0.01		<0.005		<0.005							4.3	<0.4	52	17	69		0.2	32		97														
SRT-PT011_0.8	**6/6/20**												7.8	<0.4	88	<5	13		<0.1	17		28														
SRT-PT011_3.5	**6/6/20**												8.5	<0.4	58	<5	12		<0.1	15		15	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT011_12.0	**6/6/20**	<0.01		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5	8.3	<0.4	47	17	27		<0.1	5.3		5.5														
SRT-PT012_1.3	**21/6/20**												7.1	<0.4	84	<5	14		<0.1	16		9.8	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT012_2.7	**21/6/20**												5.6	<0.4	65	<5	15		<0.1	15		<5														
SRT-PT012_3.5	**21/6/20**												8.0	<0.4	56	5.7	12		0.1	9.9		<5														
SRT-PT013_0.7	**7/6/20**	<0.01		<0.005		<0.005							4.5	<0.4	62	<5	14		<0.1	14		5.3	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT013_0.25	**7/6/20**																																			
SRT-PT013_2.4	**7/6/20**	<0.01		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5																								
SRT-PT013_3.8	**7/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	8.8	<0.4	80	<5	15		<0.1	14		5.2														
SRT-PT013_12.4	**7/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	8.9	<0.4	65	8.4	18		<0.1	5.5		6.7														
SRT-PT013_13.6	**7/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	8.5	<0.4	41	14	18		<0.1	<5		<5														
SRT-PT013_14.4	**7/6/20**												10	<0.4	48	10	20		<0.1	<5		<5														
SRT-PT014_0.2	**20/6/20**	<0.01		<0.005		<0.005							18	<0.4	9.9	5.5	22		<0.1	<5		9.1	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT014_4.5	**20/6/20**												7.3	<0.4	67	9.9	18		0.2	8.0		13	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT014_6.0	**20/6/20**												18	<0.4	87	11	18		0.2	5.3		<5														
SRT-PT015_0.15	**20/6/20**	<0.01		<0.005		<0.005							6.6	<0.4	20	8.9	21		<0.1	<5		5.4	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT015_0.35	**20/6/20**												4.6	<0.4	23	<5	22		<0.1	<5		<5														
SRT-PT015_2.2	**20/6/20**												4.3	<0.4	62	<5	8.7		<0.1	18		<5														
SRT-PT015_4.2	**20/6/20**												<2	<0.4	28	12	7.1		0.1	10		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT016_1.6	**20/6/20**												11	<0.4	75	<5	27		0.2	15		28	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT016_2.7	**21/6/20**												12	<0.4	80	<5	21		<0.1	9.1		12														
SRT-PT016_3.2	**21/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.4	74	<5	17		<0.1	7.5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT016_3.5	**21/6/20**												7.2	<0.4	75	<5	16		<0.1	6.4		<5														
SRT-PT016_4.1	**21/6/20**												9.5	<0.4	77	<5	16		<0.1	6.1		<5														
SRT-PT017_1.0	**7/6/20**		1.04		0.99		0.87	<0.5	<0.5	<0.5	<0.5	<0.5	6.0	<0.4	42	62	560	0.48	0.5	43		750	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_2.4	**7/6/20**																						<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT017_3.0	**7/6/20**												5.1	<0.4	36	35	770	0.50	0.3	22		220														
SRT-PT017_3.3	**7/6/20**												6.8	<0.4	76	<5	15		0.1	12		<5														
SRT-PT017_4.5	**7/6/20**												8.9	<0.4	61	<5	18		<0.1	11		11														
SRT-PT017_7.0	**8/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	9.7	<0.4	87	5.9	85		0.1	14		46														
SRT-PT017_11.0	**8/6/20**												2.3	<0.4	14	9.7	8.0		<0.1	<5		<5														
SRT-PT017_15.0	**8/6/20**												28	<0.4	56	45	33		<0.1	5.1		<5														
SRT-PT018_0.5	**8/6/20**												5.8	<0.4	31	15	35		<0.1	9.5		48														
SRT-PT018_2.3	**8/6/20**	<0.01		<0.005		<0.005																	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_2.8	**8/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	3.6	<0.4	44	<5	10		<0.1	18		18														
SRT-PT018_8.5	**8/6/20**												<2	<0.4	26	6.5	14		<0.1	<5		<5														
SRT-PT018_11.2	**8/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	8.5	<0.4	35	9.8	22		<0.1	<5		<5														
SRT-PT018_12.2	**6/6/20**	<0.01		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.4	22	5.6	12		<0.1	<5		<5														
SRT-PT019_0.165	**20/6/20**												6.2	<0.4	52	11	18		<0.1	11		22	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT020_0.32	**20/6/20**												<2	<0.4	13	6.4	12		<0.1	9.1		21	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT020_1.0	**20/6/20**												3.0	<0.4	67	31	6.9		<0.1	70	0.11	57														
SRT-PT020_2.2	**20/6/20**	<0.01		<0.005		<0.005																														
SRT-PT020_4.1	**20/6/20**												4.1	<0.4	52	6.6	7.7		<0.1	9.3		<5														
SRT-PT022_2.0	**13/6/20**												4.6	<0.4	44	<5	19		<0.1	7.3		24														
SRT-PT022_2.6	**13/6/20**												5.8	<0.4	73	<5	14		<0.1	10		12	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT022_5.0	**13/6/20**																																			
SRT-PT022_6.3	**14/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.4	110	12	13		<0.1	<5		<5														
SRT-PT022_6.7	**14/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5																								
SRT-PT022_16.3	**14/6/20**												19	<0.4	12	6.7	14		<0.1	<5		<5														
SRT-PT023_0.20	**21/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.4	72	<5	24		<0.1	<5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT023_1.5	**21/6/20**	<0.01		<0.005		<0.005							5.4	<0.4	75	6.3	28		<0.1	14		22	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT023_1.7	**21/6/20**	<0.01		<0.005		<0.005																														
SRT-PT023_3.5	**21/6/20**												5.4	<0.4	70	6.0	9.8		<0.1	12		<5														
SRT-PT024_2.0	**13/6/20**	<0.01		<0.005		<0.005							5.0	<0.4	76	<5	11		<0.1	11		8.8	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT024_4.5	**13/6/20**												14	<0.4	90	6.5	12		<0.1	5.2		<5														
SRT-PT024_8.2	**13/6/20**							<0.5	<0.5	<0.5	<0.5	<0.5	4.8	<0.4	65	11	10		<0.1	5.7		<5														
SRT-PT024_11.2	**13/6/20**																																			
SRT-PT024_13.2	**13/6/20**												12	<0.4	52	19	23		<0.1	<5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT025_0.2	**19/9/20**												2.2	<0.4	11	7.9	13		<0.1	6.3		27														
SRT-PT025_1.0	**27/9/20**	<0.01		<0.005		<0.005																														
SRT-PT025_1.2	**27/9/20**							<0.5	<0.5	<0.5	<0.5	<0.5																								
SRT-PT025_2.5	**27/9/20**																																			
SRT-PT025_4.0	**27/9/20**																																			

		PFAS						MAH					Metals											Organochlorine Pesticides															
		Sum of PFAS (WA DER List)		Sum of enHealth PFAS (PFHxS + PFOS + PFOA)		Sum of PFAS (PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead		Mercury	Nickel		Zinc	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	
		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.01	0.05	0.005	0.01	0.005	0.01	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.01	0.1	5	0.01	5	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																					
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																					
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space													100		410	230	1100			230		540										180				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																					
NEPM 2013 Table 1A(1) HILs Res A Soil													100	20		6,000	300		40	400		7,400						6		50			240			
Field ID	**Date**																																				
SRT-PT025_5.0	**27/9/20**							<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.4	28	<5	9.7		<0.1	5.8		<5															
SRT-PT025_8.5	**27/9/20**												8.5	<0.4	67	5.9	13		<0.1	<5		<5															
SRT-PT025_9.4	**27/9/20**							<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.4	280	110	56		<0.1	11		44															
SRT-PT025_10.8	**27/9/20**												35	<0.4	32	6.9	36		<0.1	<5		<5															
SRT-PT025_11.7	**27/9/20**							<0.5	<0.5	<0.5	<0.5	<0.5	3.9	<0.4	18	85	22		<0.1	5.8		33															
SRT-PT025_12.1	**27/9/20**																																				
SRT-PT025_14.8	**27/9/20**	<0.01		<0.005		<0.005																															
SRT-PT026_0.2	**19/9/20**												4.7	<0.4	49	11	470	0.04	<0.1	12		65	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT026_0.4	**27/9/20**																																				
SRT-PT026_0.9	**27/9/20**												8.0	<0.4	89	<5	14		0.1	17		16	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT026_0.15	**19/9/20**																																				
SRT-PT026_2.1	**27/9/20**																																				
SRT-PT026_2.5	**27/9/20**	<0.01		<0.005		<0.005																															
SRT-PT026_3.5	**27/9/20**												6.5	<0.4	60	12	53		<0.1	17		68	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT026_4.4	**27/9/20**																																				
SRT-PT026_8.0	**27/9/20**												5.9	<0.4	54	5.2	12		0.2	8.5		5.2															
SRT-PT026_12.1	**27/9/20**	<0.01		<0.005		<0.005							5.1	<0.4	37	12	30		<0.1	5.2		19															
SRT-PT027_0.25	**19/9/20**																																				
SRT-PT027_0.9	**20/9/20**							<0.5	<0.5	<0.5	<0.5	<0.5	5.6	<0.4	18	<5	22		<0.1	<5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT027_1.1	**20/9/20**	<0.01		<0.005		<0.005																															
SRT-PT027_2.8	**20/9/20**												10.0	<0.4	73	<5	15		<0.1	10		18															
SRT-PT027_4.8	**20/9/20**												18	<0.4	61	<5	22		<0.1	<5		6.1															
SRT-PT027_13.5	**20/9/20**																																				
SRT-PT027_14.0	**20/9/20**							<0.5	<0.5	<0.5	<0.5	<0.5	9.2	<0.4	15	36	10		<0.1	<5		9.7															
SRT-PT028_0.25	**19/9/20**																																				
SRT-PT028_0.5	**19/9/20**																																				
SRT-PT028_2.7	**20/9/20**	<0.01		<0.005		<0.005							7.0	<0.4	50	15	480	0.41	0.5	10		88	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT028_2.9	**20/9/20**												14	<0.4	110	<5	20		0.1	17		8.1															
SRT-PT028_4.9	**20/9/20**							<0.5	<0.5	<0.5	<0.5	<0.5	14	<0.4	67	<5	22		<0.1	<5		<5															
SRT-PT028_5.5	**20/9/20**							<0.5	<0.5	<0.5	<0.5	<0.5																										
SRT-PT028_14.2	**20/9/20**												6.8	<0.4	28	10	32		<0.1	<5		35															
Statistics																																					
Number of Results		**26**	**1**	**26**	**1**	**26**	**1**	**28**	**28**	**28**	**28**	**28**	**104**	**104**	**105**	**104**	**104**	**5**	**104**	**104**	**3**	**104**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**1**	**1**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**98**	**1**	**105**	**58**	**104**	**5**	**20**	**70**	**3**	**52**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.01**	**1.04**	**<0.005**	**0.99**	**<0.005**	**0.87**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<2**	**<0.4**	**5.8**	**<5**	**6.5**	**0.04**	**0.1**	**<5**	**0.07**	**<5**	**<0.2**	**<0.2**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.1**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**
Minimum Detect		**0.1075**	**1.04**	**0.1075**	**0.99**	**0.1**	**0.87**	**ND**	**ND**	**ND**	**ND**	**ND**	**2.1**	**0.5**	**5.8**	**5.2**	**6.5**	**0.04**	**0.1**	**5.1**	**0.07**	**5.2**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**0.1075**	**1.04**	**0.1075**	**0.99**	**0.1**	**0.87**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**35**	**0.5**	**280**	**110**	**770**	**0.5**	**0.5**	**160**	**0.2**	**750**	**<2**	**<2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Maximum Detect		**0.1075**	**1.04**	**0.1075**	**0.99**	**0.1**	**0.87**	**ND**	**ND**	**ND**	**ND**	**ND**	**35**	**0.5**	**280**	**110**	**770**	**0.5**	**0.5**	**160**	**0.2**	**750**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.0089**		**0.0065**		**0.0063**		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**8.4**	**0.2**	**60**	**11**	**44**	**0.3**	**0.08**	**12**	**0.13**	**27**	**0.16**	**0.16**	**0.039**	**0.039**	**0.039**	**0.039**	**0.039**	**0.078**	**0.039**	**0.039**	**0.039**	**0.039**	**0.039**	**0.039**
Median Concentration *		**0.005**	**1.04**	**0.0025**	**0.99**	**0.0025**	**0.87**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**7.3**	**0.2**	**61**	**5.9**	**16**	**0.41**	**0.05**	**7.85**	**0.11**	**3.85**	**0.1**	**0.1**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.05**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**
Standard Deviation *		**0.02**		**0.021**		**0.019**		**0**	**0**	**0**	**0**	**0**	**5.6**	**0.029**	**36**	**16**	**113**	**0.23**	**0.082**	**19**	**0.067**	**82**	**0.22**	**0.22**	**0.055**	**0.055**	**0.055**	**0.055**	**0.055**	**0.11**	**0.055**	**0.055**	**0.055**	**0.055**	**0.055**	**0.055**
95% UCL (Student's-t) *		**0.0157**		**0.0134**		**0.0127**		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**9.317**	**0.208**	**65.75**	**13.32**	**62.23**	**0.517**	**0.0932**	**14.72**	**0.239**	**40.4**	**0.223**	**0.223**	**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.111**	**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.0556**

* A Non Detect Multiplier of 0.5 has been applied.

nation partners SOLUTIONS FOR COMPLEX PROJECTS

Table A - Soil Results

NP19158

																									PAH												
		Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Acenaphthene		Acenaphthylene		Anthracene		Benz[a]anthracene		Benzo[a]pyrene		Benzo[b+j]fluoranthene		Benzo[g,h,i]perylene		Benzo[k]fluoranthene		Chrysene		Dibenz[a,h]anthracene		Fluoranthene		Fluorene		Indeno[1,2,3-cd]pyrene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	µg/L	mg/kg	mg/kg	mg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg
EQL		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.1	0.5	1	0.5	1	0.5	1	0.5	1	1	0.5	0.5	0.001	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																				
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																				
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																					0.7															
NEPM 2013 Table 1A(1) HILs Res A Soil				10				6		300	20																									
Field ID	**Date**																																			
SRT-PT002_0.5	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT002_0.5	**7/6/20**																																			
SRT-PT002_1.6	**7/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1																									
SRT-PT002_2.3	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT002_4.0	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT003_1.2	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT003_2.7	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT003_3.8	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT004_0.2	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT004_0.4	**20/6/20**																																			
SRT-PT004_2.0	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT004_5.0	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT004_8.7	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT004_13.2	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT004_14.4	**21/6/20**																																			
SRT-PT005_1.4	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT005_4.0	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT006_2.0	**14/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT006_2.4	**14/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1																									
SRT-PT006_2.8	**14/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT006_5.0	**14/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT006_8.0	**14/6/20**																																			
SRT-PT006_8.7	**14/6/20**																																			
SRT-PT006_9.0	**14/6/20**																																			
SRT-PT006_11.0	**14/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT006_12.0	**14/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT006_12.7	**14/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT007_1.5	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT007_2.8	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT007_3.7	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT008_0.25	**20/6/20**											<0.5		<0.5		<0.5		1.9		<1	1.4	2.0		1.1		1.2		1.4		0.5		2.5		<0.5		0.9
SRT-PT008_2.4	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT008_2.7	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT008_4.5	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT009_0.6	**6/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		1.9		<1	1.5	1.1		0.6		1.5		1.4		<0.5		2.8		<0.5		0.6
SRT-PT009_1.5	**6/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT009_9.8	**6/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT009_12.4	**6/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT010_0.2	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT010_0.3	**20/6/20**																																			
SRT-PT010_0.6	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT010_4.5	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT011_0.1	**6/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT011_0.8	**6/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT011_3.5	**6/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT011_12.0	**6/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT012_1.3	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT012_2.7	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT012_3.5	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT013_0.7	**7/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT013_0.25	**7/6/20**																																			
SRT-PT013_2.4	**7/6/20**																																			
SRT-PT013_3.8	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT013_12.4	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT013_13.6	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT013_14.4	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT014_0.2	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT014_4.5	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT014_6.0	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT015_0.15	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT015_0.35	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT015_2.2	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT015_4.2	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT016_1.6	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT016_2.7	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT016_3.2	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT016_3.5	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT016_4.1	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT017_1.0	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<10	0.8	<1	6.4	<1	11	<1	63	<1	<1	49	35	<0.001	21	<1	43	<1	48	<1	6.6	<1	96	<1	2.9	<1	22
SRT-PT017_2.4	**7/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1																									
SRT-PT017_3.0	**7/6/20**											1.1	1	0.7	<1	3.2	<1	7.0	<1	<1	6.0	5.2	<0.001	3.5	<1	5.4	<1	8.2	<1	1.4	<1	18	<1	1.2	<1	3.1
SRT-PT017_3.3	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT017_4.5	**7/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT017_7.0	**8/6/20**											<0.5		<0.5		<0.5		1.4			1.3	1.0		0.8		1.1		1.6		<0.5		3.1		<0.5		0.6
SRT-PT017_11.0	**8/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT017_15.0	**8/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT018_0.5	**8/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT018_2.3	**8/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<10																									
SRT-PT018_2.8	**8/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT018_8.5	**8/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT018_11.2	**8/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT018_12.2	**6/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT019_0.165	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT020_0.32	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT020_1.0	**20/6/20**											<0.5		<0.5		0.5		<0.5		<1	<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT020_2.2	**20/6/20**																																			
SRT-PT020_4.1	**20/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT022_2.0	**13/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT022_2.6	**13/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT022_5.0	**13/6/20**																																			
SRT-PT022_6.3	**14/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT022_6.7	**14/6/20**																																			
SRT-PT022_16.3	**14/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT023_0.20	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT023_1.5	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT023_1.7	**21/6/20**																																			
SRT-PT023_3.5	**21/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT024_2.0	**13/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT024_4.5	**13/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT024_8.2	**13/6/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT024_11.2	**13/6/20**																																			
SRT-PT024_13.2	**13/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT025_0.2	**19/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT025_1.0	**27/9/20**																																			
SRT-PT025_1.2	**27/9/20**																																			
SRT-PT025_2.5	**27/9/20**																																			
SRT-PT025_4.0	**27/9/20**																																			

												PAH																					
		Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Acenaphthene		Acenaphthylene		Anthracene		Benz[a]anthracene			Benzo[a]pyrene	Benzo[b+j]fluoranthene		Benzo[g,h,i]perylene		Benzo[k]fluoranthene		Chrysene		Dibenz[a,h]anthracene		Fluoranthene		Fluorene		Indeno[1,2,3-cd]pyrene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	µg/L	mg/kg	mg/kg	mg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg
EQL		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.1	0.5	1	0.5	1	0.5	1	0.5	1	1	0.5	0.5	0.001	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																																	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt																																	
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																	
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																					0.7												
NEPM 2013 Table 1A(1) HILs Res A Soil				10				6		300	20																						
Field ID	**Date**																																
SRT-PT025_5.0	**27/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT025_8.5	**27/9/20**																																
SRT-PT025_9.4	**27/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT025_10.8	**27/9/20**																																
SRT-PT025_11.7	**27/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT025_12.1	**27/9/20**																																
SRT-PT025_14.8	**27/9/20**																																
SRT-PT026_0.2	**19/9/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT026_0.4	**27/9/20**																																
SRT-PT026_0.9	**27/9/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT026_0.15	**19/9/20**																																
SRT-PT026_2.1	**27/9/20**																																
SRT-PT026_2.5	**27/9/20**																																
SRT-PT026_3.5	**27/9/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT026_4.4	**27/9/20**																																
SRT-PT026_8.0	**27/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT026_12.1	**27/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT027_0.25	**19/9/20**																																
SRT-PT027_0.9	**20/9/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT027_1.1	**20/9/20**																																
SRT-PT027_2.8	**20/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT027_4.8	**20/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT027_13.5	**20/9/20**																																
SRT-PT027_14.0	**20/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT028_0.25	**19/9/20**																																
SRT-PT028_0.5	**19/9/20**																																
SRT-PT028_2.7	**20/9/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		0.5		<0.5		<0.5
SRT-PT028_2.9	**20/9/20**																																
SRT-PT028_4.9	**20/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
SRT-PT028_5.5	**20/9/20**																																
SRT-PT028_14.2	**20/9/20**											<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
Statistics																																	
Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**100**	**2**	**100**	**2**	**100**	**2**	**100**	**2**	**6**	**100**	**100**	**2**	**100**	**2**	**100**	**2**	**100**	**2**	**100**	**2**	**100**	**2**	**100**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**2**	**0**	**3**	**0**	**5**	**0**	**0**	**5**	**6**	**0**	**6**	**0**	**5**	**0**	**5**	**0**	**3**	**0**	**6**	**0**	**2**	**0**	**5**
Minimum Concentration		**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.2**	**<0.1**	**<0.5**	**1**	**<0.5**	**<1**	**0.5**	**<1**	**<0.5**	**<1**	**<1**	**<0.5**	**0.5**	**<0.001**	**0.5**	**<1**	**<0.5**	**<1**	**<0.5**	**<1**	**0.5**	**<1**	**0.5**	**<1**	**<0.5**	**<1**	**<0.5**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.8**	**1**	**0.7**	**ND**	**0.5**	**ND**	**1.4**	**ND**	**ND**	**1.3**	**0.5**	**ND**	**0.5**	**ND**	**1.1**	**ND**	**1.4**	**ND**	**0.5**	**ND**	**0.5**	**ND**	**1.2**	**ND**	**0.6**
Maximum Concentration		**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<2**	**<10**	**1.1**	**1**	**6.4**	**<1**	**11**	**<1**	**63**	**<1**	**<1**	**49**	**35**	**<0.001**	**21**	**<1**	**43**	**<1**	**48**	**<1**	**6.6**	**<1**	**96**	**<1**	**2.9**	**<1**	**22**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**1.1**	**1**	**6.4**	**ND**	**11**	**ND**	**63**	**ND**	**ND**	**49**	**35**	**ND**	**21**	**ND**	**43**	**ND**	**48**	**ND**	**6.6**	**ND**	**96**	**ND**	**2.9**	**ND**	**22**
Average Concentration *		**0.039**	**0.039**	**0.039**	**0.039**	**0.039**	**0.039**	**0.039**	**0.039**	**0.16**	**0.75**	**0.26**	**0.75**	**0.32**	**0.5**	**0.39**	**0.5**	**0.99**	**0.5**	**0.5**	**0.83**	**0.68**	**0.0005**	**0.51**	**0.5**	**0.76**	**0.5**	**0.84**	**0.5**	**0.33**	**0.5**	**1.5**	**0.5**	**0.29**	**0.5**	**0.51**
Median Concentration *		**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.1**	**0.5**	**0.25**	**0.75**	**0.25**	**0.5**	**0.25**	**0.5**	**0.25**	**0.5**	**0.5**	**0.25**	**0.25**	**0.0005**	**0.25**	**0.5**	**0.25**	**0.5**	**0.25**	**0.5**	**0.25**	**0.5**	**0.25**	**0.5**	**0.25**	**0.5**	**0.25**
Standard Deviation *		**0.055**	**0.055**	**0.055**	**0.055**	**0.055**	**0.055**	**0.055**	**0.055**	**0.22**	**1.1**	**0.1**	**0.35**	**0.62**	**0**	**1.1**	**0**	**6.3**	**0**	**0**	**4.9**	**3.5**	**0**	**2.1**	**0**	**4.3**	**0**	**4.8**	**0**	**0.64**	**0**	**9.7**	**0**	**0.28**	**0**	**2.2**
95% UCL (Student's-t) *		**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.0556**	**0.223**	**1.089**	**0.281**	**2.328**	**0.418**	**0.5**	**0.574**	**0.5**	**2.036**	**0.5**	**0.5**	**1.644**	**1.265**	**0.0005**	**0.858**	**0.5**	**1.474**	**0.5**	**1.646**	**0.5**	**0.434**	**0.5**	**3.078**	**0.5**	**0.333**	**0.5**	**0.873**

* A Non Detect Multiplier of 0.5 has been applied.

																PCBs									Solvents				
		c,d)pyrene	Naphthalene		Phenanthrene		Pyrene		Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide
		µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		1	0.5	1	0.5	1	0.5	1	0.5	0.5	0.5	0.5	1	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																													
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt			4 | |																									
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space			170																										
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																													
NEPM 2013 Table 1A(1) HILs Res A Soil									3	3	3	300									1								
Field ID	**Date**																												
SRT-PT002_0.5	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT002_0.5	**7/6/20**																												
SRT-PT002_1.6	**7/6/20**													<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT002_2.3	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT002_4.0	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT003_1.2	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT003_2.7	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT003_3.8	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT004_0.2	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT004_0.4	**20/6/20**																												
SRT-PT004_2.0	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT004_5.0	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT004_8.7	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT004_13.2	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_14.4	**21/6/20**																												
SRT-PT005_1.4	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT005_4.0	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT006_2.0	**14/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT006_2.4	**14/6/20**													<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT006_2.8	**14/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT006_5.0	**14/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT006_8.0	**14/6/20**																												
SRT-PT006_8.7	**14/6/20**																					<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT006_9.0	**14/6/20**																					<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT006_11.0	**14/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT006_12.0	**14/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT006_12.7	**14/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT007_1.5	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT007_2.8	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT007_3.7	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT008_0.25	**20/6/20**		<0.5		1.2		2.6		2.5	2.5	2.5	16.7																	
SRT-PT008_2.4	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT008_2.7	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT008_4.5	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT009_0.6	**6/6/20**		<0.5		0.9		2.9		2.3	2.5	2.0	15.2		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT009_1.5	**6/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT009_9.8	**6/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT009_12.4	**6/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT010_0.2	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT010_0.3	**20/6/20**																												
SRT-PT010_0.6	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT010_4.5	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT011_0.1	**6/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT011_0.8	**6/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT011_3.5	**6/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT011_12.0	**6/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT012_1.3	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT012_2.7	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT012_3.5	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT013_0.7	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT013_0.25	**7/6/20**																												
SRT-PT013_2.4	**7/6/20**																					<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT013_3.8	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT013_12.4	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT013_13.6	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT013_14.4	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT014_0.2	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT014_4.5	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT014_6.0	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT015_0.15	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT015_0.35	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT015_2.2	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT015_4.2	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT016_1.6	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT016_2.7	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT016_3.2	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_3.5	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT016_4.1	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT017_1.0	**7/6/20**	<1	<0.5	<1	50	<1	99	<1	73	73	73	554.8	<1	<5	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5		
SRT-PT017_2.4	**7/6/20**													<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT017_3.0	**7/6/20**	<1	<0.5	1	12	2	17	<1	9.6	9.6	9.6	93	4																
SRT-PT017_3.3	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT017_4.5	**7/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT017_7.0	**8/6/20**		<0.5		1.6		3.1		2.0	2.2	1.7	15.6										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT017_11.0	**8/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT017_15.0	**8/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT018_0.5	**8/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT018_2.3	**8/6/20**													<5	<1	<5	<5	<5	<5	<5	<5								
SRT-PT018_2.8	**8/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT018_8.5	**8/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT018_11.2	**8/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT018_12.2	**6/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT019_0.165	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT020_0.32	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT020_1.0	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	0.5																	
SRT-PT020_2.2	**20/6/20**																												
SRT-PT020_4.1	**20/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT022_2.0	**13/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT022_2.6	**13/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT022_5.0	**13/6/20**																												
SRT-PT022_6.3	**14/6/20**		<0.5		<0.5		<0.5					<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT022_6.7	**14/6/20**								0.6	1.2	<0.5											<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT022_16.3	**14/6/20**		<0.5		<0.5		<0.5					<0.5																	
SRT-PT023_0.20	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5			
SRT-PT023_1.5	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT023_1.7	**21/6/20**																												
SRT-PT023_3.5	**21/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT024_2.0	**13/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT024_4.5	**13/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT024_8.2	**13/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT024_11.2	**13/6/20**																												
SRT-PT024_13.2	**13/6/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								
SRT-PT025_0.2	**19/9/20**		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																	
SRT-PT025_1.0	**27/9/20**																												
SRT-PT025_1.2	**27/9/20**																					<0.5	<0.5	<0.5	<0.5	<0.5			
SRT-PT025_2.5	**27/9/20**																												
SRT-PT025_4.0	**27/9/20**																												

														PCBs									Solvents					
	c,d)pyrene	Naphthalene		Phenanthrene		Pyrene		Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide
	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	1	0.5	1	0.5	1	0.5	1	0.5	0.5	0.5	0.5	1	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt		4 | | |																									
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space		170																										
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																												
NEPM 2013 Table 1A(1) HILs Res A Soil								3	3	3	300									1								
Field ID	**Date**																											
SRT-PT025_5.0	27/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5											<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT025_8.5	27/9/20		<0.5																									
SRT-PT025_9.4	27/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	0.5											<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT025_10.8	27/9/20		<0.5																									
SRT-PT025_11.7	27/9/20		<0.5		<0.5		<0.5					<0.5											<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT025_12.1	27/9/20		<0.5						0.6	1.2	<0.5																	
SRT-PT025_14.8	27/9/20																											
SRT-PT026_0.2	19/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
SRT-PT026_0.4	27/9/20																											
SRT-PT026_0.9	27/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
SRT-PT026_0.15	19/9/20																											
SRT-PT026_2.1	27/9/20																											
SRT-PT026_2.5	27/9/20		<0.5																									
SRT-PT026_3.5	27/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
SRT-PT026_4.4	27/9/20		<0.5																									
SRT-PT026_8.0	27/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																
SRT-PT026_12.1	27/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																
SRT-PT027_0.25	19/9/20																											
SRT-PT027_0.9	20/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT027_1.1	20/9/20																											
SRT-PT027_2.8	20/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																
SRT-PT027_4.8	20/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																
SRT-PT027_13.5	20/9/20																											
SRT-PT027_14.0	20/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5											<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT028_0.25	19/9/20																											
SRT-PT028_0.5	19/9/20																											
SRT-PT028_2.7	20/9/20		<0.5		<0.5		0.5		0.6	1.2	<0.5	1		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
SRT-PT028_2.9	20/9/20																											
SRT-PT028_4.9	20/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5											<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT028_5.5	20/9/20																						<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT028_14.2	20/9/20		<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5																
Statistics																												
Number of Results		**2**	**107**	**2**	**100**	**2**	**100**	**2**	**100**	**100**	**100**	**100**	**2**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**28**	**28**	**28**	**28**	**28**		
Number of Detects		**0**	**2**	**1**	**5**	**1**	**6**	**0**	**100**	**100**	**5**	**9**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**		
Minimum Concentration		**<1**	**<0.5**	**1**	**<0.5**	**<1**	**0.5**	**<1**	**0.6**	**1.2**	**<0.5**	**0.5**	**<1**	**<0.5**	**<0.1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**		
Minimum Detect		**ND**	**0.9**	**1**	**0.9**	**2**	**0.5**	**ND**	**0.6**	**1.2**	**1.7**	**0.5**	**4**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**1.2**	**ND**	**ND**		
Maximum Concentration		**<1**	**1.1**	**1**	**50**	**2**	**99**	**<1**	**73**	**73**	**73**	**554.8**	**4**	**<5**	**<1**	**<5**	**<5**	**<5**	**<5**	**<5**	**<5**	**<0.5**	**<0.5**	**1.2**	**<0.5**	**<0.5**		
Maximum Detect		**ND**	**1.1**	**1**	**50**	**2**	**99**	**ND**	**73**	**73**	**73**	**554.8**	**4**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**1.2**	**ND**	**ND**		
Average Concentration *		**0.5**	**0.26**	**0.75**	**0.89**	**1.2**	**1.5**	**0.5**	**1.5**	**2**	**1.1**	**7.2**	**2.2**	**0.39**	**0.078**	**0.39**	**0.39**	**0.39**	**0.39**	**0.39**	**0.39**	**0.25**	**0.25**	**0.28**	**0.25**	**0.25**		
Median Concentration *		**0.5**	**0.25**	**0.75**	**0.25**	**1.25**	**0.25**	**0.5**	**0.6**	**1.2**	**0.25**	**0.25**	**2.25**	**0.25**	**0.05**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**		
Standard Deviation *		**0**	**0.052**	**0.35**	**5.1**	**1.1**	**10**	**0**	**7.3**	**7.2**	**7.3**	**56**	**2.5**	**0.55**	**0.11**	**0.55**	**0.55**	**0.55**	**0.55**	**0.55**	**0.55**	**0**	**0**	**0.18**	**0**	**0**		
95% UCL (Student's-t) *		**0.5**	**0.281**	**2.328**	**1.741**	**5.985**	**3.146**	**0.5**	**2.674**	**3.237**	**2.342**	**16.53**	**13.3**	**0.556**	**0.111**	**0.556**	**0.556**	**0.556**	**0.556**	**0.556**	**0.556**	**0.25**	**0.25**	**0.342**	**0.25**	**0.25**		

* A Non Detect Multiplier of 0.5 has been applied.

		Asbestos		Particle Size	BTEX												TRH							TRH - (Silica Gel Cleanup)			TPH									
		Asbestos from ACM	Asbestos from FA & AF	% Clay*	Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total		C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Chlorinated hydrocarbons EPAVic
		%w/w	%w/w	%	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				1	0.1	20	0.1	20	0.1	20	0.2	20	0.1	20	0.3	60	20	20	50	50	100	100	100	50	100	100	50	100	100	100	20	20	50	50	50	0.5
NSW 2014 General Solid Waste CT1 (No Leaching)					10		288		600						1,000															650				10,000	
NSW 2014 General Solid Waste SCC1 (with leached)					18		518		1,080						1,800															650				10,000	
NSW 2014 General Solid Waste TCLP1 (leached)						500		14,400		30,000						50,000																				
NSW 2014 Restricted Solid Waste CT2 (No Leaching)					40		1,152		2,400						4,000															2,600				40,000	
NSW 2014 Restricted Solid Waste SCC2 (with leached)					72		2,073		4,320						7,200															2,600				40,000	
NSW 2014 Restricted Solid Waste TCLP2 (leached)						2,000		57,600		120,000						200,000																				
Field ID	**Date**																																			
SRT-PT002_0.5	**7/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT002_0.5	**7/6/20**																																			
SRT-PT002_1.6	**7/6/20**																																			
SRT-PT002_2.3	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT002_4.0	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT003_1.2	**21/6/20**			40	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	<0.5
SRT-PT003_2.7	**21/6/20**			35	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT003_3.8	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT004_0.2	**20/6/20**	0.0000	0.0000	2.0	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT004_0.4	**20/6/20**	0.0000	0.0000																																	
SRT-PT004_2.0	**20/6/20**			39	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT004_5.0	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT004_8.7	**20/6/20**			38	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT004_13.2	**21/6/20**			34	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	<0.5
SRT-PT004_14.4	**21/6/20**			30																																
SRT-PT005_1.4	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT005_4.0	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT006_2.0	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT006_2.4	**14/6/20**	0.0000	0.0000																																	
SRT-PT006_2.8	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140								<20	<20	140	<50	140	
SRT-PT006_5.0	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT006_8.0	**14/6/20**			14																																
SRT-PT006_8.7	**14/6/20**				<0.1		0.2		<0.1		0.2		<0.1		<0.3																					<0.5
SRT-PT006_9.0	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																					<0.5
SRT-PT006_11.0	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT006_12.0	**14/6/20**				0.3	<20	7.8	300	1.8	60	9.7	280	3.5	130	13	410	58	35	63	63	250	<100	313	<50	110	<100	<50	120	120	<100	44	61	250	<50	311	
SRT-PT006_12.7	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT007_1.5	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT007_2.8	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT007_3.7	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT008_0.25	**20/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140								<20	<20	110	<50	110	
SRT-PT008_2.4	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT008_2.7	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT008_4.5	**20/6/20**			33	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT009_0.6	**6/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140								<20	<20	130	<50	130	
SRT-PT009_1.5	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT009_9.8	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT009_12.4	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	69	69	380	<100	449								<20	53	380	52	485	<0.5
SRT-PT010_0.2	**20/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT010_0.3	**20/6/20**	0.0000	0.0000																																	
SRT-PT010_0.6	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT010_4.5	**20/6/20**			30	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT011_0.1	**6/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT011_0.8	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT011_3.5	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT011_12.0	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<50	<100	<100	<100	<20	23	55	<50	78	<0.5
SRT-PT012_1.3	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT012_2.7	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT012_3.5	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT013_0.7	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT013_0.25	**7/6/20**	0.0000	0.0000																																	
SRT-PT013_2.4	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																					<0.5
SRT-PT013_3.8	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	120	<100	120								<20	<20	110	<50	110	<0.5
SRT-PT013_12.4	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	330	<100	330								<20	28	280	95	403	<0.5
SRT-PT013_13.6	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	140	140								<20	28	77	<50	105	<0.5
SRT-PT013_14.4	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<500	<500	<1,000	<1,000	<1,000								<20	<200	<500	<500	<500	
SRT-PT014_0.2	**20/6/20**			24	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT014_4.5	**20/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT014_6.0	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT015_0.15	**20/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT015_0.35	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT015_2.2	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	21	<50	<50	<50	
SRT-PT015_4.2	**20/6/20**			39	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT016_1.6	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT016_2.7	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT016_3.2	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		120	120	<50	<50	<100	<100	<100								57	<20	<50	<50	<50	<0.5
SRT-PT016_3.5	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		160	160	120	119.1	<100	<100	120								81	170	<50	<50	170	
SRT-PT016_4.1	**21/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT017_1.0	**7/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	100	100	2,700	530	3,330								<20	42	2,100	920	3,062	<0.5
SRT-PT017_2.4	**7/6/20**																																			
SRT-PT017_3.0	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	78	78	680	340	1,098								<20	50	520	300	870	
SRT-PT017_3.3	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT017_4.5	**7/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT017_7.0	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140								<20	<20	100	59	159	<0.5
SRT-PT017_11.0	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	51	51	<100	<100	<100								<20	54	60	<50	114	
SRT-PT017_15.0	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT018_0.5	**8/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	86	86	110	<100	196								<20	88	100	<50	188	
SRT-PT018_2.3	**8/6/20**																																			
SRT-PT018_2.8	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	<0.5
SRT-PT018_8.5	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	71	71	<100	<100	<100								<20	76	64	<50	140	
SRT-PT018_11.2	**8/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	<0.5
SRT-PT018_12.2	**6/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	<0.5
SRT-PT019_0.165	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT020_0.32	**20/6/20**	0.0000	0.0000	5.0	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT020_1.0	**20/6/20**			6.0	2.4		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	20	72	<50	92	
SRT-PT020_2.2	**20/6/20**																																			
SRT-PT020_4.1	**20/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	21	<50	<50	<50	
SRT-PT022_2.0	**13/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT022_2.6	**13/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT022_5.0	**13/6/20**			37																																
SRT-PT022_6.3	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	31	<50	<50	<50	<0.5
SRT-PT022_6.7	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																					<0.5
SRT-PT022_16.3	**14/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT023_0.20	**21/6/20**	0.0000	0.0000	33	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	<0.5
SRT-PT023_1.5	**21/6/20**			17	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT023_1.7	**21/6/20**																																			
SRT-PT023_3.5	**21/6/20**			37	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT024_2.0	**13/6/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT024_4.5	**13/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT024_8.2	**13/6/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	<0.5
SRT-PT024_11.2	**13/6/20**																																			
SRT-PT024_13.2	**13/6/20**			41	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT025_0.2	**19/9/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100								<20	<20	<50	<50	<50	
SRT-PT025_1.0	**27/9/20**																																			

	Asbestos		Particle Size	BTEX												TRH							TRH - (Silica Gel Cleanup)			TPH									
	Asbestos from ACM	Asbestos from FA & AF	% Clay*	Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total		C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Chlorinated hydrocarbons EPAVic
	%w/w	%w/w	%	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	0.1	20	0.1	20	0.1	20	0.2	20	0.1	20	0.3	60	20	20	50	50	100	100	100	50	100	100	50	100	100	100	20	20	50	50	50	0.5
NSW 2014 General Solid Waste CT1 (No Leaching)				10		288		600						1,000															650				10,000	
NSW 2014 General Solid Waste SCC1 (with leached)				18		518		1,080						1,800															650				10,000	
NSW 2014 General Solid Waste TCLP1 (leached)					500		14,400		30,000						50,000																				
NSW 2014 Restricted Solid Waste CT2 (No Leaching)				40		1,152		2,400						4,000															2,600				40,000	
NSW 2014 Restricted Solid Waste SCC2 (with leached)				72		2,073		4,320						7,200															2,600				40,000	
NSW 2014 Restricted Solid Waste TCLP2 (leached)					2,000		57,600		120,000						200,000																				
Field ID	**Date**																																		
SRT-PT025_1.2	**27/9/20**	0.0000	0.0000	8.0	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																				<0.5
SRT-PT025_2.5	**27/9/20**	0.0000	0.0000																																
SRT-PT025_4.0	**27/9/20**			39																															
SRT-PT025_5.0	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	<0.5
SRT-PT025_8.5	**27/9/20**																<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT025_9.4	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	600	120	720							<20	<20	680	120	800	<0.5
SRT-PT025_10.8	**27/9/20**																<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT025_11.7	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	450	160	610							<20	40	420	130	590	<0.5
SRT-PT025_12.1	**27/9/20**																<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT025_14.8	**27/9/20**																																		
SRT-PT026_0.2	**19/9/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT026_0.4	**27/9/20**	0.0000	0.0000	21																															
SRT-PT026_0.9	**27/9/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT026_0.15	**19/9/20**	0.0000	0.0000																																
SRT-PT026_2.1	**27/9/20**	0.0000	0.0000																																
SRT-PT026_2.5	**27/9/20**																<20	<20	<50	<50	300	420	720							<20	<20	80	290	370	
SRT-PT026_3.5	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	550	300	850							<20	<20	450	220	670	
SRT-PT026_4.4	**27/9/20**																<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT026_8.0	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	180	180	360							<20	<20	100	130	230	
SRT-PT026_12.1	**27/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	130	120	250							<20	<20	77	82	159	
SRT-PT027_0.25	**19/9/20**	0.0000	0.0000																																
SRT-PT027_0.9	**20/9/20**	0.0000	0.0000		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	<0.5
SRT-PT027_1.1	**20/9/20**																																		
SRT-PT027_2.8	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT027_4.8	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT027_13.5	**20/9/20**			22																															
SRT-PT027_14.0	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	<0.5
SRT-PT028_0.25	**19/9/20**	0.0000	0.0000																																
SRT-PT028_0.5	**19/9/20**	0.0000	0.0000																																
SRT-PT028_2.7	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
SRT-PT028_2.9	**20/9/20**																																		
SRT-PT028_4.9	**20/9/20**			32	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	25	<50	<50	<50	<0.5
SRT-PT028_5.5	**20/9/20**				<0.1		<0.1		<0.1		<0.2		<0.1		<0.3																				<0.5
SRT-PT028_14.2	**20/9/20**			35	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100							<20	<20	<50	<50	<50	
Statistics																																			
Number of Results		27	27	22	94	2	94	2	94	2	94	2	94	2	94	2	93	93	93	93	93	93	93	4	4	4	4	4	4	4	93	93	93	93	93	23
Number of Detects		27	27	22	1	0	0	2	0	2	0	2	0	2	0	2	2	2	7	7	15	9	17	1	2	1	1	2	2	1	2	15	20	11	21	0
Minimum Concentration		0	0	2	<0.1	<20	<0.1	290	<0.1	60	<0.2	280	<0.1	110	<0.3	390	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<50	<100	<100	<100	<20	20	<50	<50	<50	<0.5
Minimum Detect		ND	ND	2	2.4	ND	ND	290	ND	60	ND	280	ND	110	ND	390	120	120	51	51	110	120	120	140	110	160	62	120	120	280	57	20	55	52	78	ND
Maximum Concentration		0	0	40	2.4	<20	<0.1	300	<0.1	60	<0.2	280	<0.1	130	<0.3	410	160	160	<500	<500	2,700	<1,000	3,330	140	740	160	62	922	580	280	81	<200	2,100	920	3,062	<0.5
Maximum Detect		0	0	40	2.4	ND	ND	300	ND	60	ND	280	ND	130	ND	410	160	160	120	119.1	2,700	530	3,330	140	740	160	62	922	580	280	81	170	2,100	920	3,062	ND
Average Concentration *		0	0	27	0.075	10	0.05	295	0.05	60	0.1	280	0.05	120	0.15	400	13	13	32	32	122	75	150	54	238	78	34	286	200	108	11	17	86	50	119	0.25
Median Concentration *		0	0	32.5	0.05	10	0.05	295	0.05	60	0.1	280	0.05	120	0.15	400	10	10	25	25	50	50	50	25	80	50	25	85	85	50	10	10	25	25	25	0.25
Standard Deviation *		0	0	12	0.24	0	0	7.1	0	0	0	0	0	14	0	14	19	19	28	28	298	88	382	58	336	55	18	426	255	115	8.8	23	239	105	348	0
95% UCL (Student's-t) *		0	0	31.75	0.117	10	0.05	326.6	0.05	60	0.1	280	0.05	183.1	0.15	463.1	16.1	16.1	36.55	36.54	172.8	89.93	215.9	121.4	633.1	142.2	56.02	786.3	500.6	242.8	12.78	21.23	127.4	68.37	178.9	0.25

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

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

		Chlorinated Hydrocarbons																									Halogenated Benzenes						
		Other chlorinated hydrocarbons tPAVIC	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05
NSW 2014 General Solid Waste CT1 (No Leaching)			200	600	26	24		14		10						10			120					172	10	14			4	86		150			2,000	
NSW 2014 General Solid Waste SCC1 (with leached)			360	1,080	46.8	43.2		0.7		0.5						18			126					8.6	18	25.2			7.2	4.3		7.5			3,600	
NSW 2014 General Solid Waste TCLP1 (leached)																																			
NSW 2014 Restricted Solid Waste CT2 (No Leaching)			800	2,400	104	96		56		40						40			480					688	40	56			16	344		600			8,000	
NSW 2014 Restricted Solid Waste SCC2 (with leached)			1,440	4,320	187.2	172.8		100		72						72			864					1,240	72	100.8			28.8	620		1,080			14,400	
NSW 2014 Restricted Solid Waste TCLP2 (leached)																																			
Field ID	**Date**																																		
SRT-PT002_0.5	**7/6/20**																																		
SRT-PT002_0.5	**7/6/20**																																		
SRT-PT002_1.6	**7/6/20**																																		<0.05
SRT-PT002_2.3	**7/6/20**																																		
SRT-PT002_4.0	**7/6/20**																																		
SRT-PT003_1.2	**21/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
SRT-PT003_2.7	**21/6/20**																																		
SRT-PT003_3.8	**21/6/20**																																		
SRT-PT004_0.2	**20/6/20**																																		<0.05
SRT-PT004_0.4	**20/6/20**																																		
SRT-PT004_2.0	**20/6/20**																																		
SRT-PT004_5.0	**20/6/20**																																		
SRT-PT004_8.7	**20/6/20**																																		
SRT-PT004_13.2	**21/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
SRT-PT004_14.4	**21/6/20**																																		
SRT-PT005_1.4	**21/6/20**																																		
SRT-PT005_4.0	**21/6/20**																																		
SRT-PT006_2.0	**14/6/20**																																		
SRT-PT006_2.4	**14/6/20**																																		<0.05
SRT-PT006_2.8	**14/6/20**																																		
SRT-PT006_5.0	**14/6/20**																																		
SRT-PT006_8.0	**14/6/20**																																		
SRT-PT006_8.7	**14/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT006_9.0	**14/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT006_11.0	**14/6/20**																																		
SRT-PT006_12.0	**14/6/20**																																		
SRT-PT006_12.7	**14/6/20**																																		
SRT-PT007_1.5	**21/6/20**																																		<0.05
SRT-PT007_2.8	**21/6/20**																																		
SRT-PT007_3.7	**21/6/20**																																		
SRT-PT008_0.25	**20/6/20**																																		
SRT-PT008_2.4	**20/6/20**																																		
SRT-PT008_2.7	**20/6/20**																																		
SRT-PT008_4.5	**20/6/20**																																		
SRT-PT009_0.6	**6/6/20**																																		<0.05
SRT-PT009_1.5	**6/6/20**																																		
SRT-PT009_9.8	**6/6/20**																																		
SRT-PT009_12.4	**6/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT010_0.2	**20/6/20**																																		<0.05
SRT-PT010_0.3	**20/6/20**																																		
SRT-PT010_0.6	**20/6/20**																																		
SRT-PT010_4.5	**20/6/20**																																		
SRT-PT011_0.1	**6/6/20**																																		
SRT-PT011_0.8	**6/6/20**																																		
SRT-PT011_3.5	**6/6/20**																																		<0.05
SRT-PT011_12.0	**6/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT012_1.3	**21/6/20**																																		<0.05
SRT-PT012_2.7	**21/6/20**																																		
SRT-PT012_3.5	**21/6/20**																																		
SRT-PT013_0.7	**7/6/20**																																		<0.05
SRT-PT013_0.25	**7/6/20**																																		
SRT-PT013_2.4	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT013_3.8	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT013_12.4	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT013_13.6	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT013_14.4	**7/6/20**																																		
SRT-PT014_0.2	**20/6/20**																																		<0.05
SRT-PT014_4.5	**20/6/20**																																		<0.05
SRT-PT014_6.0	**20/6/20**																																		
SRT-PT015_0.15	**20/6/20**																																		<0.05
SRT-PT015_0.35	**20/6/20**																																		
SRT-PT015_2.2	**20/6/20**																																		
SRT-PT015_4.2	**20/6/20**																																		<0.05
SRT-PT016_1.6	**20/6/20**																																		<0.05
SRT-PT016_2.7	**21/6/20**																																		
SRT-PT016_3.2	**21/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
SRT-PT016_3.5	**21/6/20**																																		
SRT-PT016_4.1	**21/6/20**																																		
SRT-PT017_1.0	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_2.4	**7/6/20**																																		<0.05
SRT-PT017_3.0	**7/6/20**																																		
SRT-PT017_3.3	**7/6/20**																																		
SRT-PT017_4.5	**7/6/20**																																		
SRT-PT017_7.0	**8/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT017_11.0	**8/6/20**																																		
SRT-PT017_15.0	**8/6/20**																																		
SRT-PT018_0.5	**8/6/20**																																		
SRT-PT018_2.3	**8/6/20**																																		<0.5
SRT-PT018_2.8	**8/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT018_8.5	**8/6/20**																																		
SRT-PT018_11.2	**8/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT018_12.2	**6/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT019_0.165	**20/6/20**																																		<0.05
SRT-PT020_0.32	**20/6/20**																																		<0.05
SRT-PT020_1.0	**20/6/20**																																		
SRT-PT020_2.2	**20/6/20**																																		
SRT-PT020_4.1	**20/6/20**																																		
SRT-PT022_2.0	**13/6/20**																																		
SRT-PT022_2.6	**13/6/20**																																		<0.05
SRT-PT022_5.0	**13/6/20**																																		
SRT-PT022_6.3	**14/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT022_6.7	**14/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT022_16.3	**14/6/20**																																		
SRT-PT023_0.20	**21/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
SRT-PT023_1.5	**21/6/20**																																		<0.05
SRT-PT023_1.7	**21/6/20**																																		
SRT-PT023_3.5	**21/6/20**																																		
SRT-PT024_2.0	**13/6/20**																																		<0.05
SRT-PT024_4.5	**13/6/20**																																		
SRT-PT024_8.2	**13/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT024_11.2	**13/6/20**																																		
SRT-PT024_13.2	**13/6/20**																																		<0.05
SRT-PT025_0.2	**19/9/20**																																		
SRT-PT025_1.0	**27/9/20**																																		

		Chlorinated Hydrocarbons																									Halogenated Benzenes						
		Other chlorinated hydrocarbons tPAVIC	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05
NSW 2014 General Solid Waste CT1 (No Leaching)			200	600	26	24		14		10						10			120					172	10	14			4	86		150			2,000	
NSW 2014 General Solid Waste SCC1 (with leached)			360	1,080	46.8	43.2		0.7		0.5						18			126					8.6	18	25.2			7.2	4.3		7.5			3,600	
NSW 2014 General Solid Waste TCLP1 (leached)																																			
NSW 2014 Restricted Solid Waste CT2 (No Leaching)			800	2,400	104	96		56		40						40			480					688	40	56			16	344		600			8,000	
NSW 2014 Restricted Solid Waste SCC2 (with leached)			1,440	4,320	187.2	172.8		100		72						72			864					1,240	72	100.8			28.8	620		1,080			14,400	
NSW 2014 Restricted Solid Waste TCLP2 (leached)																																			
Field ID	**Date**																																		
SRT-PT025_1.2	**27/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT025_2.5	**27/9/20**																																		
SRT-PT025_4.0	**27/9/20**																																		
SRT-PT025_5.0	**27/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT025_8.5	**27/9/20**																																		
SRT-PT025_9.4	**27/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT025_10.8	**27/9/20**																																		
SRT-PT025_11.7	**27/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT025_12.1	**27/9/20**																																		
SRT-PT025_14.8	**27/9/20**																																		
SRT-PT026_0.2	**19/9/20**																																		<0.05
SRT-PT026_0.4	**27/9/20**																																		
SRT-PT026_0.9	**27/9/20**																																		<0.05
SRT-PT026_0.15	**19/9/20**																																		
SRT-PT026_2.1	**27/9/20**																																		
SRT-PT026_2.5	**27/9/20**																																		
SRT-PT026_3.5	**27/9/20**																																		<0.05
SRT-PT026_4.4	**27/9/20**																																		
SRT-PT026_8.0	**27/9/20**																																		
SRT-PT026_12.1	**27/9/20**																																		
SRT-PT027_0.25	**19/9/20**																																		
SRT-PT027_0.9	**20/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
SRT-PT027_1.1	**20/9/20**																																		
SRT-PT027_2.8	**20/9/20**																																		
SRT-PT027_4.8	**20/9/20**																																		
SRT-PT027_13.5	**20/9/20**																																		
SRT-PT027_14.0	**20/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT028_0.25	**19/9/20**																																		
SRT-PT028_0.5	**19/9/20**																																		
SRT-PT028_2.7	**20/9/20**																																		<0.05
SRT-PT028_2.9	**20/9/20**																																		
SRT-PT028_4.9	**20/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT028_5.5	**20/9/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT028_14.2	**20/9/20**																																		
Statistics																																			
Number of Results		**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**28**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.05**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.041**
Median Concentration *		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.025**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.059**
95% UCL (Student's-t) *		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.0601**

***** A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was

		Halogenated Hydrocarbons					Perfluoroalkane Carboxylic Acids																		(n:2) Fluorotelomer Sulfonic Acids							
		1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	Perfluorobutanoic acid (PFBA)		Perfluorohexanoic acid (PFHxA)		Perfluoropentanoic acid (PFPeA)		Perfluoroheptanoic acid (PFHpA)		Perfluorooctanoic acid (PFOA)		Perfluorodecanoic acid (PFDA)		Perfluorododecanoic acid (PFDoDA)		Perfluorononanoic acid (PFNA)		Perfluorotetradecanoic acid (PFTeDA)		Perfluorotridecanoic acid (PFTrDA)		Perfluoroundecanoic acid (PFUnDA)		Perfluoroundecanoic acid (PFUnDA)		4:2 Fluorotelomer sulfonic acid (4:2 FTS)		6:2 Fluorotelomer sulfonic acid (6:2 FTS)		8:2 Fluorotelomer sulfonic acid (8:2 FTS)		10:2 Fluorotelomer sulfonic acid (10:2 FTS)	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
EQL		0.5	0.5	0.5	0.5	0.5	0.005	0.05	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.01	0.05	0.005	0.01	0.005	0.01
NSW 2014 General Solid Waste CT1 (No Leaching)																																						
NSW 2014 General Solid Waste SCC1 (with leached)															18																							
NSW 2014 General Solid Waste TCLP1 (leached)																500																						
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																																						
NSW 2014 Restricted Solid Waste SCC2 (with leached)															72																							
NSW 2014 Restricted Solid Waste TCLP2 (leached)																2,000																						
Field ID	**Date**																																					
SRT-PT002_0.5	7/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT002_0.5	7/6/20																																					
SRT-PT002_1.6	7/6/20																																					
SRT-PT002_2.3	7/6/20																																					
SRT-PT002_4.0	7/6/20																																					
SRT-PT003_1.2	21/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT003_2.7	21/6/20																																					
SRT-PT003_3.8	21/6/20																																					
SRT-PT004_0.2	20/6/20																																					
SRT-PT004_0.4	20/6/20																																					
SRT-PT004_2.0	20/6/20																																					
SRT-PT004_5.0	20/6/20																																					
SRT-PT004_8.7	20/6/20																																					
SRT-PT004_13.2	21/6/20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT004_14.4	21/6/20																																					
SRT-PT005_1.4	21/6/20																																					
SRT-PT005_4.0	21/6/20																																					
SRT-PT006_2.0	14/6/20																																					
SRT-PT006_2.4	14/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT006_2.8	14/6/20																																					
SRT-PT006_5.0	14/6/20																																					
SRT-PT006_8.0	14/6/20																																					
SRT-PT006_8.7	14/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT006_9.0	14/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT006_11.0	14/6/20																																					
SRT-PT006_12.0	14/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT006_12.7	14/6/20																																					
SRT-PT007_1.5	21/6/20																																					
SRT-PT007_2.8	21/6/20																																					
SRT-PT007_3.7	21/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT008_0.25	20/6/20																																					
SRT-PT008_2.4	20/6/20																																					
SRT-PT008_2.7	20/6/20																																					
SRT-PT008_4.5	20/6/20																																					
SRT-PT009_0.6	6/6/20																																					
SRT-PT009_1.5	6/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT009_9.8	6/6/20																																					
SRT-PT009_12.4	6/6/20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT010_0.2	20/6/20																																					
SRT-PT010_0.3	20/6/20																																					
SRT-PT010_0.6	20/6/20																																					
SRT-PT010_4.5	20/6/20																																					
SRT-PT010_0.2	20/6/20																																					
SRT-PT010_0.3	20/6/20																																					
SRT-PT010_0.6	20/6/20																																					
SRT-PT010_4.5	20/6/20																																					
SRT-PT011_0.1	6/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT011_0.8	6/6/20																																					
SRT-PT011_3.5	6/6/20																																					
SRT-PT011_12.0	6/6/20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT012_1.3	21/6/20																																					
SRT-PT012_2.7	21/6/20																																					
SRT-PT012_3.5	21/6/20																																					
SRT-PT013_0.7	7/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT013_0.25	7/6/20																																					
SRT-PT013_2.4	7/6/20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT013_3.8	7/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT013_12.4	7/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT013_13.6	7/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT013_14.4	7/6/20																																					
SRT-PT014_0.2	20/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT014_4.5	20/6/20																																					
SRT-PT014_6.0	20/6/20																																					
SRT-PT015_0.15	20/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT015_0.35	20/6/20																																					
SRT-PT015_2.2	20/6/20																																					
SRT-PT015_4.2	20/6/20																																					
SRT-PT016_1.6	20/6/20																																					
SRT-PT016_2.7	21/6/20																																					
SRT-PT016_3.2	21/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT016_3.5	21/6/20																																					
SRT-PT016_4.1	21/6/20																																					
SRT-PT017_1.0	7/6/20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.05		0.03		<0.01		<0.01		0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	<0.005	<0.01		<0.05		<0.01		<0.01	
SRT-PT017_2.4	7/6/20																																					
SRT-PT017_3.0	7/6/20																																					
SRT-PT017_3.3	7/6/20																																					
SRT-PT017_4.5	7/6/20																																					
SRT-PT017_7.0	8/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT017_11.0	8/6/20																																					
SRT-PT017_15.0	8/6/20																																					
SRT-PT018_0.5	8/6/20																																					
SRT-PT018_2.3	8/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT018_2.8	8/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT018_8.5	8/6/20																																					
SRT-PT018_11.2	8/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT018_12.2	6/6/20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT019_0.165	20/6/20																																					
SRT-PT020_0.32	20/6/20																																					
SRT-PT020_1.0	20/6/20																																					
SRT-PT020_2.2	20/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT020_4.1	20/6/20																																					
SRT-PT022_2.0	13/6/20																																					
SRT-PT022_2.6	13/6/20																																					
SRT-PT022_5.0	13/6/20																																					
SRT-PT022_6.3	14/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT022_6.7	14/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT022_16.3	14/6/20																																					
SRT-PT023_0.20	21/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT023_1.5	21/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT023_1.7	21/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT023_3.5	21/6/20																																					
SRT-PT024_2.0	13/6/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT024_4.5	13/6/20																																					
SRT-PT024_8.2	13/6/20	<0.5	<0.5	<0.5	<0.5	<0.5																																
SRT-PT024_11.2	13/6/20																																					
SRT-PT024_13.2	13/6/20																																					
SRT-PT025_0.2	19/9/20																																					
SRT-PT025_1.0	27/9/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	

		Halogenated Hydrocarbons					Perfluoroalkane Carboxylic Acids																				(n:2) Fluorotelomer Sulfonic Acids							
		1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	Perfluorobutanoic acid (PFBA)		Perfluorohexanoic acid (PFHxA)		Perfluoropentanoic acid (PFPeA)		Perfluoroheptanoic acid (PFHpA)		Perfluorooctanoic acid (PFOA)		Perfluorodecanoic acid (PFDA)		Perfluorododecanoic acid (PFDoDA)		Perfluorononanoic acid (PFNA)		Perfluorotetradecanoic acid (PFTeDA)		Perfluorotridecanoic acid (PFTrDA)		Perfluoroundecanoic acid (PFUnDA)		4:2 Fluorotelomer sulfonic acid (4:2 FTS)		6:2 Fluorotelomer sulfonic acid (6:2 FTS)		8:2 Fluorotelomer sulfonic acid (8:2 FTS)		10:2 Fluorotelomer sulfonic acid (10:2 FTS)	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
EQL		0.5	0.5	0.5	0.5	0.5	0.005	0.05	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.01	0.05	0.005	0.01	0.005	0.01
NSW 2014 General Solid Waste CT1 (No Leaching)																																				
NSW 2014 General Solid Waste SCC1 (with leached)															18																					
NSW 2014 General Solid Waste TCLP1 (leached)																500																				
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																																				
NSW 2014 Restricted Solid Waste SCC2 (with leached)															72																					
NSW 2014 Restricted Solid Waste TCLP2 (leached)																2,000																					
Field ID	**Date**																																			
SRT-PT025_1.2	27/9/20	<0.5	<0.5	<0.5	<0.5	<0.5																														
SRT-PT025_2.5	27/9/20																																			
SRT-PT025_4.0	27/9/20																																			
SRT-PT025_5.0	27/9/20	<0.5	<0.5	<0.5	<0.5	<0.5																														
SRT-PT025_8.5	27/9/20																																			
SRT-PT025_9.4	27/9/20	<0.5	<0.5	<0.5	<0.5	<0.5																														
SRT-PT025_10.8	27/9/20																																			
SRT-PT025_11.7	27/9/20	<0.5	<0.5	<0.5	<0.5	<0.5																														
SRT-PT025_12.1	27/9/20																																			
SRT-PT025_14.8	27/9/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT026_0.2	19/9/20																																			
SRT-PT026_0.4	27/9/20																																			
SRT-PT026_0.9	27/9/20																																			
SRT-PT026_0.15	19/9/20																																			
SRT-PT026_2.1	27/9/20																																			
SRT-PT026_2.5	27/9/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT026_3.5	27/9/20																																			
SRT-PT026_4.4	27/9/20																																			
SRT-PT026_8.0	27/9/20																																			
SRT-PT026_12.1	27/9/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT027_0.25	19/9/20																																			
SRT-PT027_0.9	20/9/20	<0.5	<0.5	<0.5	<0.5	<0.5																														
SRT-PT027_1.1	20/9/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT027_2.8	20/9/20																																			
SRT-PT027_4.8	20/9/20																																			
SRT-PT027_13.5	20/9/20																																			
SRT-PT027_14.0	20/9/20	<0.5	<0.5	<0.5	<0.5	<0.5																														
SRT-PT028_0.25	19/9/20																																			
SRT-PT028_0.5	19/9/20																																			
SRT-PT028_2.7	20/9/20						<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.005	
SRT-PT028_2.9	20/9/20																																			
SRT-PT028_4.9	20/9/20	<0.5	<0.5	<0.5	<0.5	<0.5																														
SRT-PT028_5.5	20/9/20	<0.5	<0.5	<0.5	<0.5	<0.5																														
SRT-PT028_14.2	20/9/20																																			
Statistics																																				
Number of Results		23	23	23	23	23	23	1	23	1	23	1	23	1	23	1	23	1	23	1	23	1	23	1	23	1	23	1	23	1	23	1	23	1	23	1
Number of Detects		0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.05	<0.005	0.03	<0.005	<0.01	<0.005	<0.01	<0.005	0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.01	<0.05	<0.005	<0.01	<0.005	<0.01
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.05	<0.005	0.03	<0.005	<0.01	<0.005	<0.01	<0.005	0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.01	<0.05	<0.005	<0.01	<0.005	<0.01
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration *		0.25	0.25	0.25	0.25	0.25	0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.005		0.0025		0.0025	
Median Concentration *		0.25	0.25	0.25	0.25	0.25	0.0025	0.025	0.0025	0.03	0.0025	0.005	0.0025	0.005	0.0025	0.01	0.0025	0.005	0.0025	0.005	0.0025	0.005	0.0025	0.005	0.0025	0.005	0.0025	0.005	0.0025	0.005	0.005	0.025	0.0025	0.005	0.0025	0.005
Standard Deviation *		0	0	0	0	0	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
95% UCL (Student's-t) *		0.25	0.25	0.25	0.25	0.25	0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.0025		0.005		0.0025		0.0025	

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was

		Perfluoroalkane Sulfonic Acids														Perfluoroalkyl Sulfonamides												PFOS/PFOA		PF			
		Perfluoropropanesulfonic acid (PFPrS)		Perfluorobutane sulfonic acid (PFBS)		Perfluoropentane sulfonic acid (PFPeS)		Perfluorohexane sulfonic acid (PFHxS)		Perfluoroheptane sulfonic acid (PFHpS)		Perfluorooctane sulfonic acid (PFOS)		Perfluorodecane sulfonic acid (PFDS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)		N-Methyl perfluorooctane sulfonamide (MeFOSA)		N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)		N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)		N-Ethyl perfluorooctane sulfonamide (EtFOSA)		N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)		N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)		N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluorononanesulfonic acid (PFNS)(trace)	Perfluorononanesulfonic acid (PFNS)(trace)	Sum of PFHxS and PFOS		Sum of PFAS		Sum of PFAS (WA	
		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg
EQL		0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.05	0.005	0.05	0.01	0.05	0.005	0.05	0.005	0.05	0.01	0.05	0.005	0.05	0.005	0.01	0.005	0.01	0.05	0.1	0.01
NSW 2014 General Solid Waste CT1 (No Leaching)																																				
NSW 2014 General Solid Waste SCC1 (with leached)																																1.8				
NSW 2014 General Solid Waste TCLP1 (leached)																																				
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																																				
NSW 2014 Restricted Solid Waste SCC2 (with leached)																																7.2				
NSW 2014 Restricted Solid Waste TCLP2 (leached)																																	200			
Field ID	**Date**																																			
SRT-PT002_0.5	**7/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT002_0.5	**7/6/20**																															<0.005		<0.05		<0.01
SRT-PT002_1.6	**7/6/20**																																			
SRT-PT002_2.3	**7/6/20**																																			
SRT-PT002_4.0	**7/6/20**																																			
SRT-PT003_1.2	**21/6/20**																																			
SRT-PT003_2.7	**21/6/20**																																			
SRT-PT003_3.8	**21/6/20**																																			
SRT-PT004_0.2	**20/6/20**																																			
SRT-PT004_0.4	**20/6/20**																																			
SRT-PT004_2.0	**20/6/20**																																			
SRT-PT004_5.0	**20/6/20**																																			
SRT-PT004_8.7	**20/6/20**																																			
SRT-PT004_13.2	**21/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT004_14.4	**21/6/20**																																			
SRT-PT005_1.4	**21/6/20**																																			
SRT-PT005_4.0	**21/6/20**																																			
SRT-PT006_2.0	**14/6/20**																																			
SRT-PT006_2.4	**14/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT006_2.8	**14/6/20**																																			
SRT-PT006_5.0	**14/6/20**																																			
SRT-PT006_8.0	**14/6/20**																																			
SRT-PT006_8.7	**14/6/20**																																			
SRT-PT006_9.0	**14/6/20**																																			
SRT-PT006_11.0	**14/6/20**																																			
SRT-PT006_12.0	**14/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT006_12.7	**14/6/20**																															<0.005		<0.05		<0.01
SRT-PT007_1.5	**21/6/20**																																			
SRT-PT007_2.8	**21/6/20**																																			
SRT-PT007_3.7	**21/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT008_0.25	**20/6/20**																															<0.005		<0.05		<0.01
SRT-PT008_2.4	**20/6/20**																																			
SRT-PT008_2.7	**20/6/20**																																			
SRT-PT008_4.5	**20/6/20**																																			
SRT-PT009_0.6	**6/6/20**																																			
SRT-PT009_1.5	**6/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT009_9.8	**6/6/20**																															<0.005		<0.05		<0.01
SRT-PT009_12.4	**6/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT010_0.2	**20/6/20**																															<0.005		<0.05		<0.01
SRT-PT010_0.3	**20/6/20**																																			
SRT-PT010_0.6	**20/6/20**																																			
SRT-PT010_4.5	**20/6/20**																																			
SRT-PT011_0.1	**6/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT011_0.8	**6/6/20**																															<0.005		<0.05		<0.01
SRT-PT011_3.5	**6/6/20**																																			
SRT-PT011_12.0	**6/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT012_1.3	**21/6/20**																															<0.005		<0.05		<0.01
SRT-PT012_2.7	**21/6/20**																																			
SRT-PT012_3.5	**21/6/20**																																			
SRT-PT013_0.7	**7/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT013_0.25	**7/6/20**																															<0.005		<0.05		<0.01
SRT-PT013_2.4	**7/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT013_3.8	**7/6/20**																																			
SRT-PT013_12.4	**7/6/20**																																			
SRT-PT013_13.6	**7/6/20**																																			
SRT-PT013_14.4	**7/6/20**																																			
SRT-PT014_0.2	**20/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT014_4.5	**20/6/20**																																			
SRT-PT014_6.0	**20/6/20**																																			
SRT-PT015_0.15	**20/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT015_0.35	**20/6/20**																																			
SRT-PT015_2.2	**20/6/20**																																			
SRT-PT015_4.2	**20/6/20**																																			
SRT-PT016_1.6	**20/6/20**																																			
SRT-PT016_2.7	**21/6/20**																																			
SRT-PT016_3.2	**21/6/20**																																			
SRT-PT016_3.5	**21/6/20**																																			
SRT-PT016_4.1	**21/6/20**																																			
SRT-PT017_1.0	**7/6/20**		<0.01		0.02		0.01		0.12		0.01		0.86		<0.01	<0.005	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.01		0.98		1.06	
SRT-PT017_2.4	**7/6/20**																																			
SRT-PT017_3.0	**7/6/20**																																			
SRT-PT017_3.3	**7/6/20**																																			
SRT-PT017_4.5	**7/6/20**																																			
SRT-PT017_7.0	**8/6/20**																																			
SRT-PT017_11.0	**8/6/20**																																			
SRT-PT017_15.0	**8/6/20**																																			
SRT-PT018_0.5	**8/6/20**																																			
SRT-PT018_2.3	**8/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT018_2.8	**8/6/20**																																			
SRT-PT018_8.5	**8/6/20**																																			
SRT-PT018_11.2	**8/6/20**																																			
SRT-PT018_12.2	**6/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT019_0.165	**20/6/20**																															<0.005		<0.05		<0.01
SRT-PT020_0.32	**20/6/20**																																			
SRT-PT020_1.0	**20/6/20**																																			
SRT-PT020_2.2	**20/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT020_4.1	**20/6/20**																															<0.005		<0.05		<0.01
SRT-PT022_2.0	**13/6/20**																																			
SRT-PT022_2.6	**13/6/20**																																			
SRT-PT022_5.0	**13/6/20**																																			
SRT-PT022_6.3	**14/6/20**																																			
SRT-PT022_6.7	**14/6/20**																																			
SRT-PT022_16.3	**14/6/20**																																			
SRT-PT023_0.20	**21/6/20**																																			
SRT-PT023_1.5	**21/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT023_1.7	**21/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT023_3.5	**21/6/20**																																			
SRT-PT024_2.0	**13/6/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						
SRT-PT024_4.5	**13/6/20**																																			
SRT-PT024_8.2	**13/6/20**																																			
SRT-PT024_11.2	**13/6/20**																																			
SRT-PT024_13.2	**13/6/20**																																			
SRT-PT025_0.2	**19/9/20**																																			
SRT-PT025_1.0	**27/9/20**	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005						

	Perfluoroalkane Sulfonic Acids														Perfluoroalkyl Sulfonamides												PFOS/PFOA		PF			
	Perfluoropropanesulfonic acid (PFPrS)		Perfluorobutane sulfonic acid (PFBS)		Perfluoropentane sulfonic acid (PFPeS)		Perfluorohexane sulfonic acid (PFHxS)		Perfluoroheptane sulfonic acid (PFHpS)		Perfluorooctane sulfonic acid (PFOS)		Perfluorodecane sulfonic acid (PFDS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)		N-Methyl perfluorooctane sulfonamide (MeFOSA)		N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)		N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)		N-Ethyl perfluorooctane sulfonamide (EtFOSA)		N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)		N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluorononanesulfonic acid (PFNS)(trace)	Perfluorononanesulfonic acid (PFNS)(trace)	Sum of PFHxS and PFOS		Sum of PFAS		Sum of PFAS (WA	
	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg
EQL	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.01	0.005	0.05	0.005	0.05	0.01	0.05	0.005	0.05	0.005	0.05	0.01	0.05	0.005	0.05	0.005	0.01	0.005	0.01	0.05	0.1	0.01
NSW 2014 General Solid Waste CT1 (No Leaching)																																			
NSW 2014 General Solid Waste SCC1 (with leached)																															1.8				
NSW 2014 General Solid Waste TCLP1 (leached)																																			
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																																			
NSW 2014 Restricted Solid Waste SCC2 (with leached)																															7.2				
NSW 2014 Restricted Solid Waste TCLP2 (leached)																															200				
Field ID	**Date**																																		
SRT-PT025_1.2	27/9/20																																		
SRT-PT025_2.5	27/9/20																																		
SRT-PT025_4.0	27/9/20																																		
SRT-PT025_5.0	27/9/20																																		
SRT-PT025_8.5	27/9/20																																		
SRT-PT025_9.4	27/9/20																																		
SRT-PT025_10.8	27/9/20																																		
SRT-PT025_11.7	27/9/20																																		
SRT-PT025_12.1	27/9/20																																		
SRT-PT025_14.8	27/9/20	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05		<0.01
SRT-PT026_0.2	19/9/20																																		
SRT-PT026_0.4	27/9/20																																		
SRT-PT026_0.9	27/9/20																																		
SRT-PT026_0.15	19/9/20																																		
SRT-PT026_2.1	27/9/20																																		
SRT-PT026_2.5	27/9/20	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05		<0.01
SRT-PT026_3.5	27/9/20																																		
SRT-PT026_4.4	27/9/20																																		
SRT-PT026_8.0	27/9/20																																		
SRT-PT026_12.1	27/9/20	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05		<0.01
SRT-PT027_0.25	19/9/20																																		
SRT-PT027_0.9	20/9/20																																		
SRT-PT027_1.1	20/9/20	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05		<0.01
SRT-PT027_2.8	20/9/20																																		
SRT-PT027_4.8	20/9/20																																		
SRT-PT027_13.5	20/9/20																																		
SRT-PT027_14.0	20/9/20																																		
SRT-PT028_0.25	19/9/20																																		
SRT-PT028_0.5	19/9/20																																		
SRT-PT028_2.7	20/9/20	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.01		<0.005		<0.01		<0.005		<0.005		<0.005		<0.005		<0.05		<0.01
SRT-PT028_2.9	20/9/20																																		
SRT-PT028_4.9	20/9/20																																		
SRT-PT028_5.5	20/9/20																																		
SRT-PT028_14.2	20/9/20																																		
Statistics																																			
Number of Results	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**	**1**	**23**
Number of Detects	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**1**	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**
Minimum Concentration	**<0.005**	**<0.01**	**<0.005**	**0.02**	**<0.005**	**0.01**	**<0.005**	**0.12**	**<0.005**	**0.01**	**<0.005**	**0.86**	**<0.005**	**<0.01**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.01**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.01**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.01**	**<0.005**	**0.98**	**<0.05**	**1.06**	**<0.01**
Minimum Detect	**ND**	**ND**	**ND**	**0.02**	**ND**	**0.01**	**0.0075**	**0.12**	**ND**	**0.01**	**0.1**	**0.86**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.1075**	**0.98**	**0.1075**	**1.06**	**0.1075**
Maximum Concentration	**<0.005**	**<0.01**	**<0.005**	**0.02**	**<0.005**	**0.01**	**0.0075**	**0.12**	**<0.005**	**0.01**	**0.1**	**0.86**	**<0.005**	**<0.01**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.01**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.05**	**<0.01**	**<0.05**	**<0.005**	**<0.05**	**<0.005**	**<0.01**	**0.1075**	**0.98**	**0.1075**	**1.06**	**0.1075**
Maximum Detect	**ND**	**ND**	**ND**	**0.02**	**ND**	**0.01**	**0.0075**	**0.12**	**ND**	**0.01**	**0.1**	**0.86**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.1075**	**0.98**	**0.1075**	**1.06**	**0.1075**
Average Concentration *	**0.0025**		**0.0025**		**0.0025**		**0.0027**		**0.0025**		**0.0067**		**0.0025**		**0.0025**		**0.0025**		**0.0025**		**0.005**		**0.0025**		**0.005**		**0.0025**		**0.0025**		**0.0025**		**0.0071**		**0.029**		**0.0095**
Median Concentration *	**0.0025**	**0.005**	**0.0025**	**0.02**	**0.0025**	**0.01**	**0.0025**	**0.12**	**0.0025**	**0.01**	**0.0025**	**0.86**	**0.0025**	**0.005**	**0.0025**	**0.025**	**0.0025**	**0.025**	**0.005**	**0.025**	**0.0025**	**0.025**	**0.0025**	**0.025**	**0.005**	**0.025**	**0.0025**	**0.025**	**0.0025**	**0.005**	**0.0025**	**0.98**	**0.025**	**1.06**	**0.005**
Standard Deviation *	**0**		**0**		**0**		**0.001**		**0**		**0.02**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0.022**		**0.017**		**0.021**
95% UCL (Student's-t) *	**0.0025**		**0.0025**		**0.0025**		**0.00309**		**0.0025**		**0.014**		**0.0025**		**0.0025**		**0.005**		**0.0025**		**0.0025**		**0.005**		**0.0025**		**0.0025**		**0.0025**		**0.0149**		**0.0347**		**0.0171**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was

		BTEX			PAHs		MAH					Metals										Organochlorine Pesticides															
		Benzene	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)		Sum of PFAS (PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead		Mercury	Nickel		Zinc	Organochlorine pesticides tPAVic	Other organochlorine pesticides tPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II
		µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.05	0.005	0.01	0.005	0.01	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.01	0.1	5	0.01	5	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05
NSW 2014 General Solid Waste CT1 (No Leaching)											60	100	20			100		4	40																	
NSW 2014 General Solid Waste SCC1 (with leached)											108	500	100			1,500		50	1,050																	
NSW 2014 General Solid Waste TCLP1 (leached)																	5			2																
NSW 2014 Restricted Solid Waste CT2 (No Leaching)											240	400	80			400		16	160																	
NSW 2014 Restricted Solid Waste SCC2 (with leached)											432	2,000	400			6,000		200	4,200																	
NSW 2014 Restricted Solid Waste TCLP2 (leached)																	20			8																
Field ID	**Date**																																				
SRT-PT002_0.5	7/6/20		<0.005		<0.005							2.3	<0.4	140	40	12		<0.1	160		89															
SRT-PT002_0.5	7/6/20																			0.07																
SRT-PT002_1.6	7/6/20																					<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT002_2.3	7/6/20											8.6	<0.4	98	<5	9.7		<0.1	10		<5															
SRT-PT002_4.0	7/6/20											10	<0.4	64	<5	13		<0.1	6.8		<5															
SRT-PT003_1.2	21/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	7.3	<0.4	85	<5	9.3		<0.1	8.4		11	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT003_2.7	21/6/20											17	<0.4	98	<5	15		<0.1	<5		<5															
SRT-PT003_3.8	21/6/20											8.4	<0.4	69	<5	13		<0.1	<5		<5															
SRT-PT004_0.2	20/6/20											2.6	<0.4	90	33	36		0.1	89	0.20	81	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT004_0.4	20/6/20																																				
SRT-PT004_2.0	20/6/20											6.4	<0.4	73	<5	11		<0.1	11		5.6																
SRT-PT004_5.0	20/6/20											14	<0.4	110	11	28		<0.1	<5		<5															
SRT-PT004_8.7	20/6/20											<2	<0.4	5.8	<5	53		0.2	<5		<5															
SRT-PT004_13.2	21/6/20		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5	10	<0.4	32	7.5	27		<0.1	<5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT004_14.4	21/6/20																																				
SRT-PT005_1.4	21/6/20											8.9	<0.4	86	<5	9.2		<0.1	8.3		<5															
SRT-PT005_4.0	21/6/20											12	<0.4	58	<5	16		<0.1	<5		<5															
SRT-PT006_2.0	14/6/20											8.2	<0.4	85	<5	8.0		<0.1	8.9		<5															
SRT-PT006_2.4	14/6/20		<0.005		<0.005							11	<0.4	96	<5	14		<0.1	14		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT006_2.8	14/6/20											16	<0.4	84	<5	13		<0.1	<5		<5															
SRT-PT006_5.0	14/6/20											9.8	<0.4	79	15	11		<0.1	<5		<5															
SRT-PT006_8.0	14/6/20																																				
SRT-PT006_8.7	14/6/20						<0.5	<0.5	<0.5	<0.5	<0.5																										
SRT-PT006_9.0	14/6/20						<0.5	<0.5	<0.5	<0.5	<0.5																										
SRT-PT006_11.0	14/6/20											4.3	<0.4	16	5.9	26		<0.1	<5		<5															
SRT-PT006_12.0	14/6/20		<0.005		<0.005							11	<0.4	32	7.3	32		<0.1	<5		<5															
SRT-PT006_12.7	14/6/20											<2	<0.4	7.0	<5	40		<0.1	<5		<5															
SRT-PT007_1.5	21/6/20											8.2	<0.4	110	<5	16		<0.1	8.3		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT007_2.8	21/6/20											3.4	<0.4	38	6.1	10		<0.1	8.3		<5															
SRT-PT007_3.7	21/6/20		<0.005		<0.005							18	<0.4	95	13	19		<0.1	<5		<5															
SRT-PT008_0.25	20/6/20											6.9	0.5	37	44	320	0.05	0.4	19		290															
SRT-PT008_2.4	20/6/20											7.7	<0.4	72	<5	17		<0.1	12		13															
SRT-PT008_2.7	20/6/20											5.2	<0.4	75	<5	9.1		<0.1	11		<5															
SRT-PT008_4.5	20/6/20											7.7	<0.4	41	<5	10		<0.1	<5		<5															
SRT-PT009_0.6	6/6/20											2.9	<0.4	17	13	51		0.2	11		86	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT009_1.5	6/6/20		<0.005		<0.005							9.6	<0.4	98	5.7	25		0.2	15		70															
SRT-PT009_9.8	6/6/20											21	<0.4	40	9.9	16		<0.1	<5		<5															
SRT-PT009_12.4	6/6/20		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5	5.7	<0.4	46	6.0	15		<0.1	5.5		7.6															
SRT-PT010_0.2	20/6/20											3.7	<0.4	42	24	6.5		<0.1	47		68	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT010_0.3	20/6/20																																				
SRT-PT010_0.6	20/6/20											18	<0.4	100	<5	21		<0.1	7.7		6.0															
SRT-PT010_4.5	20/6/20											5.1	<0.4	41	<5	9.4		0.1	5.2		11															
SRT-PT011_0.1	6/6/20		<0.005		<0.005							4.3	<0.4	52	17	69		0.2	32		97															
SRT-PT011_0.8	6/6/20											7.8	<0.4	88	<5	13		<0.1	17		28															
SRT-PT011_3.5	6/6/20											8.5	<0.4	58	<5	12		<0.1	15		15	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT011_12.0	6/6/20		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5	8.3	<0.4	47	17	27		<0.1	5.3		5.5															
SRT-PT012_1.3	21/6/20											7.1	<0.4	84	<5	14		<0.1	16		9.8	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT012_2.7	21/6/20											5.6	<0.4	65	<5	15		<0.1	15		<5															
SRT-PT012_3.5	21/6/20											8.0	<0.4	56	5.7	12		0.1	9.9		<5															
SRT-PT013_0.7	7/6/20		<0.005		<0.005							4.5	<0.4	62	<5	14		<0.1	14		5.3	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT013_0.25	7/6/20																																				
SRT-PT013_2.4	7/6/20		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5																										
SRT-PT013_3.8	7/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	8.8	<0.4	80	<5	15		<0.1	14		5.2																
SRT-PT013_12.4	7/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	8.9	<0.4	65	8.4	18		<0.1	5.5		6.7																
SRT-PT013_13.6	7/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	8.5	<0.4	41	14	18		<0.1	<5		<5																
SRT-PT013_14.4	7/6/20											10	<0.4	48	10	20		<0.1	<5		<5															
SRT-PT014_0.2	20/6/20		<0.005		<0.005							18	<0.4	9.9	5.5	22		<0.1	<5		9.1	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT014_4.5	20/6/20											7.3	<0.4	67	9.9	18		0.2	8.0		13	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT014_6.0	20/6/20											18	<0.4	87	11	18		0.2	5.3		<5															
SRT-PT015_0.15	20/6/20		<0.005		<0.005							6.6	<0.4	20	8.9	21		<0.1	<5		5.4	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT015_0.35	20/6/20											4.6	<0.4	23	<5	22		<0.1	<5		<5															
SRT-PT015_2.2	20/6/20											4.3	<0.4	62	<5	8.7		<0.1	18		<5															
SRT-PT015_4.2	20/6/20											<2	<0.4	28	12	7.1		0.1	10		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT016_1.6	20/6/20											11	<0.4	75	<5	27		0.2	15		28	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT016_2.7	21/6/20											12	<0.4	80	<5	21		<0.1	9.1		12															
SRT-PT016_3.2	21/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.4	74	<5	17		<0.1	7.5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT016_3.5	21/6/20											7.2	<0.4	75	<5	16		<0.1	6.4		<5															
SRT-PT016_4.1	21/6/20											9.5	<0.4	77	<5	16		<0.1	6.1		<5															
SRT-PT017_1.0	7/6/20	1.04		0.99		0.87	<0.5	<0.5	<0.5	<0.5	<0.5	6.0	<0.4	42	62	560	0.48	0.5	43		750	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_2.4	7/6/20																					<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT017_3.0	7/6/20											5.1	<0.4	36	35	770	0.50	0.3	22		220															
SRT-PT017_3.3	7/6/20											6.8	<0.4	76	<5	15		0.1	12		<5															
SRT-PT017_4.5	7/6/20											8.9	<0.4	61	<5	18		<0.1	11		11															
SRT-PT017_7.0	8/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	9.7	<0.4	87	5.9	85		0.1	14		46															
SRT-PT017_11.0	8/6/20											2.3	<0.4	14	9.7	8.0		<0.1	<5		<5															
SRT-PT017_15.0	8/6/20											28	<0.4	56	45	33		<0.1	5.1		<5															
SRT-PT018_0.5	8/6/20											5.8	<0.4	31	15	35		<0.1	9.5		48															
SRT-PT018_2.3	8/6/20		<0.005		<0.005																	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_2.8	8/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	3.6	<0.4	44	<5	10		<0.1	18		18															
SRT-PT018_8.5	8/6/20											<2	<0.4	26	6.5	14		<0.1	<5		<5															
SRT-PT018_11.2	8/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	8.5	<0.4	35	9.8	22		<0.1	<5		<5															
SRT-PT018_12.2	6/6/20		<0.005		<0.005		<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.4	22	5.6	12		<0.1	<5		<5															
SRT-PT019_0.165	20/6/20											6.2	<0.4	52	11	18		<0.1	11		22	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT020_0.32	20/6/20											<2	<0.4	13	6.4	12		<0.1	9.1		21	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT020_1.0	20/6/20											3.0	<0.4	67	31	6.9		<0.1	70	0.11	57															
SRT-PT020_2.2	20/6/20		<0.005		<0.005																														
SRT-PT020_4.1	20/6/20											4.1	<0.4	52	6.6	7.7		<0.1	9.3		<5															
SRT-PT022_2.0	13/6/20											4.6	<0.4	44	<5	19		<0.1	7.3		24															
SRT-PT022_2.6	13/6/20											5.8	<0.4	73	<5	14		<0.1	10		12	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT022_5.0	13/6/20																																				
SRT-PT022_6.3	14/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.4	110	12	13		<0.1	<5		<5															
SRT-PT022_6.7	14/6/20						<0.5	<0.5	<0.5	<0.5	<0.5																										
SRT-PT022_16.3	14/6/20											19	<0.4	12	6.7	14		<0.1	<5		<5															
SRT-PT023_0.20	21/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.4	72	<5	24		<0.1	<5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT023_1.5	21/6/20		<0.005		<0.005							5.4	<0.4	75	6.3	28		<0.1	14		22	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT023_1.7	21/6/20		<0.005		<0.005																																
SRT-PT023_3.5	21/6/20											5.4	<0.4	70	6.0	9.8		<0.1	12		<5															
SRT-PT024_2.0	13/6/20		<0.005		<0.005							5.0	<0.4	76	<5	11		<0.1	11		8.8	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT024_4.5	13/6/20											14	<0.4	90	6.5	12		<0.1	5.2		<5															
SRT-PT024_8.2	13/6/20						<0.5	<0.5	<0.5	<0.5	<0.5	4.8	<0.4	65	11	10		<0.1	5.7		<5															
SRT-PT024_11.2	13/6/20																																				
SRT-PT024_13.2	13/6/20											12	<0.4	52	19	23		<0.1	<5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT025_0.2	19/9/20											2.2	<0.4	11	7.9	13		<0.1	6.3		27															
SRT-PT025_1.0	27/9/20		<0.005		<0.005																																

		AS					MAH					Metals										Organochlorine Pesticides														
		DER List]	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)		Sum of PFAS (PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead		Mercury	Nickel		Zinc	Organochlorine pesticides tPAVic	Other organochlorine pesticides tPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II
		µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.05	0.005	0.01	0.005	0.01	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.01	0.1	5	0.01	5	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05
NSW 2014 General Solid Waste CT1 (No Leaching)											60	100	20			100		4	40																	
NSW 2014 General Solid Waste SCC1 (with leached)											108	500	100			1,500		50	1,050																	
NSW 2014 General Solid Waste TCLP1 (leached)																	5			2																
NSW 2014 Restricted Solid Waste CT2 (No Leaching)											240	400	80			400		16	160																	
NSW 2014 Restricted Solid Waste SCC2 (with leached)											432	2,000	400			6,000		200	4,200																	
NSW 2014 Restricted Solid Waste TCLP2 (leached)																	20			8																
Field ID	**Date**																																			
SRT-PT025_1.2	**27/9/20**						<0.5	<0.5	<0.5	<0.5	<0.5																									
SRT-PT025_2.5	**27/9/20**																																			
SRT-PT025_4.0	**27/9/20**																																			
SRT-PT025_5.0	**27/9/20**						<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.4	28	<5	9.7		<0.1	5.8		<5															
SRT-PT025_8.5	**27/9/20**											8.5	<0.4	67	5.9	13		<0.1	<5		<5															
SRT-PT025_9.4	**27/9/20**						<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.4	280	110	56		<0.1	11		44															
SRT-PT025_10.8	**27/9/20**											35	<0.4	32	6.9	36		<0.1	<5		<5															
SRT-PT025_11.7	**27/9/20**						<0.5	<0.5	<0.5	<0.5	<0.5	3.9	<0.4	18	85	22		<0.1	5.8		33															
SRT-PT025_12.1	**27/9/20**																																			
SRT-PT025_14.8	**27/9/20**		<0.005		<0.005																															
SRT-PT026_0.2	**19/9/20**											4.7	<0.4	49	11	470	0.04	<0.1	12		65	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT026_0.4	**27/9/20**																																			
SRT-PT026_0.9	**27/9/20**											8.0	<0.4	89	<5	14		0.1	17		16	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT026_0.15	**19/9/20**																																			
SRT-PT026_2.1	**27/9/20**																																			
SRT-PT026_2.5	**27/9/20**		<0.005		<0.005																															
SRT-PT026_3.5	**27/9/20**											6.5	<0.4	60	12	53		<0.1	17		68	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT026_4.4	**27/9/20**																																			
SRT-PT026_8.0	**27/9/20**											5.9	<0.4	54	5.2	12		0.2	8.5		5.2															
SRT-PT026_12.1	**27/9/20**		<0.005		<0.005							5.1	<0.4	37	12	30		<0.1	5.2		19															
SRT-PT027_0.25	**19/9/20**																																			
SRT-PT027_0.9	**20/9/20**						<0.5	<0.5	<0.5	<0.5	<0.5	5.6	<0.4	18	<5	22		<0.1	<5		<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT027_1.1	**20/9/20**		<0.005		<0.005																															
SRT-PT027_2.8	**20/9/20**											10.0	<0.4	73	<5	15		<0.1	10		18															
SRT-PT027_4.8	**20/9/20**											18	<0.4	61	<5	22		<0.1	<5		6.1															
SRT-PT027_13.5	**20/9/20**																																			
SRT-PT027_14.0	**20/9/20**						<0.5	<0.5	<0.5	<0.5	<0.5	9.2	<0.4	15	36	10		<0.1	<5		9.7															
SRT-PT028_0.25	**19/9/20**																																			
SRT-PT028_0.5	**19/9/20**																																			
SRT-PT028_2.7	**20/9/20**		<0.005		<0.005							7.0	<0.4	50	15	480	0.41	0.5	10		88	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SRT-PT028_2.9	**20/9/20**											14	<0.4	110	<5	20		0.1	17		8.1															
SRT-PT028_4.9	**20/9/20**						<0.5	<0.5	<0.5	<0.5	<0.5	14	<0.4	67	<5	22		<0.1	<5		<5															
SRT-PT028_5.5	**20/9/20**						<0.5	<0.5	<0.5	<0.5	<0.5																										
SRT-PT028_14.2	**20/9/20**											6.8	<0.4	28	10	32		<0.1	<5		35															
Statistics																																				
Number of Results		**1**	**23**	**1**	**23**	**1**	**23**	**23**	**23**	**23**	**23**	**92**	**92**	**93**	**92**	**92**	**5**	**92**	**92**	**3**	**92**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**	**28**
Number of Detects		**1**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**86**	**1**	**93**	**51**	**92**	**5**	**20**	**64**	**3**	**49**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**1.04**	**<0.005**	**0.99**	**<0.005**	**0.87**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<2**	**<0.4**	**5.8**	**<5**	**6.5**	**0.04**	**0.1**	**<5**	**0.07**	**<5**	**<0.2**	**<0.2**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.1**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**
Minimum Detect		**1.04**	**0.1075**	**0.99**	**0.1**	**0.87**	**ND**	**ND**	**ND**	**ND**	**ND**	**2.1**	**0.5**	**5.8**	**5.2**	**6.5**	**0.04**	**0.1**	**5.1**	**0.07**	**5.2**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**1.04**	**0.1075**	**0.99**	**0.1**	**0.87**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**35**	**0.5**	**280**	**110**	**770**	**0.5**	**0.5**	**160**	**0.2**	**750**	**<2**	**<2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Maximum Detect		**1.04**	**0.1075**	**0.99**	**0.1**	**0.87**	**ND**	**ND**	**ND**	**ND**	**ND**	**35**	**0.5**	**280**	**110**	**770**	**0.5**	**0.5**	**160**	**0.2**	**750**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *			**0.0071**		**0.0067**		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**8.1**	**0.2**	**59**	**11**	**48**	**0.3**	**0.084**	**12**	**0.13**	**30**	**0.16**	**0.16**	**0.041**	**0.041**	**0.041**	**0.041**	**0.041**	**0.082**	**0.041**	**0.041**	**0.041**	**0.041**	**0.041**	**0.041**	**0.041**
Median Concentration *		**1.04**	**0.0025**	**0.99**	**0.0025**	**0.87**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**7.15**	**0.2**	**58**	**5.8**	**17**	**0.41**	**0.05**	**8.3**	**0.11**	**5.35**	**0.1**	**0.1**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.05**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**
Standard Deviation *			**0.022**		**0.02**		**0**	**0**	**0**	**0**	**0**	**5.7**	**0.031**	**37**	**17**	**120**	**0.23**	**0.087**	**20**	**0.067**	**87**	**0.24**	**0.24**	**0.059**	**0.059**	**0.059**	**0.059**	**0.059**	**0.12**	**0.059**	**0.059**	**0.059**	**0.059**	**0.059**	**0.059**	**0.059**
95% UCL (Student's-t) *			**0.0149**		**0.014**		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**9.122**	**0.209**	**65.4**	**14.05**	**68.33**	**0.517**	**0.0987**	**15.93**	**0.239**	**44.89**	**0.24**	**0.24**	**0.0601**	**0.0601**	**0.0601**	**0.0601**	**0.0601**	**0.12**	**0.0601**	**0.0601**	**0.0601**	**0.0601**	**0.0601**	**0.0601**	**0.0601**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was

																								PAH											
		Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Acenaphthene		Acenaphthylene		Anthracene		Benz(a)anthracene		Benzo(a) pyrene		Benzo(b+j)fluoranthene		Benzo(g,h,i)perylene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-c,d)pyrene	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	µg/L	mg/kg	mg/L		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
EQL		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.1	0.5	1	0.5	1	0.5	1	0.5	1	1	0.5	0.5	0.001	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1
NSW 2014 General Solid Waste CT1 (No Leaching)																				0.8														
NSW 2014 General Solid Waste SCC1 (with leached)																				10														
NSW 2014 General Solid Waste TCLP1 (leached)																			40															
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																				3.2														
NSW 2014 Restricted Solid Waste SCC2 (with leached)																				23														
NSW 2014 Restricted Solid Waste TCLP2 (leached)																			160															
Field ID	**Date**																																	
SRT-PT002_0.5	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT002_0.5	**7/6/20**																																	
SRT-PT002_1.6	**7/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1																								
SRT-PT002_2.3	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT002_4.0	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT003_1.2	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT003_2.7	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT003_3.8	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT004_0.2	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT004_0.4	**20/6/20**																																	
SRT-PT004_2.0	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT004_5.0	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT004_8.7	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT004_13.2	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT004_14.4	**21/6/20**																																	
SRT-PT005_1.4	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT005_4.0	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT006_2.0	**14/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT006_2.4	**14/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1																								
SRT-PT006_2.8	**14/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT006_5.0	**14/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT006_8.0	**14/6/20**																																	
SRT-PT006_8.7	**14/6/20**																																	
SRT-PT006_9.0	**14/6/20**																																	
SRT-PT006_11.0	**14/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT006_12.0	**14/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT006_12.7	**14/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT007_1.5	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT007_2.8	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT007_3.7	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT008_0.25	**20/6/20**										<0.5		<0.5		<0.5		1.9		<1	1.4	2.0		1.1		1.2		1.4		0.5		2.5		<0.5		0.9	
SRT-PT008_2.4	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT008_2.7	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT008_4.5	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT009_0.6	**6/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		1.9		<1	1.5	1.1		0.6		1.5		1.4		<0.5		2.8		<0.5		0.6	
SRT-PT009_1.5	**6/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT009_9.8	**6/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT009_12.4	**6/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT010_0.2	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT010_0.3	**20/6/20**																																	
SRT-PT010_0.6	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT010_4.5	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT011_0.1	**6/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT011_0.8	**6/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT011_3.5	**6/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT011_12.0	**6/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT012_1.3	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT012_2.7	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT012_3.5	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT013_0.7	**7/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT013_0.25	**7/6/20**																																	
SRT-PT013_2.4	**7/6/20**																																	
SRT-PT013_3.8	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT013_12.4	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT013_13.6	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT013_14.4	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT014_0.2	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT014_4.5	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT014_6.0	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT015_0.15	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT015_0.35	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT015_2.2	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT015_4.2	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT016_1.6	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT016_2.7	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT016_3.2	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT016_3.5	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT016_4.1	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT017_1.0	**7/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<10	0.8	<1	6.4	<1	11	<1	63	<1	<1	49	35	<0.001	21	<1	43	<1	48	<1	6.6	<1	96	<1	2.9	<1	22	<1
SRT-PT017_2.4	**7/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1																								
SRT-PT017_3.0	**7/6/20**										1.1	1	0.7	<1	3.2	<1	7.0	<1	<1	6.0	5.2	<0.001	3.5	<1	5.4	<1	8.2	<1	1.4	<1	18	<1	1.2	<1	3.1	<1
SRT-PT017_3.3	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT017_4.5	**7/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT017_7.0	**8/6/20**										<0.5		<0.5		<0.5		1.4		<1	1.3	1.0		0.8		1.1		1.6		<0.5		3.1		<0.5		0.6	
SRT-PT017_11.0	**8/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT017_15.0	**8/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT018_0.5	**8/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT018_2.3	**8/6/20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<10																								
SRT-PT018_2.8	**8/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT018_8.5	**8/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT018_11.2	**8/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT018_12.2	**6/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT019_0.165	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT020_0.32	**20/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT020_1.0	**20/6/20**										<0.5		<0.5		0.5		<0.5		<1	<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT020_2.2	**20/6/20**																																	
SRT-PT020_4.1	**20/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT022_2.0	**13/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT022_2.6	**13/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT022_5.0	**13/6/20**																																	
SRT-PT022_6.3	**14/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT022_6.7	**14/6/20**																																	
SRT-PT022_16.3	**14/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT023_0.20	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT023_1.5	**21/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT023_1.7	**21/6/20**																																	
SRT-PT023_3.5	**21/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT024_2.0	**13/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT024_4.5	**13/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT024_8.2	**13/6/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT024_11.2	**13/6/20**																																	
SRT-PT024_13.2	**13/6/20**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT025_0.2	**19/9/20**										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT025_1.0	**27/9/20**																																	

											PAH																					
		Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Acenaphthene		Acenaphthylene		Anthracene		Benz[a]anthracene		Benzo(a) pyrene		Benzo(b+j)fluoranthene		Benzo(g,h,i)perylene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-c,d)pyrene	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	µg/L	mg/kg	mg/kg	mg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
EQL		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.1	0.5	1	0.5	1	0.5	1	0.5	1	1	0.5	0.5	0.001	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1
NSW 2014 General Solid Waste CT1 (No Leaching)																				0.8															
NSW 2014 General Solid Waste SCC1 (with leached)																				10															
NSW 2014 General Solid Waste TCLP1 (leached)																			40																
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																				3.2															
NSW 2014 Restricted Solid Waste SCC2 (with leached)																				23															
NSW 2014 Restricted Solid Waste TCLP2 (leached)																			160																
Field ID	**Date**																																		
SRT-PT025_1.2	27/9/20																																		
SRT-PT025_2.5	27/9/20																																		
SRT-PT025_4.0	27/9/20																																		
SRT-PT025_5.0	27/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT025_8.5	27/9/20																																		
SRT-PT025_9.4	27/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT025_10.8	27/9/20																																		
SRT-PT025_11.7	27/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT025_12.1	27/9/20																																		
SRT-PT025_14.8	27/9/20																																		
SRT-PT026_0.2	19/9/20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT026_0.4	27/9/20																																		
SRT-PT026_0.9	27/9/20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT026_0.15	19/9/20																																		
SRT-PT026_2.1	27/9/20																																		
SRT-PT026_2.5	27/9/20																																		
SRT-PT026_3.5	27/9/20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT026_4.4	27/9/20																																		
SRT-PT026_8.0	27/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT026_12.1	27/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT027_0.25	19/9/20																																		
SRT-PT027_0.9	20/9/20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT027_1.1	20/9/20																																		
SRT-PT027_2.8	20/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT027_4.8	20/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT027_13.5	20/9/20																																		
SRT-PT027_14.0	20/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT028_0.25	19/9/20																																		
SRT-PT028_0.5	19/9/20																																		
SRT-PT028_2.7	20/9/20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		0.5		<0.5		<0.5	
SRT-PT028_2.9	20/9/20																																		
SRT-PT028_4.9	20/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
SRT-PT028_5.5	20/9/20																																		
SRT-PT028_14.2	20/9/20										<0.5		<0.5		<0.5		<0.5			<0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
Statistics																																			
Number of Results		28	28	28	28	28	28	28	28	28	88	2	88	2	88	2	88	2	6	88	88	2	88	2	88	2	88	2	88	2	88	2	88	2	88	2
Number of Detects		0	0	0	0	0	0	0	0	0	2	1	2	0	3	0	5	0	0	5	6	0	6	0	5	0	5	0	3	0	6	0	2	0	5	0
Minimum Concentration		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.1	<0.5	1	<0.5	<1	0.5	<1	<0.5	<1	<1	<0.5	0.5	<0.001	0.5	<1	<0.5	<1	<0.5	<1	0.5	<1	0.5	<1	<0.5	<1	<0.5	<1
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	1	0.7	ND	0.5	ND	1.4	ND	ND	1.3	0.5	ND	0.5	ND	1.1	ND	1.4	ND	0.5	ND	0.5	ND	1.2	ND	0.6	ND
Maximum Concentration		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<10	1.1	1	6.4	<1	11	<1	63	<1	<1	49	35	<0.001	21	<1	43	<1	48	<1	6.6	<1	96	<1	2.9	<1	22	<1
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	1	6.4	ND	11	ND	63	ND	ND	49	35	ND	21	ND	43	ND	48	ND	6.6	ND	96	ND	2.9	ND	22	ND
Average Concentration *		0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.16	0.79	0.27	0.75	0.32	0.5	0.41	0.5	1.1	0.5	0.5	0.91	0.74	0.0005	0.55	0.5	0.83	0.5	0.92	0.5	0.34	0.5	1.6	0.5	0.29	0.5	0.54	0.5
Median Concentration *		0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.1	0.5	0.25	0.75	0.25	0.5	0.25	0.5	0.25	0.5	0.5	0.25	0.25	0.0005	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5
Standard Deviation *		0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.24	1.2	0.11	0.35	0.66	0	1.2	0	6.7	0	0	5.2	3.7	0	2.2	0	4.6	0	5.2	0	0.69	0	10	0	0.3	0	2.3	0
95% UCL (Student's-t) *		0.0601	0.0601	0.0601	0.0601	0.0601	0.0601	0.0601	0.24	1.174	0.285	2.328	0.441	0.5	0.618	0.5	2.281	0.5	0.5	1.835	1.404	0.0005	0.942	0.5	1.641	0.5	1.837	0.5	0.46	0.5	3.465	0.5	0.344	0.5	0.959	0.5

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was

		Naphthalene		Phenanthrene		Pyrene		Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	PAHs (Sum of total)	PCBs								Solvents				
													Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide
		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.5	1	0.5	1	0.5	1	0.5	0.5	0.5	0.5	1	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 General Solid Waste CT1 (No Leaching)											200									50	4,000				
NSW 2014 General Solid Waste SCC1 (with leached)											200									50	7,200				
NSW 2014 General Solid Waste TCLP1 (leached)																									
NSW 2014 Restricted Solid Waste CT2 (No Leaching)											800									50	16,000				
NSW 2014 Restricted Solid Waste SCC2 (with leached)											800									50	28,800				
NSW 2014 Restricted Solid Waste TCLP2 (leached)																									
Field ID	**Date**																								
SRT-PT002_0.5	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT002_0.5	**7/6/20**																								
SRT-PT002_1.6	**7/6/20**												<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT002_2.3	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT002_4.0	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT003_1.2	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT003_2.7	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT003_3.8	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT004_0.2	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT004_0.4	**20/6/20**																								
SRT-PT004_2.0	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT004_5.0	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT004_8.7	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT004_13.2	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_14.4	**21/6/20**																								
SRT-PT005_1.4	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT005_4.0	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT006_2.0	**14/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT006_2.4	**14/6/20**												<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT006_2.8	**14/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT006_5.0	**14/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT006_8.0	**14/6/20**																								
SRT-PT006_8.7	**14/6/20**																					<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_9.0	**14/6/20**																					<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_11.0	**14/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT006_12.0	**14/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT006_12.7	**14/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT007_1.5	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT007_2.8	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT007_3.7	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT008_0.25	**20/6/20**	<0.5		1.2		2.6		2.5	2.5	2.5	16.7														
SRT-PT008_2.4	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT008_2.7	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT008_4.5	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT009_0.6	**6/6/20**	<0.5		0.9		2.9		2.3	2.5	2.0	15.2		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT009_1.5	**6/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT009_9.8	**6/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT009_12.4	**6/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT010_0.2	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT010_0.3	**20/6/20**																								
SRT-PT010_0.6	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT010_4.5	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT011_0.1	**6/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT011_0.8	**6/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT011_3.5	**6/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT011_12.0	**6/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT012_1.3	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT012_2.7	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT012_3.5	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT013_0.7	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT013_0.25	**7/6/20**																								
SRT-PT013_2.4	**7/6/20**																				<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_3.8	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_12.4	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_13.6	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_14.4	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT014_0.2	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT014_4.5	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT014_6.0	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT015_0.15	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT015_0.35	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT015_2.2	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT015_4.2	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT016_1.6	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT016_2.7	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT016_3.2	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_3.5	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT016_4.1	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT017_1.0	**7/6/20**	<0.5	<1	50	<1	99	<1	73	73	73	554.8	<1	<5	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_2.4	**7/6/20**												<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT017_3.0	**7/6/20**	<0.5	1	12	2	17	<1	9.6	9.6	9.6	93	4													
SRT-PT017_3.3	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT017_4.5	**7/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT017_7.0	**8/6/20**	<0.5		1.6		3.1		2.0	2.2	1.7	15.6										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_11.0	**8/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT017_15.0	**8/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT018_0.5	**8/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT018_2.3	**8/6/20**												<5	<1	<5	<5	<5	<5	<5	<5					
SRT-PT018_2.8	**8/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_8.5	**8/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT018_11.2	**8/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_12.2	**6/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT019_0.165	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT020_0.32	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT020_1.0	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	0.5														
SRT-PT020_2.2	**20/6/20**																								
SRT-PT020_4.1	**20/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT022_2.0	**13/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT022_2.6	**13/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT022_5.0	**13/6/20**																								
SRT-PT022_6.3	**14/6/20**	<0.5		<0.5		<0.5					<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_6.7	**14/6/20**							0.6	1.2	<0.5											<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_16.3	**14/6/20**	<0.5		<0.5		<0.5					<0.5														
SRT-PT023_0.20	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5
SRT-PT023_1.5	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT023_1.7	**21/6/20**																								
SRT-PT023_3.5	**21/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT024_2.0	**13/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT024_4.5	**13/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT024_8.2	**13/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT024_11.2	**13/6/20**																								
SRT-PT024_13.2	**13/6/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT025_0.2	**19/9/20**	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT025_1.0	**27/9/20**																								

													PCBs								Solvents				
		Naphthalene		Phenanthrene		Pyrene		Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (zero)	PAHs (Sum of total)		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide
		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.5	1	0.5	1	0.5	1	0.5	0.5	0.5	0.5	1	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 General Solid Waste CT1 (No Leaching)											200									50	4,000				
NSW 2014 General Solid Waste SCC1 (with leached)											200									50	7,200				
NSW 2014 General Solid Waste TCLP1 (leached)																									
NSW 2014 Restricted Solid Waste CT2 (No Leaching)											800									50	16,000				
NSW 2014 Restricted Solid Waste SCC2 (with leached)											800									50	28,800				
NSW 2014 Restricted Solid Waste TCLP2 (leached)																									
Field ID	**Date**																								
SRT-PT025_1.2	27/9/20																				<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_2.5	27/9/20																								
SRT-PT025_4.0	27/9/20																								
SRT-PT025_5.0	27/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_8.5	27/9/20	<0.5																							
SRT-PT025_9.4	27/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_10.8	27/9/20	<0.5																							
SRT-PT025_11.7	27/9/20	<0.5		<0.5		<0.5					<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_12.1	27/9/20	<0.5						0.6	1.2	<0.5															
SRT-PT025_14.8	27/9/20																								
SRT-PT026_0.2	19/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT026_0.4	27/9/20																								
SRT-PT026_0.9	27/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT026_0.15	19/9/20																								
SRT-PT026_2.1	27/9/20																								
SRT-PT026_2.5	27/9/20	<0.5																							
SRT-PT026_3.5	27/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT026_4.4	27/9/20	<0.5																							
SRT-PT026_8.0	27/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT026_12.1	27/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT027_0.25	19/9/20																								
SRT-PT027_0.9	20/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT027_1.1	20/9/20																								
SRT-PT027_2.8	20/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT027_4.8	20/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
SRT-PT027_13.5	20/9/20																								
SRT-PT027_14.0	20/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_0.25	19/9/20																								
SRT-PT028_0.5	19/9/20																								
SRT-PT028_2.7	20/9/20	<0.5		<0.5		0.5		0.6	1.2	<0.5	1		<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT028_2.9	20/9/20																								
SRT-PT028_4.9	20/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_5.5	20/9/20																				<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_14.2	20/9/20	<0.5		<0.5		<0.5		0.6	1.2	<0.5	<0.5														
Statistics																									
Number of Results		95	2	88	2	88	2	100	100	100	88	2	28	28	28	28	28	28	28	28	23	23	23	23	23
Number of Detects		2	1	5	1	6	0	100	100	5	9	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Minimum Concentration		<0.5	1	<0.5	<1	0.5	<1	0.6	1.2	<0.5	0.5	<1	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Minimum Detect		0.9	1	0.9	2	0.5	ND	0.6	1.2	1.7	0.5	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND
Maximum Concentration		1.1	1	50	2	99	<1	73	73	73	554.8	4	<5	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	1.2	<0.5	<0.5
Maximum Detect		1.1	1	50	2	99	ND	73	73	73	554.8	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND
Average Concentration *		0.27	0.75	0.98	1.2	1.7	0.5	1.5	2	1.1	8.2	2.2	0.41	0.082	0.41	0.41	0.41	0.41	0.41	0.41	0.25	0.25	0.29	0.25	0.25
Median Concentration *		0.25	0.75	0.25	1.25	0.25	0.5	0.6	1.2	0.25	0.25	2.25	0.25	0.05	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Standard Deviation *		0.055	0.35	5.4	1.1	11	0	7.3	7.2	7.3	60	2.5	0.59	0.12	0.59	0.59	0.59	0.59	0.59	0.59	0	0	0.2	0	0
95% UCL (Student's-t) *		0.284	2.328	1.945	5.985	3.543	0.5	2.674	3.237	2.342	18.76	13.3	0.601	0.12	0.601	0.601	0.601	0.601	0.601	0.601	0.25	0.25	0.362	0.25	0.25

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 General Solid Waste
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was
NSW EPA, November 2014, NSW 2014 Restricted Solid Was

			Particle Size	BTEX												TRH							TRH - (Silica Gel Cleanup)					
			% Clay*	Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total	Xylene Total	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)
			%	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	0.1	20	0.1	20	0.1	20	0.2	20	0.1	20	0.3	60	20	20	50	50	100	100	100	50	100	100	50	100	100
NSW 2014 Excavated Natural Material (Absolute Max)				0.5		65		25						15														
NSW 2014 Excavated Natural Material (Max Average)																												
Field ID	**Date**	**Matrix Type**																										
SRT-PT002_2.3	**7/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT002_4.0	**7/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT003_2.7	**21/6/20**	**Natural**	35	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT003_3.8	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT004_2.0	**20/6/20**	**Natural**	39	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT004_5.0	**20/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT004_8.7	**20/6/20**	**Natural**	38	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT004_13.2	**21/6/20**	**Natural**	34	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT004_14.4	**21/6/20**	**Natural**	30																									
SRT-PT005_1.4	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT005_4.0	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT006_2.4	**13/6/20**	**Natural**																										
SRT-PT006_2.8	**14/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140						
SRT-PT006_5.0	**14/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT006_8.0	**14/6/20**	**Natural**	14																									
SRT-PT006_8.7	**13/6/20**	**Natural**																										
SRT-PT006_8.7	**14/6/20**	**Natural**		<0.1		0.2		<0.1		0.2		<0.1		<0.3														
SRT-PT006_9.0	**14/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3														
SRT-PT006_11.0	**13/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT006_12.0	**14/6/20**	**Natural**		0.3	<20	7.8	300	1.8	60	9.7	280	3.5	130	13	410	58	35	63	63	250	<100	313	<50	110	<100	<50	120	120
SRT-PT006_12.7	**14/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT007_1.5	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT007_2.8	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT007_3.7	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT008_2.7	**20/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT008_4.5	**20/6/20**	**Natural**	33	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT009_1.5	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT009_9.8	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT009_12.4	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	69	69	380	<100	449	<50	<100	<100	<50	<100	<100
SRT-PT010_4.5	**20/6/20**	**Natural**	30	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT011_3.5	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT011_12.0	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<50	<100	<100
SRT-PT012_2.7	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT012_3.5	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT013_2.4	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3									140	740	160	62	922	580
SRT-PT013_3.8	**7/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	120	<100	120						
SRT-PT013_12.4	**7/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	330	<100	330						
SRT-PT013_13.6	**7/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	140	140						
SRT-PT013_14.4	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<500	<500	<1,000	<1,000	<1,000						
SRT-PT014_4.5	**20/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT014_6.0	**20/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT015_2.2	**20/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT015_4.2	**20/6/20**	**Natural**	39	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT016_1.6	**20/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT016_2.7	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT016_3.2	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		120	120	<50	<50	<100	<100	<100						
SRT-PT016_3.5	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		160	160	120	119.1	<100	<100	120						
SRT-PT016_4.1	**21/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT017_4.5	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT017_7.0	**8/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	140	<100	140						
SRT-PT017_11.0	**8/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	51	51	<100	<100	<100						
SRT-PT017_15.0	**8/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT018_2.3	**8/6/20**	**Natural**																										
SRT-PT018_2.8	**8/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT018_8.5	**8/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	71	71	<100	<100	<100						
SRT-PT018_11.2	**8/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT018_12.2	**6/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT020_2.2	**20/6/20**	**Natural**																										
SRT-PT020_4.1	**20/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT022_2.6	**13/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT022_5.0	**13/6/20**	**Natural**	37																									
SRT-PT022_6.3	**14/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT022_6.7	**14/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3														
SRT-PT022_16.3	**14/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT023_1.5	**21/6/20**	**Natural**	17	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT023_1.7	**21/6/20**	**Natural**																										
SRT-PT023_3.5	**21/6/20**	**Natural**	37	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT024_4.5	**13/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT024_8.2	**13/6/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT024_11.2	**13/6/20**	**Natural**																										
SRT-PT024_13.2	**13/6/20**	**Natural**	41	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT025_4.0	**27/9/20**	**Natural**	39																									
SRT-PT025_5.0	**27/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT025_8.5	**27/9/20**	**Natural**														<20	<20	<50	<50	<100	<100	<100						
SRT-PT025_9.4	**27/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	600	120	720						
SRT-PT025_10.8	**27/9/20**	**Natural**														<20	<20	<50	<50	<100	<100	<100						
SRT-PT025_11.7	**27/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	450	160	610						
SRT-PT025_12.1	**27/9/20**	**Natural**														<20	<20	<50	<50	<100	<100	<100						
SRT-PT025_14.8	**27/9/20**	**Natural**																										
SRT-PT026_3.5	**27/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	550	300	850						
SRT-PT026_4.4	**27/9/20**	**Natural**														<20	<20	<50	<50	<100	<100	<100						
SRT-PT026_8.0	**27/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	180	180	360						
SRT-PT026_12.1	**27/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	130	120	250						
SRT-PT027_2.8	**20/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT027_4.8	**20/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT027_13.5	**20/9/20**	**Natural**	22																									
SRT-PT027_14.0	**20/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT028_2.9	**20/9/20**	**Natural**																										

			Particle Size	BTEX												TRH							TRH - (Silica Gel Cleanup)					
			% Clay*	Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total	Xylene Total	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)
			%	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	0.1	20	0.1	20	0.1	20	0.2	20	0.1	20	0.3	60	20	20	50	50	100	100	100	50	100	100	50	100	100
NSW 2014 Excavated Natural Material (Absolute Max)				0.5		65		25						15														
NSW 2014 Excavated Natural Material (Max Average)																												
Field ID	**Date**	**Matrix Type**																										
SRT-PT028_4.9	**20/9/20**	**Natural**	32	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
SRT-PT028_5.5	**20/9/20**	**Natural**		<0.1		<0.1		<0.1		<0.2		<0.1		<0.3														
SRT-PT028_14.2	**20/9/20**	**Natural**	35	<0.1		<0.1		<0.1		<0.2		<0.1		<0.3		<20	<20	<50	<50	<100	<100	<100						
Statistics																												
Number of Results			**17**	**76**	**2**	**76**	**2**	**76**	**2**	**76**	**2**	**76**	**2**	**76**	**2**	**73**	**73**	**73**	**73**	**73**	**73**	**73**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects			**17**	**1**	**0**	**2**	**2**	**1**	**2**	**2**	**2**	**1**	**2**	**1**	**2**	**3**	**3**	**5**	**5**	**11**	**6**	**13**	**1**	**2**	**1**	**1**	**2**	**2**
Minimum Concentration			**14**	**<0.1**	**<20**	**<0.1**	**290**	**<0.1**	**60**	**0.2**	**280**	**<0.1**	**110**	**<0.3**	**390**	**<20**	**<20**	**<50**	**<50**	**<100**	**<100**	**<100**	**<50**	**<100**	**<100**	**<50**	**<100**	**<100**
Minimum Detect			**14**	**0.3**	**ND**	**0.2**	**290**	**1.8**	**60**	**0.2**	**280**	**3.5**	**110**	**13**	**390**	**58**	**35**	**51**	**51**	**120**	**120**	**120**	**140**	**110**	**160**	**62**	**120**	**120**
Maximum Concentration			**41**	**0.3**	**<20**	**7.8**	**300**	**1.8**	**60**	**9.7**	**280**	**3.5**	**130**	**13**	**410**	**160**	**160**	**<500**	**<500**	**<1,000**	**<1,000**	**<1,000**	**140**	**740**	**160**	**62**	**922**	**580**
Maximum Detect			**41**	**0.3**	**ND**	**7.8**	**300**	**1.8**	**60**	**9.7**	**280**	**3.5**	**130**	**13**	**410**	**160**	**160**	**120**	**119.1**	**600**	**300**	**850**	**140**	**740**	**160**	**62**	**922**	**580**
Average Concentration *			**32**	**0.053**	**10**	**0.15**	**295**	**0.073**	**60**	**0.23**	**280**	**0.095**	**120**	**0.32**	**400**	**14**	**14**	**31**	**31**	**93**	**66**	**109**	**54**	**238**	**78**	**34**	**286**	**200**
Median Concentration *			**35**	**0.05**	**10**	**0.05**	**295**	**0.05**	**60**	**0.1**	**280**	**0.05**	**120**	**0.15**	**400**	**10**	**10**	**25**	**25**	**50**	**50**	**50**	**25**	**80**	**50**	**25**	**85**	**85**
Standard Deviation *			**7.9**	**0.029**	**0**	**0.89**	**7.1**	**0.2**	**0**	**1.1**	**0**	**0.4**	**14**	**1.5**	**14**	**22**	**22**	**30**	**29**	**121**	**64**	**159**	**58**	**336**	**55**	**18**	**426**	**255**
95% UCL (Student's-t) *			**35.8**	**0.0588**	**10**	**0.324**	**326.6**	**0.111**	**60**	**0.438**	**280**	**0.171**	**183.1**	**0.601**	**463.1**	**18.56**	**18.15**	**37.25**	**37.23**	**117**	**78.47**	**140.5**	**121.4**	**633.1**	**142.2**	**56.02**	**786.3**	**500.6**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Absolute Max)

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Max Average)

			TPH						Chlorinated Hydrocarbons																		
			C29-C36 Fraction (SG)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Chlorinated hydrocarbons EPAVic	Other chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			100	20	20	50	50	50	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 Excavated Natural Material (Absolute Max)								500																			
NSW 2014 Excavated Natural Material (Max Average)								250																			
Field ID	**Date**	**Matrix Type**																									
SRT-PT002_2.3	**7/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT002_4.0	**7/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT003_2.7	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT003_3.8	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT004_2.0	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT004_5.0	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT004_8.7	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT004_13.2	**21/6/20**	**Natural**		<20	<20	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_14.4	**21/6/20**	**Natural**																									
SRT-PT005_1.4	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT005_4.0	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT006_2.4	**13/6/20**	**Natural**																									
SRT-PT006_2.8	**14/6/20**	**Natural**		<20	<20	140	<50	140																			
SRT-PT006_5.0	**14/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT006_8.0	**14/6/20**	**Natural**																									
SRT-PT006_8.7	**13/6/20**	**Natural**																									
SRT-PT006_8.7	**14/6/20**	**Natural**							<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_9.0	**14/6/20**	**Natural**							<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_11.0	**13/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT006_12.0	**14/6/20**	**Natural**	<100	44	61	250	<50	311																			
SRT-PT006_12.7	**14/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT007_1.5	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT007_2.8	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT007_3.7	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT008_2.7	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT008_4.5	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT009_1.5	**6/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT009_9.8	**6/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT009_12.4	**6/6/20**	**Natural**	<100	<20	53	380	52	485	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT010_4.5	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT011_3.5	**6/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT011_12.0	**6/6/20**	**Natural**	<100	<20	23	55	<50	78	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT012_2.7	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT012_3.5	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT013_2.4	**6/6/20**	**Natural**	280						<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_3.8	**7/6/20**	**Natural**		<20	<20	110	<50	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_12.4	**7/6/20**	**Natural**		<20	28	280	95	403	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_13.6	**7/6/20**	**Natural**		<20	28	77	<50	105	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_14.4	**6/6/20**	**Natural**		<20	<200	<500	<500	<500																			
SRT-PT014_4.5	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT014_6.0	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT015_2.2	**20/6/20**	**Natural**		<20	21	<50	<50	<50																			
SRT-PT015_4.2	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT016_1.6	**20/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT016_2.7	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT016_3.2	**21/6/20**	**Natural**		57	<20	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_3.5	**21/6/20**	**Natural**		81	170	<50	<50	170																			
SRT-PT016_4.1	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT017_4.5	**6/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT017_7.0	**8/6/20**	**Natural**		<20	<20	100	59	159	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_11.0	**8/6/20**	**Natural**		<20	54	60	<50	114																			
SRT-PT017_15.0	**8/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT018_2.3	**8/6/20**	**Natural**																									
SRT-PT018_2.8	**8/6/20**	**Natural**		<20	<20	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_8.5	**8/6/20**	**Natural**		<20	76	64	<50	140																			
SRT-PT018_11.2	**8/6/20**	**Natural**		<20	<20	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_12.2	**6/6/20**	**Natural**		<20	<20	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT020_2.2	**20/6/20**	**Natural**																									
SRT-PT020_4.1	**20/6/20**	**Natural**		<20	21	<50	<50	<50																			
SRT-PT022_2.6	**13/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT022_5.0	**13/6/20**	**Natural**																									
SRT-PT022_6.3	**14/6/20**	**Natural**		<20	31	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_6.7	**14/6/20**	**Natural**							<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_16.3	**14/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT023_1.5	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT023_1.7	**21/6/20**	**Natural**																									
SRT-PT023_3.5	**21/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT024_4.5	**13/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT024_8.2	**13/6/20**	**Natural**		<20	<20	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT024_11.2	**13/6/20**	**Natural**																									
SRT-PT024_13.2	**13/6/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT025_4.0	**27/9/20**	**Natural**																									
SRT-PT025_5.0	**27/9/20**	**Natural**		<20	<20	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_8.5	**27/9/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT025_9.4	**27/9/20**	**Natural**		<20	<20	680	120	800	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_10.8	**27/9/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT025_11.7	**27/9/20**	**Natural**		<20	40	420	130	590	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_12.1	**27/9/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT025_14.8	**27/9/20**	**Natural**																									
SRT-PT026_3.5	**27/9/20**	**Natural**		<20	<20	450	220	670																			
SRT-PT026_4.4	**27/9/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT026_8.0	**27/9/20**	**Natural**		<20	<20	100	130	230																			
SRT-PT026_12.1	**27/9/20**	**Natural**		<20	<20	77	82	159																			
SRT-PT027_2.8	**20/9/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT027_4.8	**20/9/20**	**Natural**		<20	<20	<50	<50	<50																			
SRT-PT027_13.5	**20/9/20**	**Natural**																									
SRT-PT027_14.0	**20/9/20**	**Natural**		<20	<20	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_2.9	**20/9/20**	**Natural**																									

			TPH						Chlorinated Hydrocarbons																		
			C29-C36 Fraction (SG)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Chlorinated hydrocarbons EPAVic	Other chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			100	20	20	50	50	50	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 Excavated Natural Material (Absolute Max)								500																			
NSW 2014 Excavated Natural Material (Max Average)								250																			
Field ID	**Date**	**Matrix Type**																									
SRT-PT028_4.9	**20/9/20**	**Natural**		<20	25	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_5.5	**20/9/20**	**Natural**							<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_14.2	**20/9/20**	**Natural**		<20	<20	<50	<50	<50																				
Statistics																												
Number of Results			**4**	**73**	**73**	**73**	**73**	**73**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**
Number of Detects			**1**	**3**	**13**	**15**	**8**	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration			**<100**	**<20**	**<20**	**<50**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Minimum Detect			**280**	**44**	**21**	**55**	**52**	**78**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration			**280**	**81**	**<200**	**680**	**<500**	**800**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Maximum Detect			**280**	**81**	**170**	**680**	**220**	**800**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *			**108**	**12**	**18**	**67**	**38**	**86**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Median Concentration *			**50**	**10**	**10**	**25**	**25**	**25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Standard Deviation *			**115**	**11**	**24**	**116**	**41**	**154**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *			**242.8**	**14.15**	**22.82**	**89.98**	**45.41**	**116.4**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Absolute Max)

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Max Average)

											Halogenated Benzenes							Halogenated Hydrocarbons					Perfluoro				
			cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	Perfluorobutanoic acid (PFBA)	Perfluorohexanoic acid (PFHxA)	Perfluoropentanoic acid (PFPeA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.5	0.5	0.5	0.5	0.5	0.005	0.005	0.005	0.005	0.005
NSW 2014 Excavated Natural Material (Absolute Max)																												
NSW 2014 Excavated Natural Material (Max Average)																												
Field ID	**Date**	**Matrix Type**																										
SRT-PT002_2.3	7/6/20	Natural																										
SRT-PT002_4.0	7/6/20	Natural																										
SRT-PT003_2.7	21/6/20	Natural																										
SRT-PT003_3.8	21/6/20	Natural																										
SRT-PT004_2.0	20/6/20	Natural																										
SRT-PT004_5.0	20/6/20	Natural																										
SRT-PT004_8.7	20/6/20	Natural																										
SRT-PT004_13.2	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT004_14.4	21/6/20	Natural																										
SRT-PT005_1.4	21/6/20	Natural																										
SRT-PT005_4.0	21/6/20	Natural																										
SRT-PT006_2.4	13/6/20	Natural																										
SRT-PT006_2.8	14/6/20	Natural																										
SRT-PT006_5.0	14/6/20	Natural																										
SRT-PT006_8.0	14/6/20	Natural																										
SRT-PT006_8.7	13/6/20	Natural																										
SRT-PT006_8.7	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT006_9.0	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT006_11.0	13/6/20	Natural																										
SRT-PT006_12.0	14/6/20	Natural																						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT006_12.7	14/6/20	Natural																										
SRT-PT007_1.5	21/6/20	Natural																<0.05										
SRT-PT007_2.8	21/6/20	Natural																										
SRT-PT007_3.7	21/6/20	Natural																						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT008_2.7	20/6/20	Natural																										
SRT-PT008_4.5	20/6/20	Natural																										
SRT-PT009_1.5	6/6/20	Natural																						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT009_9.8	6/6/20	Natural																										
SRT-PT009_12.4	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT010_4.5	20/6/20	Natural																										
SRT-PT011_3.5	6/6/20	Natural																<0.05										
SRT-PT011_12.0	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT012_2.7	21/6/20	Natural																										
SRT-PT012_3.5	21/6/20	Natural																										
SRT-PT013_2.4	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT013_3.8	7/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT013_12.4	7/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT013_13.6	7/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT013_14.4	6/6/20	Natural																										
SRT-PT014_4.5	20/6/20	Natural																<0.05										
SRT-PT014_6.0	20/6/20	Natural																										
SRT-PT015_2.2	20/6/20	Natural																										
SRT-PT015_4.2	20/6/20	Natural																<0.05										
SRT-PT016_1.6	20/6/20	Natural																<0.05										
SRT-PT016_2.7	21/6/20	Natural																										
SRT-PT016_3.2	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT016_3.5	21/6/20	Natural																										
SRT-PT016_4.1	21/6/20	Natural																										
SRT-PT017_4.5	6/6/20	Natural																										
SRT-PT017_7.0	8/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT017_11.0	8/6/20	Natural																										
SRT-PT017_15.0	8/6/20	Natural																										
SRT-PT018_2.3	8/6/20	Natural																<0.5						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT018_2.8	8/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT018_8.5	8/6/20	Natural																										
SRT-PT018_11.2	8/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT018_12.2	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT020_2.2	20/6/20	Natural																						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT020_4.1	20/6/20	Natural																										
SRT-PT022_2.6	13/6/20	Natural																<0.05										
SRT-PT022_5.0	13/6/20	Natural																										
SRT-PT022_6.3	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT022_6.7	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT022_16.3	14/6/20	Natural																										
SRT-PT023_1.5	21/6/20	Natural																<0.05						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT023_1.7	21/6/20	Natural																						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT023_3.5	21/6/20	Natural																										
SRT-PT024_4.5	13/6/20	Natural																										
SRT-PT024_8.2	13/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT024_11.2	13/6/20	Natural																										
SRT-PT024_13.2	13/6/20	Natural																<0.05										
SRT-PT025_4.0	27/9/20	Natural																										
SRT-PT025_5.0	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT025_8.5	27/9/20	Natural																										
SRT-PT025_9.4	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT025_10.8	27/9/20	Natural																										
SRT-PT025_11.7	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT025_12.1	27/9/20	Natural																										
SRT-PT025_14.8	27/9/20	Natural																						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT026_3.5	27/9/20	Natural																<0.05										
SRT-PT026_4.4	27/9/20	Natural																										
SRT-PT026_8.0	27/9/20	Natural																										
SRT-PT026_12.1	27/9/20	Natural																						<0.005	<0.005	<0.005	<0.005	<0.005
SRT-PT027_2.8	20/9/20	Natural																										
SRT-PT027_4.8	20/9/20	Natural																										
SRT-PT027_13.5	20/9/20	Natural																										
SRT-PT027_14.0	20/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT028_2.9	20/9/20	Natural																										

											Halogenated Benzenes							Halogenated Hydrocarbons					Perfluoro				
			cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	Perfluorobutanoic acid (PFBA)	Perfluorohexanoic acid (PFHxA)	Perfluoropentanoic acid (PFPeA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.5	0.5	0.5	0.5	0.5	0.005	0.005	0.005	0.005	0.005
NSW 2014 Excavated Natural Material (Absolute Max)																												
NSW 2014 Excavated Natural Material (Max Average)																												
Field ID	**Date**	**Matrix Type**																										
SRT-PT028_4.9	**20/9/20**	**Natural**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT028_5.5	**20/9/20**	**Natural**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT028_14.2	**20/9/20**	**Natural**																										
Statistics																												
Number of Results			**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**23**	**12**	**23**	**23**	**23**	**23**	**23**	**14**	**14**	**14**	**14**	**14**
Number of Detects			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration			**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.05**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**
Minimum Detect			**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration			**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**
Maximum Detect			**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *			**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.044**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**
Median Concentration *			**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.025**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**
Standard Deviation *			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.065**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *			**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.0774**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Absolute Max)

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Max Average)

			alkane Carboxylic Acids						(n:2) Fluorotelomer Sulfonic Acids				Perfluoroalkane Sulfonic Acids							Perfluoroalkyl Sulfonamides							PFOS/PFOA	
			Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluorononanesulfonic acid (PFNS)(trace)	Sum of PFHxS and PFOS
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.01	0.005	0.005	0.005
NSW 2014 Excavated Natural Material (Absolute Max)																												
NSW 2014 Excavated Natural Material (Max Average)																												
Field ID	**Date**	**Matrix Type**																										
SRT-PT002_2.3	7/6/20	Natural																										
SRT-PT002_4.0	7/6/20	Natural																										
SRT-PT003_2.7	21/6/20	Natural																										
SRT-PT003_3.8	21/6/20	Natural																										
SRT-PT004_2.0	20/6/20	Natural																										
SRT-PT004_5.0	20/6/20	Natural																										
SRT-PT004_8.7	20/6/20	Natural																										
SRT-PT004_13.2	21/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT004_14.4	21/6/20	Natural																										
SRT-PT005_1.4	21/6/20	Natural																										
SRT-PT005_4.0	21/6/20	Natural																										
SRT-PT006_2.4	13/6/20	Natural																										
SRT-PT006_2.8	14/6/20	Natural																										
SRT-PT006_5.0	14/6/20	Natural																										
SRT-PT006_8.0	14/6/20	Natural																										
SRT-PT006_8.7	13/6/20	Natural																										
SRT-PT006_8.7	14/6/20	Natural																										
SRT-PT006_9.0	14/6/20	Natural																										
SRT-PT006_11.0	13/6/20	Natural																										
SRT-PT006_12.0	14/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT006_12.7	14/6/20	Natural																										
SRT-PT007_1.5	21/6/20	Natural																										
SRT-PT007_2.8	21/6/20	Natural																										
SRT-PT007_3.7	21/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT008_2.7	20/6/20	Natural																										
SRT-PT008_4.5	20/6/20	Natural																										
SRT-PT009_1.5	6/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT009_9.8	6/6/20	Natural																										
SRT-PT009_12.4	6/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT010_4.5	20/6/20	Natural																										
SRT-PT011_3.5	6/6/20	Natural																										
SRT-PT011_12.0	6/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT012_2.7	21/6/20	Natural																										
SRT-PT012_3.5	21/6/20	Natural																										
SRT-PT013_2.4	6/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT013_3.8	7/6/20	Natural																										
SRT-PT013_12.4	7/6/20	Natural																										
SRT-PT013_13.6	7/6/20	Natural																										
SRT-PT013_14.4	6/6/20	Natural																										
SRT-PT014_4.5	20/6/20	Natural																										
SRT-PT014_6.0	20/6/20	Natural																										
SRT-PT015_2.2	20/6/20	Natural																										
SRT-PT015_4.2	20/6/20	Natural																										
SRT-PT016_1.6	20/6/20	Natural																										
SRT-PT016_2.7	21/6/20	Natural																										
SRT-PT016_3.2	21/6/20	Natural																										
SRT-PT016_3.5	21/6/20	Natural																										
SRT-PT016_4.1	21/6/20	Natural																										
SRT-PT017_4.5	6/6/20	Natural																										
SRT-PT017_7.0	8/6/20	Natural																										
SRT-PT017_11.0	8/6/20	Natural																										
SRT-PT017_15.0	8/6/20	Natural																										
SRT-PT018_2.3	8/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT018_2.8	8/6/20	Natural																										
SRT-PT018_8.5	8/6/20	Natural																										
SRT-PT018_11.2	8/6/20	Natural																										
SRT-PT018_12.2	6/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT020_2.2	20/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT020_4.1	20/6/20	Natural																										
SRT-PT022_2.6	13/6/20	Natural																										
SRT-PT022_5.0	13/6/20	Natural																										
SRT-PT022_6.3	14/6/20	Natural																										
SRT-PT022_6.7	14/6/20	Natural																										
SRT-PT022_16.3	14/6/20	Natural																										
SRT-PT023_1.5	21/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT023_1.7	21/6/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT023_3.5	21/6/20	Natural																										
SRT-PT024_4.5	13/6/20	Natural																										
SRT-PT024_8.2	13/6/20	Natural																										
SRT-PT024_11.2	13/6/20	Natural																										
SRT-PT024_13.2	13/6/20	Natural																										
SRT-PT025_4.0	27/9/20	Natural																										
SRT-PT025_5.0	27/9/20	Natural																										
SRT-PT025_8.5	27/9/20	Natural																										
SRT-PT025_9.4	27/9/20	Natural																										
SRT-PT025_10.8	27/9/20	Natural																										
SRT-PT025_11.7	27/9/20	Natural																										
SRT-PT025_12.1	27/9/20	Natural																										
SRT-PT025_14.8	27/9/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT026_3.5	27/9/20	Natural																										
SRT-PT026_4.4	27/9/20	Natural																										
SRT-PT026_8.0	27/9/20	Natural																										
SRT-PT026_12.1	27/9/20	Natural	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
SRT-PT027_2.8	20/9/20	Natural																										
SRT-PT027_4.8	20/9/20	Natural																										
SRT-PT027_13.5	20/9/20	Natural																										
SRT-PT027_14.0	20/9/20	Natural																										
SRT-PT028_2.9	20/9/20	Natural																										

	Alkane Carboxylic Acids						(n:2) Fluorotelomer Sulfonic Acids				Perfluoroalkane Sulfonic Acids							Perfluoroalkyl Sulfonamides							PFOS/PFOA	
	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluorononanesulfonic acid (PFNS)(trace)	Sum of PFHxS and PFOS
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.01	0.005	0.005	0.005
NSW 2014 Excavated Natural Material (Absolute Max)																										
NSW 2014 Excavated Natural Material (Max Average)																										
Field ID	**Date**	**Matrix Type**																								
SRT-PT028_4.9	20/9/20	Natural																								
SRT-PT028_5.5	20/9/20	Natural																								
SRT-PT028_14.2	20/9/20	Natural																								
Statistics																										
Number of Results	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration *	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.005	0.0025	0.0025	0.005	0.0025	0.0025	0.0025
Median Concentration *	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.005	0.0025	0.0025	0.005	0.0025	0.0025	0.0025
Standard Deviation *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.005	0.0025	0.0025	0.005	0.0025	0.0025	0.0025

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Absolute Max)

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Max Average)

			PFAS				MAH					Metals																
			Sum of PFAS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS+ PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.05	0.01	0.005	0.005	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.1	5	5	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05
NSW 2014 Excavated Natural Material (Absolute Max)												40	1	150	200	100	1	60	300									
NSW 2014 Excavated Natural Material (Max Average)												20	0.5	75	100	50	0.5	30	150									
Field ID	**Date**	**Matrix Type**																										
SRT-PT002_2.3	7/6/20	Natural										8.6	<0.4	98	<5	9.7	<0.1	10	<5									
SRT-PT002_4.0	7/6/20	Natural										10	<0.4	64	<5	13	<0.1	6.8	<5									
SRT-PT003_2.7	21/6/20	Natural										17	<0.4	98	<5	15	<0.1	<5	<5									
SRT-PT003_3.8	21/6/20	Natural										8.4	<0.4	69	<5	13	<0.1	<5	<5									
SRT-PT004_2.0	20/6/20	Natural										6.4	<0.4	73	<5	11	<0.1	11	5.6									
SRT-PT004_5.0	20/6/20	Natural										14	<0.4	110	11	28	<0.1	<5	<5									
SRT-PT004_8.7	20/6/20	Natural										<2	<0.4	5.8	<5	53	0.2	<5	<5									
SRT-PT004_13.2	21/6/20	Natural	<0.05	<0.01	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	10	<0.4	32	7.5	27	<0.1	<5	<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT004_14.4	21/6/20	Natural																										
SRT-PT005_1.4	21/6/20	Natural										8.9	<0.4	86	<5	9.2	<0.1	8.3	<5									
SRT-PT005_4.0	21/6/20	Natural										12	<0.4	58	<5	16	<0.1	<5	<5									
SRT-PT006_2.4	13/6/20	Natural										11	<0.4	96	<5	14	<0.1	14	<5									
SRT-PT006_2.8	14/6/20	Natural										16	<0.4	84	<5	13	<0.1	<5	<5									
SRT-PT006_5.0	14/6/20	Natural										9.8	<0.4	79	15	11	<0.1	<5	<5									
SRT-PT006_8.0	14/6/20	Natural																										
SRT-PT006_8.7	13/6/20	Natural																										
SRT-PT006_8.7	14/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5																	
SRT-PT006_9.0	14/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5																	
SRT-PT006_11.0	13/6/20	Natural										4.3	<0.4	16	5.9	26	<0.1	<5	<5									
SRT-PT006_12.0	14/6/20	Natural	<0.05	<0.01	<0.005	<0.005						11	<0.4	32	7.3	32	<0.1	<5	<5									
SRT-PT006_12.7	14/6/20	Natural										<2	<0.4	7.0	<5	40	<0.1	<5	<5									
SRT-PT007_1.5	21/6/20	Natural										8.2	<0.4	110	<5	16	<0.1	8.3	<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT007_2.8	21/6/20	Natural										3.4	<0.4	38	6.1	10	<0.1	8.3	<5									
SRT-PT007_3.7	21/6/20	Natural	<0.05	<0.01	<0.005	<0.005						18	<0.4	95	13	19	<0.1	<5	<5									
SRT-PT008_2.7	20/6/20	Natural										5.2	<0.4	75	<5	9.1	<0.1	11	<5									
SRT-PT008_4.5	20/6/20	Natural										7.7	<0.4	41	<5	10	<0.1	<5	<5									
SRT-PT009_1.5	6/6/20	Natural	<0.05	<0.01	<0.005	<0.005						9.6	<0.4	98	5.7	25	0.2	15	70									
SRT-PT009_9.8	6/6/20	Natural										21	<0.4	40	9.9	16	<0.1	<5	<5									
SRT-PT009_12.4	6/6/20	Natural	<0.05	<0.01	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	5.7	<0.4	46	6.0	15	<0.1	5.5	7.6									
SRT-PT010_4.5	20/6/20	Natural										5.1	<0.4	41	<5	9.4	0.1	5.2	11									
SRT-PT011_3.5	6/6/20	Natural										8.5	<0.4	58	<5	12	<0.1	15	15	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT011_12.0	6/6/20	Natural	<0.05	<0.01	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	8.3	<0.4	47	17	27	<0.1	5.3	5.5									
SRT-PT012_2.7	21/6/20	Natural										5.6	<0.4	65	<5	15	<0.1	15	<5									
SRT-PT012_3.5	21/6/20	Natural										8.0	<0.4	56	5.7	12	0.1	9.9	<5									
SRT-PT013_2.4	6/6/20	Natural	<0.05	<0.01	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5																	
SRT-PT013_3.8	7/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	8.8	<0.4	80	<5	15	<0.1	14	5.2									
SRT-PT013_12.4	7/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	8.9	<0.4	65	8.4	18	<0.1	5.5	6.7									
SRT-PT013_13.6	7/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	8.5	<0.4	41	14	18	<0.1	<5	<5									
SRT-PT013_14.4	6/6/20	Natural										10	<0.4	48	10	20	<0.1	<5	<5									
SRT-PT014_4.5	20/6/20	Natural										7.3	<0.4	67	9.9	18	0.2	8.0	13	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT014_6.0	20/6/20	Natural										18	<0.4	87	11	18	0.2	5.3	<5									
SRT-PT015_2.2	20/6/20	Natural										4.3	<0.4	62	<5	8.7	<0.1	18	<5									
SRT-PT015_4.2	20/6/20	Natural										<2	<0.4	28	12	7.1	0.1	10	<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT016_1.6	20/6/20	Natural										11	<0.4	75	<5	27	0.2	15	28	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT016_2.7	21/6/20	Natural										12	<0.4	80	<5	21	<0.1	9.1	12									
SRT-PT016_3.2	21/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.4	74	<5	17	<0.1	7.5	<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT016_3.5	21/6/20	Natural										7.2	<0.4	75	<5	16	<0.1	6.4	<5									
SRT-PT016_4.1	21/6/20	Natural										9.5	<0.4	77	<5	16	<0.1	6.1	<5									
SRT-PT017_4.5	6/6/20	Natural										8.9	<0.4	61	<5	18	<0.1	11	11									
SRT-PT017_7.0	8/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	9.7	<0.4	87	5.9	85	0.1	14	46									
SRT-PT017_11.0	8/6/20	Natural										2.3	<0.4	14	9.7	8.0	<0.1	<5	<5									
SRT-PT017_15.0	8/6/20	Natural										28	<0.4	56	45	33	<0.1	5.1	<5									
SRT-PT018_2.3	8/6/20	Natural	<0.05	<0.01	<0.005	<0.005														<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
SRT-PT018_2.8	8/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	3.6	<0.4	44	<5	10	<0.1	18	18									
SRT-PT018_8.5	8/6/20	Natural										<2	<0.4	26	6.5	14	<0.1	<5	<5									
SRT-PT018_11.2	8/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	8.5	<0.4	35	9.8	22	<0.1	<5	<5									
SRT-PT018_12.2	6/6/20	Natural	<0.05	<0.01	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.4	22	5.6	12	<0.1	<5	<5									
SRT-PT020_2.2	20/6/20	Natural	<0.05	<0.01	<0.005	<0.005																						
SRT-PT020_4.1	20/6/20	Natural										4.1	<0.4	52	6.6	7.7	<0.1	9.3	<5									
SRT-PT022_2.6	13/6/20	Natural										5.8	<0.4	73	<5	14	<0.1	10	12	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT022_5.0	13/6/20	Natural																										
SRT-PT022_6.3	14/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.4	110	12	13	<0.1	<5	<5									
SRT-PT022_6.7	14/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5																	
SRT-PT022_16.3	14/6/20	Natural										19	<0.4	12	6.7	14	<0.1	<5	<5									
SRT-PT023_1.5	21/6/20	Natural	<0.05	<0.01	<0.005	<0.005						5.4	<0.4	75	6.3	28	<0.1	14	22	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT023_1.7	21/6/20	Natural	<0.05	<0.01	<0.005	<0.005																						
SRT-PT023_3.5	21/6/20	Natural										5.4	<0.4	70	6.0	9.8	<0.1	12	<5									
SRT-PT024_4.5	13/6/20	Natural										14	<0.4	90	6.5	12	<0.1	5.2	<5									
SRT-PT024_8.2	13/6/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	4.8	<0.4	65	11	10	<0.1	5.7	<5									
SRT-PT024_11.2	13/6/20	Natural																										
SRT-PT024_13.2	13/6/20	Natural										12	<0.4	52	19	23	<0.1	<5	<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT025_4.0	27/9/20	Natural																										
SRT-PT025_5.0	27/9/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.4	28	<5	9.7	<0.1	5.8	<5									
SRT-PT025_8.5	27/9/20	Natural										8.5	<0.4	67	5.9	13	<0.1	<5	<5									
SRT-PT025_9.4	27/9/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.4	280	110	56	<0.1	11	44									
SRT-PT025_10.8	27/9/20	Natural										35	<0.4	32	6.9	36	<0.1	<5	<5									
SRT-PT025_11.7	27/9/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	3.9	<0.4	18	85	22	<0.1	5.8	33									
SRT-PT025_12.1	27/9/20	Natural																										
SRT-PT025_14.8	27/9/20	Natural	<0.05	<0.01	<0.005	<0.005																						
SRT-PT026_3.5	27/9/20	Natural										6.5	<0.4	60	12	53	<0.1	17	68	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
SRT-PT026_4.4	27/9/20	Natural																										
SRT-PT026_8.0	27/9/20	Natural										5.9	<0.4	54	5.2	12	0.2	8.5	5.2									
SRT-PT026_12.1	27/9/20	Natural	<0.05	<0.01	<0.005	<0.005						5.1	<0.4	37	12	30	<0.1	5.2	19									
SRT-PT027_2.8	20/9/20	Natural										10.0	<0.4	73	<5	15	<0.1	10	18									
SRT-PT027_4.8	20/9/20	Natural										18	<0.4	61	<5	22	<0.1	<5	6.1									
SRT-PT027_13.5	20/9/20	Natural																										
SRT-PT027_14.0	20/9/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	9.2	<0.4	15	36	10	<0.1	<5	9.7									
SRT-PT028_2.9	20/9/20	Natural										14	<0.4	110	<5	20	0.1	17	8.1									

			PFAS				MAH					Metals																		
			Sum of PFAS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS+ PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.05	0.01	0.005	0.005	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.1	5	5	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05
NSW 2014 Excavated Natural Material (Absolute Max)												40	1	150	200	100	1	60	300										
NSW 2014 Excavated Natural Material (Max Average)												20	0.5	75	100	50	0.5	30	150										
Field ID	**Date**	**Matrix Type**																												
SRT-PT028_4.9	20/9/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5	14	<0.4	67	<5	22	<0.1	<5	<5										
SRT-PT028_5.5	20/9/20	Natural					<0.5	<0.5	<0.5	<0.5	<0.5																		
SRT-PT028_14.2	20/9/20	Natural										6.8	<0.4	28	10	32	<0.1	<5	35										
Statistics																														
Number of Results			14	14	14	14	23	23	23	23	23	73	73	74	73	73	73	73	73	12	12	12	12	12	12	12	12	12	12
Number of Detects			0	0	0	0	0	0	0	0	0	68	0	74	41	73	11	44	26	0	0	0	0	0	0	0	0	0	0
Minimum Concentration			<0.05	<0.01	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.4	5.8	<5	7.1	0.1	<5	<5	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
Minimum Detect			ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	5.8	5.2	7.1	0.1	5.1	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration			<0.05	<0.01	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	35	<0.4	280	110	85	0.2	18	70	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5
Maximum Detect			ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	280	110	85	0.2	18	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration *			0.025	0.005	0.0025	0.0025	0.25	0.25	0.25	0.25	0.25	9.2	0.2	62	9.5	20	0.066	7	8.9	0.18	0.18	0.044	0.044	0.044	0.044	0.044	0.088	0.044
Median Concentration *			0.025	0.005	0.0025	0.0025	0.25	0.25	0.25	0.25	0.25	8.5	0.2	61.5	5.9	16	0.05	5.5	2.5	0.1	0.1	0.025	0.025	0.025	0.025	0.025	0.05	0.025
Standard Deviation *			0	0	0	0	0	0	0	0	0	6	0	37	17	13	0.042	4.8	14	0.26	0.26	0.065	0.065	0.065	0.065	0.065	0.13	0.065
95% UCL (Student's-t) *			0.025	0.005	0.0025	0.0025	0.25	0.25	0.25	0.25	0.25	10.42	0.2	68.92	12.75	22.15	0.074	7.932	11.65	0.31	0.31	0.0774	0.0774	0.0774	0.0774	0.0774	0.155	0.0774

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Absolute Max)

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Max Average)

			Organochlorine Pesticides														PAH										
			DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 Excavated Natural Material (Absolute Max)																						1						
NSW 2014 Excavated Natural Material (Max Average)																						0.5						
Field ID	**Date**	**Matrix Type**																										
SRT-PT002_2.3	**7/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT002_4.0	**7/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT003_2.7	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT003_3.8	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_2.0	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_5.0	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_8.7	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_13.2	**21/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_14.4	**21/6/20**	**Natural**																										
SRT-PT005_1.4	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT005_4.0	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_2.4	**13/6/20**	**Natural**																										
SRT-PT006_2.8	**14/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_5.0	**14/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_8.0	**14/6/20**	**Natural**																										
SRT-PT006_8.7	**13/6/20**	**Natural**																										
SRT-PT006_8.7	**14/6/20**	**Natural**																										
SRT-PT006_9.0	**14/6/20**	**Natural**																										
SRT-PT006_11.0	**13/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_12.0	**14/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_12.7	**14/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT007_1.5	**21/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT007_2.8	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT007_3.7	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT008_2.7	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT008_4.5	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT009_1.5	**6/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT009_9.8	**6/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT009_12.4	**6/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT010_4.5	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT011_3.5	**6/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT011_12.0	**6/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT012_2.7	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT012_3.5	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_2.4	**6/6/20**	**Natural**																										
SRT-PT013_3.8	**7/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_12.4	**7/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_13.6	**7/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_14.4	**6/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT014_4.5	**20/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT014_6.0	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT015_2.2	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT015_4.2	**20/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_1.6	**20/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_2.7	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_3.2	**21/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_3.5	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_4.1	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_4.5	**6/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_7.0	**8/6/20**	**Natural**																<0.5	<0.5	<0.5	1.4	1.3	1.0	0.8	1.1	1.6	<0.5	3.1
SRT-PT017_11.0	**8/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_15.0	**8/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_2.3	**8/6/20**	**Natural**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<10											
SRT-PT018_2.8	**8/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_8.5	**8/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_11.2	**8/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_12.2	**6/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT020_2.2	**20/6/20**	**Natural**																										
SRT-PT020_4.1	**20/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_2.6	**13/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_5.0	**13/6/20**	**Natural**																										
SRT-PT022_6.3	**14/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_6.7	**14/6/20**	**Natural**																										
SRT-PT022_16.3	**14/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT023_1.5	**21/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT023_1.7	**21/6/20**	**Natural**																										
SRT-PT023_3.5	**21/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT024_4.5	**13/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT024_8.2	**13/6/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT024_11.2	**13/6/20**	**Natural**																										
SRT-PT024_13.2	**13/6/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_4.0	**27/9/20**	**Natural**																										
SRT-PT025_5.0	**27/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_8.5	**27/9/20**	**Natural**																										
SRT-PT025_9.4	**27/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_10.8	**27/9/20**	**Natural**																										
SRT-PT025_11.7	**27/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_12.1	**27/9/20**	**Natural**																										
SRT-PT025_14.8	**27/9/20**	**Natural**																										
SRT-PT026_3.5	**27/9/20**	**Natural**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT026_4.4	**27/9/20**	**Natural**																										
SRT-PT026_8.0	**27/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT026_12.1	**27/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT027_2.8	**20/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT027_4.8	**20/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT027_13.5	**20/9/20**	**Natural**																										
SRT-PT027_14.0	**20/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_2.9	**20/9/20**	**Natural**																										

			Organochlorine Pesticides															PAH										
			DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 Excavated Natural Material (Absolute Max)																						1						
NSW 2014 Excavated Natural Material (Max Average)																						0.5						
Field ID	**Date**	**Matrix Type**																										
SRT-PT028_4.9	**20/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_5.5	**20/9/20**	**Natural**																										
SRT-PT028_14.2	**20/9/20**	**Natural**																<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Statistics																												
Number of Results			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**69**	**69**	**69**	**69**	**69**	**69**	**69**	**69**	**69**	**69**	**69**
Number of Detects			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**2**	**1**	**1**	**0**	**1**
Minimum Concentration			**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.2**	**<0.1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Minimum Detect			**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**1.4**	**1.3**	**1**	**0.5**	**1.1**	**1.6**	**ND**	**3.1**
Maximum Concentration			**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<2**	**<10**	**<0.5**	**<0.5**	**<0.5**	**1.4**	**1.3**	**1**	**0.8**	**1.1**	**1.6**	**<0.5**	**3.1**
Maximum Detect			**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**1.4**	**1.3**	**1**	**0.8**	**1.1**	**1.6**	**ND**	**3.1**
Average Concentration *			**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.044**	**0.18**	**0.84**	**0.25**	**0.25**	**0.25**	**0.27**	**0.27**	**0.26**	**0.26**	**0.26**	**0.27**	**0.25**	**0.29**
Median Concentration *			**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.1**	**0.5**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Standard Deviation *			**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.065**	**0.26**	**1.3**	**0**	**0**	**0**	**0.14**	**0.13**	**0.09**	**0.072**	**0.1**	**0.16**	**0**	**0.34**
95% UCL (Student's-t) *			**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.0774**	**0.31**	**1.52**	**0.25**	**0.25**	**0.25**	**0.294**	**0.291**	**0.279**	**0.276**	**0.283**	**0.302**	**0.25**	**0.36**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Absolute Max)

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Max Average)

											PCBs								Solvents				
			Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 Excavated Natural Material (Absolute Max)											40													
NSW 2014 Excavated Natural Material (Max Average)											20													
Field ID	**Date**	**Matrix Type**																						
SRT-PT002_2.3	7/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT002_4.0	7/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT003_2.7	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT003_3.8	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT004_2.0	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT004_5.0	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT004_8.7	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT004_13.2	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT004_14.4	21/6/20	Natural																						
SRT-PT005_1.4	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT005_4.0	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT006_2.4	13/6/20	Natural																						
SRT-PT006_2.8	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT006_5.0	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT006_8.0	14/6/20	Natural																						
SRT-PT006_8.7	13/6/20	Natural																						
SRT-PT006_8.7	14/6/20	Natural																	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_9.0	14/6/20	Natural																	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT006_11.0	13/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT006_12.0	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT006_12.7	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT007_1.5	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT007_2.8	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT007_3.7	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT008_2.7	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT008_4.5	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT009_1.5	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT009_9.8	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT009_12.4	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT010_4.5	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT011_3.5	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT011_12.0	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT012_2.7	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT012_3.5	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT013_2.4	6/6/20	Natural																	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_3.8	7/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_12.4	7/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_13.6	7/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT013_14.4	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT014_4.5	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT014_6.0	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT015_2.2	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT015_4.2	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT016_1.6	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT016_2.7	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT016_3.2	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT016_3.5	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT016_4.1	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT017_4.5	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT017_7.0	8/6/20	Natural	<0.5	0.6	<0.5	1.6	3.1	2.0	2.2	1.7	15.6								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT017_11.0	8/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT017_15.0	8/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT018_2.3	8/6/20	Natural										<5	<1	<5	<5	<5	<5	<5	<5					
SRT-PT018_2.8	8/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_8.5	8/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT018_11.2	8/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT018_12.2	6/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT020_2.2	20/6/20	Natural																						
SRT-PT020_4.1	20/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT022_2.6	13/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT022_5.0	13/6/20	Natural																						
SRT-PT022_6.3	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_6.7	14/6/20	Natural																	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT022_16.3	14/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT023_1.5	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT023_1.7	21/6/20	Natural																						
SRT-PT023_3.5	21/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT024_4.5	13/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT024_8.2	13/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT024_11.2	13/6/20	Natural																						
SRT-PT024_13.2	13/6/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT025_4.0	27/9/20	Natural																						
SRT-PT025_5.0	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_8.5	27/9/20	Natural			<0.5																			
SRT-PT025_9.4	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_10.8	27/9/20	Natural			<0.5																			
SRT-PT025_11.7	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT025_12.1	27/9/20	Natural			<0.5																			
SRT-PT025_14.8	27/9/20	Natural																						
SRT-PT026_3.5	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
SRT-PT026_4.4	27/9/20	Natural			<0.5																			
SRT-PT026_8.0	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT026_12.1	27/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT027_2.8	20/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT027_4.8	20/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5													
SRT-PT027_13.5	20/9/20	Natural																						
SRT-PT027_14.0	20/9/20	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SRT-PT028_2.9	20/9/20	Natural																						

												PCBs								Solvents					
			Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NSW 2014 Excavated Natural Material (Absolute Max)											40														
NSW 2014 Excavated Natural Material (Max Average)											20														
Field ID	**Date**	**Matrix Type**																							
SRT-PT028_4.9	**20/9/20**	**Natural**	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5									<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT028_5.5	**20/9/20**	**Natural**																		<0.5	<0.5	<0.5	<0.5	<0.5	
SRT-PT028_14.2	**20/9/20**	**Natural**	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5														
Statistics																									
Number of Results			**69**	**69**	**74**	**69**	**69**	**69**	**69**	**69**	**69**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**23**	**23**	**23**	**23**	**23**	
Number of Detects			**0**	**1**	**1**	**1**	**1**	**69**	**69**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
Minimum Concentration			**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**0.6**	**1.2**	**<0.5**	**0.5**	**<0.5**	**<0.1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
Minimum Detect			**ND**	**0.6**	**0.9**	**1.6**	**3.1**	**2.0**	**2.2**	**1.7**	**0.5**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	
Maximum Concentration			**<0.5**	**0.6**	**0.9**	**1.6**	**3.1**	**2.0**	**2.2**	**1.7**	**15.6**	**<5**	**<1**	**<5**	**<5**	**<5**	**<5**	**<5**	**<5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
Maximum Detect			**ND**	**0.6**	**0.9**	**1.6**	**3.1**	**2.0**	**2.2**	**1.7**	**15.6**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	
Average Concentration *			**0.25**	**0.26**	**0.26**	**0.27**	**0.29**	**0.62**	**1.2**	**0.27**	**0.48**	**0.44**	**0.088**	**0.44**	**0.44**	**0.44**	**0.44**	**0.44**	**0.44**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	
Median Concentration *			**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.6**	**1.2**	**0.25**	**0.25**	**0.25**	**0.05**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	
Standard Deviation *			**0**	**0.042**	**0.038**	**0.16**	**0.34**	**0.17**	**0.12**	**0.17**	**1.8**	**0.65**	**0.13**	**0.65**	**0.65**	**0.65**	**0.65**	**0.65**	**0.65**	**0**	**0**	**0**	**0**	**0**	
95% UCL (Student's-t) *			**0.25**	**0.264**	**0.273**	**0.302**	**0.36**	**0.654**	**1.239**	**0.306**	**0.847**	**0.774**	**0.155**	**0.774**	**0.774**	**0.774**	**0.774**	**0.774**	**0.774**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Absolute Max)

NSW EPA, November 2014, NSW 2014 Excavated Natural Material (Max Average)

		BTEX						TRH							TPH						
		Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Chlorinated hydrocarbons EPAVic	Other chlorinated hydrocarbons EPAVic
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		1	1	1	2	1	3	20	20	50	50	100	100	100	20	50	100	100	100	5	5
PFAS NEMP 2020 Drinking Water																					
PFAS NEMP 2020 Freshwater 95%																					
PFAS NEMP 2020 Freshwater 99%																					
PFAS NEMP 2020 Recreational Water																					
NEPM 2013 Table 1C GILs, Drinking Water		1	800	300			600														
NEPM 2013 Table 1C GILs, Fresh Waters		950				350	550														
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrus		4,000 | 5,000 | 5,000							6,000 | 6,000 | 6,000											
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour In		30,000 | 30,000 | 30,000																			
Field ID	**Date**																				
SRT-MW004	**2/7/20**	2	14	2	7	5	12	80	50	<50	<50	<100	<100	<100	60	<50	<100	<100	<100	11	11
SRT-MW004	**7/10/20**	2	<1	<1	<2	<1	<3	40	40	70	70	100	<100	170	40	80	200	<100	280	44	44
SRT-MW006	**2/7/20**	<1	22	4	40	26	65	330	240	<50	<50	100	<100	100	300	<50	<100	<100	<100	10	10
SRT-MW006	**2/7/20**																				
SRT-MW006	**7/10/20**	<1	<1	<1	<2	<1	<3	40	40	<50	<50	<100	<100	<100	40	<50	<100	<100	<100	18	18
SRT-MW009	**2/7/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100	<5	<5
SRT-MW009	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	70	70	100	<100	170	<20	60	200	<100	260	<5	<5
SRT-MW009S	**2/7/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	300	<100	300	<20	<50	100	200	300	<5	<5
SRT-MW009S	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100	<5	<5
SRT-MW011	**2/7/20**	<1	<1	<1	<2	<1	<3	<20	<20	60	60	400	<100	460	<20	<50	400	<100	400	<5	<5
SRT-MW011	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	140	140	200	<100	340	<20	130	300	<100	430	<5	<5
SRT-MW011S	**2/7/20**	<1	<1	<1	<2	<1	<3	30	30	<50	<50	100	<100	100	30	<50	100	<100	100	<5	<5
SRT-MW011S	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100	<5	<5
SRT-MW013	**2/7/20**	2	<1	<1	<2	<1	<3	760	760	330	330	300	<100	630	380	810	300	<100	1,110	6	6
SRT-MW013	**7/10/20**	1	<1	<1	<2	<1	<3	240	240	110	110	200	<100	310	120	220	300	<100	520	5	5
SRT-MW013S	**2/7/20**	<1	<1	<1	<2	<1	<3	420	420	110	110	100	<100	210	340	280	100	<100	380	6	6
SRT-MW013S	**7/10/20**	<1	<1	<1	<2	<1	<3	390	390	110	110	300	<100	410	190	360	300	<100	660	6	6
SRT-MW017	**2/7/20**	<1	<1	<1	<2	<1	<3	30	30	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100	<5	<5
SRT-MW017	**7/10/20**	<1	<1	<1	<2	<1	<3	30	30	90	90	200	<100	290	<20	110	200	<100	310	<5	<5
SRT-MW018	**2/7/20**	66	<1	<1	<2	<1	<3	200	130	<50	<50	<100	<100	<100	210	<50	<100	<100	<100	<5	<5
SRT-MW018	**7/10/20**	<1	<1	<1	<2	<1	<3	40	40	<50	<50	<100	<100	<100	30	<50	<100	<100	<100	<5	<5
SRT-MW022	**2/7/20**	<1	<1	<1	<2	<1	<3	70	70	<50	<50	<100	<100	<100	70	<50	<100	<100	<100	<5	<5
SRT-MW022	**7/10/20**	<1	<1	<1	<2	<1	<3	40	40	<50	<50	100	<100	100	30	<50	200	<100	200	<5	<5
SRT-MW024	**2/7/20**	<1	<1	<1	<2	<1	<3	40	40	<50	<50	<100	<100	<100	40	<50	<100	<100	<100	<5	<5
SRT-MW024	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	100	<100	100	<20	<50	200	<100	200	<5	<5
SRT-MW025	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100	<5	<5
SRT-MW026	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<20	<50	100	<100	100	<5	<5
SRT-MW027	**7/10/20**	<1	<1	<1	<2	1	<3	160	160	250	250	200	<100	450	120	290	300	<100	590	<5	<5
SRT-MW028	**7/10/20**	450	<5	<5	<10	53	53	1,500	1,000	120	120	<100	<100	120	1,400	130	<100	<100	130	<5	<5
SRT-MW028	**7/10/20**																				
SRT-MW101D	**2/7/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100	12	12
SRT-MW101D	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100	6	6
SRT-MW101S	**2/7/20**	<1	<1	<1	<2	<1	<3	90	90	<50	<50	<100	<100	<100	100	<50	<100	<100	<100	<5	<5
SRT-MW101S	**7/10/20**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100	<5	<5
Statistics																					
Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**6**	**2**	**2**	**2**	**4**	**3**	**19**	**19**	**11**	**11**	**15**	**0**	**16**	**17**	**10**	**15**	**1**	**16**	**10**	**10**
Minimum Concentration		**1**	**<1**	**<1**	**<2**	**1**	**<3**	**<20**	**<20**	**<50**	**<50**	**100**	**<100**	**100**	**<20**	**<50**	**100**	**<100**	**100**	**5**	**5**
Minimum Detect		**1**	**14**	**2**	**7**	**1**	**12**	**30**	**30**	**60**	**60**	**100**	**ND**	**100**	**30**	**60**	**100**	**200**	**100**	**5**	**5**
Maximum Concentration		**450**	**22**	**<5**	**40**	**53**	**65**	**1,500**	**1,000**	**330**	**330**	**400**	**<100**	**630**	**1,400**	**810**	**400**	**200**	**1,110**	**44**	**44**
Maximum Detect		**450**	**22**	**4**	**40**	**53**	**65**	**1,500**	**1,000**	**330**	**330**	**400**	**ND**	**630**	**1,400**	**810**	**400**	**200**	**1,110**	**44**	**44**
Average Concentration *		**17**	**1.7**	**0.72**	**2.5**	**3.1**	**5.4**	**146**	**124**	**62**	**62**	**114**	**50**	**158**	**114**	**94**	**130**	**55**	**212**	**5.6**	**5.6**
Median Concentration *		**0.5**	**0.5**	**0.5**	**1**	**0.5**	**1.5**	**35**	**35**	**25**	**25**	**50**	**50**	**75**	**30**	**25**	**50**	**50**	**75**	**2.5**	**2.5**
Standard Deviation *		**80**	**4.4**	**0.74**	**7**	**10**	**14**	**297**	**227**	**70**	**70**	**96**	**0**	**157**	**256**	**159**	**107**	**27**	**243**	**7.9**	**7.9**
95% UCL (Student's-t) *		**40.7**	**2.981**	**0.941**	**4.615**	**6.145**	**9.696**	**234.8**	**192.1**	**83.1**	**83.1**	**142.9**	**50**	**205.1**	**190.8**	**142**	**161.7**	**62.64**	**284.4**	**7.959**	**7.959**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

		Chlorinated Hydrocarbons																			
		1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1
PFAS NEMP 2020 Drinking Water																						
PFAS NEMP 2020 Freshwater 95%																						
PFAS NEMP 2020 Freshwater 99%																						
PFAS NEMP 2020 Recreational Water																						
NEPM 2013 Table 1C GILs, Drinking Water							30		3					3							4	
NEPM 2013 Table 1C GILs, Fresh Waters					6,500																	
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intru	4																					
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour	30																					
Field ID	**Date**																					
SRT-MW004	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	4	<1	<1	<1	1
SRT-MW004	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	10	<1	<1	<1	4
SRT-MW006	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	5	<1	<1	<1	<1
SRT-MW006	**2/7/20**																					
SRT-MW006	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	8	<1	<1	<1	1
SRT-MW009	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW009	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW009S	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW009S	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW011	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW011	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW011S	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW011S	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW013	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW013	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW013S	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW013S	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW017	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW017	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW018	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW018	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW022	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW022	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW024	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW024	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW025	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	1	<1	<1	<1	<1
SRT-MW026	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW027	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW028	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW028	**7/10/20**																					
SRT-MW101D	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	4	<1	<1	<1	1
SRT-MW101D	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	1	<1	<1	<1	1
SRT-MW101S	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
SRT-MW101S	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1
Statistics																						
Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**0**	**5**
Minimum Concentration		**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<5**	**<1**	**1**	**<1**	**<1**	**<1**	**1**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**2**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**1**	**ND**	**ND**	**ND**	**1**
Maximum Concentration		**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**2**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<5**	**<1**	**10**	**<1**	**<1**	**<1**	**4**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**2**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**10**	**ND**	**ND**	**ND**	**4**
Average Concentration *		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.55**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**2.5**	**0.5**	**1.4**	**0.5**	**0.5**	**0.5**	**0.67**
Median Concentration *		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**2.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.27**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2.3**	**0**	**0**	**0**	**0.63**
95% UCL (Student's-t) *		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.626**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**2.5**	**0.5**	**2.112**	**0.5**	**0.5**	**0.5**	**0.861**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

		Halogenated Benzenes								Halogenated Hydrocarbons				Perfluoroalkane Carboxylic Acids								
		Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	1,2-dibromoethane	Bromomethane	Iodomethane	Trichlorofluoromethane	Perfluorobutanoic acid (PFBA)	Perfluorohexanoic acid (PFHxA)	Perfluoropentanoic acid (PFPeA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		1	1	1	1	1	1	1	1	1	1	1	1	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
PFAS NEMP 2020 Drinking Water																		0.56				
PFAS NEMP 2020 Freshwater 95%																		220				
PFAS NEMP 2020 Freshwater 99%																		19				
PFAS NEMP 2020 Recreational Water																		10				
NEPM 2013 Table 1C GILs, Drinking Water		50			0.3	1,500		40	300		1											
NEPM 2013 Table 1C GILs, Fresh Waters						160	260	60														
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intru																						
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour																						
Field ID	**Date**																					
SRT-MW004	**2/7/20**	<1	<1	<1	<1	<1	<1	4	2	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW004	**7/10/20**	2	<1	<1	<1	<1	<1	20	8	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW006	**2/7/20**	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
SRT-MW006	**2/7/20**																					
SRT-MW006	**7/10/20**	7	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
SRT-MW009	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW009	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW009S	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW009S	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW011	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.08	0.03	0.08	0.63	0.01	<0.01	0.03	<0.01
SRT-MW011	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.06	0.02	0.09	0.53	<0.01	<0.01	0.04	<0.01
SRT-MW011S	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.12	0.09	0.12	0.61	<0.01	<0.01	0.01	<0.01
SRT-MW011S	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.08	0.07	0.12	0.58	<0.01	<0.01	0.02	<0.01
SRT-MW013	**2/7/20**	6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01
SRT-MW013	**7/10/20**	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW013S	**2/7/20**	6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.02	<0.01	0.01	0.03	<0.01	<0.01	<0.01	<0.01
SRT-MW013S	**7/10/20**	6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01
SRT-MW017	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.03	0.01	0.01	0.04	<0.01	<0.01	<0.01	<0.01
SRT-MW017	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.04	0.02	0.02	0.04	<0.01	<0.01	<0.01	<0.01
SRT-MW018	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01
SRT-MW018	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.09	0.16	0.09	0.13	0.52	<0.01	<0.01	0.04	<0.01
SRT-MW022	**2/7/20**	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW022	**7/10/20**	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01
SRT-MW024	**2/7/20**	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01
SRT-MW024	**7/10/20**	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW025	**7/10/20**	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW026	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.02	0.02	0.02	0.08	<0.01	<0.01	0.02	<0.01
SRT-MW027	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW028	**7/10/20**	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SRT-MW028	**7/10/20**																					
SRT-MW101D	**2/7/20**	5	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.02	<0.01
SRT-MW101D	**7/10/20**	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.02	0.01	<0.01	0.02	<0.01	<0.01	0.02	<0.01
SRT-MW101S	**2/7/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.03	0.02	0.01	0.03	<0.01	<0.01	0.01	<0.01
SRT-MW101S	**7/10/20**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.02	0.02	<0.01	0.02	<0.01	<0.01	0.01	<0.01

Statistics

Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**15**	**0**	**0**	**0**	**0**	**0**	**4**	**2**	**0**	**0**	**0**	**0**	**1**	**17**	**11**	**10**	**22**	**1**	**0**	**12**	**0**
Minimum Concentration		**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.05**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**<0.01**	**0.01**	**<0.01**
Minimum Detect		**2**	**ND**	**ND**	**ND**	**ND**	**ND**	**2**	**2**	**ND**	**ND**	**ND**	**ND**	**0.09**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**ND**	**0.01**	**ND**
Maximum Concentration		**7**	**<1**	**<1**	**<1**	**<1**	**<1**	**20**	**8**	**<1**	**<1**	**<1**	**<1**	**0.09**	**0.16**	**0.09**	**0.13**	**0.63**	**0.01**	**<0.01**	**0.04**	**<0.01**
Maximum Detect		**7**	**ND**	**ND**	**ND**	**ND**	**ND**	**20**	**8**	**ND**	**ND**	**ND**	**ND**	**0.09**	**0.16**	**0.09**	**0.13**	**0.63**	**0.01**	**ND**	**0.04**	**ND**
Average Concentration *		**2.3**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**1.3**	**0.78**	**0.5**	**0.5**	**0.5**	**0.5**	**0.027**	**0.025**	**0.016**	**0.023**	**0.11**	**0.0052**	**0.005**	**0.011**	**0.005**
Median Concentration *		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.025**	**0.01**	**0.005**	**0.005**	**0.02**	**0.005**	**0.005**	**0.005**	**0.005**
Standard Deviation *		**2.2**	**0**	**0**	**0**	**0**	**0**	**3.5**	**1.3**	**0**	**0**	**0**	**0**	**0.011**	**0.037**	**0.023**	**0.038**	**0.21**	**0.00088**	**0**	**0.01**	**0**
95% UCL (Student's-t) *		**2.962**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**2.356**	**1.184**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0305**	**0.0362**	**0.0227**	**0.034**	**0.167**	**0.00542**	**0.005**	**0.0143**	**0.005**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

				(n:2) Fluorotelomer Sulfonic Acids				Perfluoroalkane Sulfonic Acids							Perfluoroalkyl Sulfonamides							PFOS/PFOA
		Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluorononanesulfonic acid (PFNS)(trace)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.01	0.01	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.01
PFAS NEMP 2020 Drinking Water																						
PFAS NEMP 2020 Freshwater 95%													0.13									
PFAS NEMP 2020 Freshwater 99%													0.00023									
PFAS NEMP 2020 Recreational Water																						
NEPM 2013 Table 1C GILs, Drinking Water																						
NEPM 2013 Table 1C GILs, Fresh Waters																						
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intru	4																					
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour	30																					
Field ID	**Date**																					
SRT-MW004	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW004	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW006	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	0.06	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW006	**2/7/20**																					
SRT-MW006	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	0.06	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW009	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW009	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW009S	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.04	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW009S	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	0.06	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW011	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.03	0.02	0.09	0.01	0.69	<0.01	0.10	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW011	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.03	0.02	0.13	0.02	0.50	<0.01	0.09	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW011S	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.02	0.01	0.06	<0.01	0.26	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW011S	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.02	0.01	0.07	<0.01	0.31	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW013	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW013	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW013S	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.11	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW013S	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.11	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW017	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.03	0.02	0.08	<0.01	0.09	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW017	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.05	0.02	0.16	<0.01	0.14	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW018	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW018	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.04	<0.01	0.08	<0.01	0.07	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW022	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	0.03	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW022	**7/10/20**	<0.01	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.06	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW024	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW024	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW025	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW026	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	0.08	<0.01	0.17	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW027	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW028	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW028	**7/10/20**																					
SRT-MW101D	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	0.11	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW101D	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	0.13	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW101S	**2/7/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	0.05	<0.01	0.09	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
SRT-MW101S	**7/10/20**	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	0.04	<0.01	0.16	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01
Statistics																						
Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**0**	**0**	**0**	**1**	**0**	**0**	**0**	**10**	**6**	**27**	**2**	**22**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.01**	**<0.01**	**<0.01**	**<0.05**	**<0.01**	**<0.01**	**<0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**<0.01**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.01**
Minimum Detect		**ND**	**ND**	**ND**	**0.06**	**ND**	**ND**	**ND**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**ND**	**0.09**	**ND**	**0.07**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.01**	**<0.01**	**<0.01**	**0.06**	**<0.01**	**<0.01**	**<0.01**	**0.05**	**0.02**	**0.16**	**0.02**	**0.69**	**<0.01**	**0.1**	**<0.05**	**0.11**	**<0.05**	**<0.05**	**<0.05**	**<0.05**	**<0.01**
Maximum Detect		**ND**	**ND**	**ND**	**0.06**	**ND**	**ND**	**ND**	**0.05**	**0.02**	**0.16**	**0.02**	**0.69**	**ND**	**0.1**	**ND**	**0.11**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.005**	**0.005**	**0.005**	**0.026**	**0.005**	**0.005**	**0.005**	**0.011**	**0.0072**	**0.048**	**0.0056**	**0.1**	**0.005**	**0.029**	**0.025**	**0.029**	**0.025**	**0.025**	**0.025**	**0.025**	**0.005**
Median Concentration *		**0.005**	**0.005**	**0.005**	**0.025**	**0.005**	**0.005**	**0.005**	**0.005**	**0.005**	**0.04**	**0.005**	**0.06**	**0.005**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.025**	**0.005**
Standard Deviation *		**0**	**0**	**0**	**0.0062**	**0**	**0**	**0**	**0.012**	**0.0051**	**0.037**	**0.0028**	**0.15**	**0**	**0.017**	**0**	**0.017**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.005**	**0.005**	**0.005**	**0.0279**	**0.005**	**0.005**	**0.005**	**0.0148**	**0.00871**	**0.0589**	**0.00645**	**0.15**	**0.005**	**0.0345**	**0.025**	**0.0341**	**0.025**	**0.025**	**0.025**	**0.025**	**0.005**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

		PFAS					Inorganics									MAH						
		Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Ferrous Iron	Nitrate (as N)	Sodium	Sulphate	Total MAH	Isopropylbenzene	Styrene	Arsenic	Cadmium	Calcium	Chromium (III+VI)
		µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL		0.01	0.1	0.05	0.01	0.01	20	10	20	20	1	0.05	0.02	0.5	5	0.003	1	1	0.001	0.0002	0.5	0.001
PFAS NEMP 2020 Drinking Water		0.07																				
PFAS NEMP 2020 Freshwater 95%																						
PFAS NEMP 2020 Freshwater 99%																						
PFAS NEMP 2020 Recreational Water		2																				
NEPM 2013 Table 1C GILs, Drinking Water															500			30	0.01	0.002		
NEPM 2013 Table 1C GILs, Fresh Waters																				0.0002		
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intru	4																					
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour	80																					
Field ID	**Date**																					
SRT-MW004	**2/7/20**	0.01	<0.1	<0.05	0.01	<0.01	63	<10	<20	63	60			97	140	0.03	<1	<1	0.003	<0.0002	12	0.009
SRT-MW004	**7/10/20**	0.01	<0.1	<0.05	0.01	<0.01	<20	<10	<20	<20	45	0.9	<0.02	32	32	<0.003	<1	<1	<0.001	<0.0002	<5	<0.001
SRT-MW006	**2/7/20**	0.11	0.13	0.11	0.11	0.06	40	<10	<20	40	43	0.51	<0.02	35	28	0.092	<1	<1	0.003	<0.0002	12	0.018
SRT-MW006	**2/7/20**																					
SRT-MW006	**7/10/20**	0.12	0.14	0.12	0.12	0.06	<20	<10	<20	<20	39	4.7	<0.02	21	6.7	<0.003	<1	<1	0.001	<0.0002	<5	0.003
SRT-MW009	**2/7/20**	0.01	<0.1	<0.05	0.01	<0.01	<20	<10	<20	<20	52	2.4	0.02	32	15	<0.003	<1	<1	<0.001	<0.0002	5.0	0.001
SRT-MW009	**7/10/20**	0.02	<0.1	<0.05	0.02	<0.01	<20	<10	<20	<20	53	4.5	<0.02	25	28	<0.003	<1	<1	0.002	<0.0002	<5	0.004
SRT-MW009S	**2/7/20**	0.08	<0.1	0.08	0.08	0.04	400	<10	<20	400	22	2.4	2.1	29	38	<0.003	<1	<1	0.003	<0.0002	99	0.011
SRT-MW009S	**7/10/20**	0.12	0.12	0.12	0.12	0.06	150	<10	<20	150	25	<0.5	1.5	22	16	<0.003	<1	<1	0.003	<0.0002	36	0.003
SRT-MW011	**2/7/20**	0.78	1.91	1.63	1.41	1.32	160	<10	<20	160	62	0.89	0.60	110	140	<0.003	<1	<1	0.001	<0.0002	35	0.003
SRT-MW011	**7/10/20**	0.63	1.6	1.36	1.16	1.03	170	<10	<20	170	59	1.8	<0.02	89	74	<0.003	<1	<1	<0.001	<0.0002	23	<0.001
SRT-MW011S	**2/7/20**	0.32	1.3	1.28	0.93	0.87	26	<10	<20	26	59	0.18	<0.02	72	140	<0.003	<1	<1	<0.001	<0.0002	12	<0.001
SRT-MW011S	**7/10/20**	0.38	1.28	1.25	0.96	0.89	<20	<10	<20	<20	44	1.8	<0.02	77	190	<0.003	<1	<1	0.002	<0.0002	9.0	0.004
SRT-MW013	**2/7/20**	0.04	<0.1	0.08	0.07	0.07	65	<10	<20	65	23	0.10	0.12	22	26	0.003	1	<1	<0.001	<0.0002	7.9	<0.001
SRT-MW013	**7/10/20**	<0.01	<0.1	<0.05	0.01	0.01	46	<10	<20	46	66	5.3	<0.02	88	130	<0.003	<1	<1	0.003	<0.0002	10	0.009
SRT-MW013S	**2/7/20**	0.15	0.21	0.21	0.18	0.14	100	<10	<20	100	18	0.22	0.23	18	25	<0.003	<1	<1	<0.001	<0.0002	23	<0.001
SRT-MW013S	**7/10/20**	0.15	0.19	0.19	0.18	0.14	<20	<10	<20	<20	20	<0.5	<0.02	16	20	<0.003	<1	<1	<0.001	<0.0002	<5	<0.001
SRT-MW017	**2/7/20**	0.17	0.31	0.29	0.21	0.13	<20	<10	<20	<20	24	0.05	0.46	18	11	<0.003	<1	<1	<0.001	<0.0002	4.1	0.001
SRT-MW017	**7/10/20**	0.3	0.49	0.47	0.34	0.18	<20	<10	<20	<20	27	<0.5	1.5	13	10	<0.003	<1	<1	<0.001	<0.0002	5.3	0.001
SRT-MW018	**2/7/20**	<0.01	<0.1	<0.05	0.03	0.03	44	<10	<20	44	60	0.05	0.98	50	35	0.066	<1	<1	<0.001	<0.0002	11	0.001
SRT-MW018	**7/10/20**	0.15	1.22	1.18	0.67	0.59	<20	<10	<20	<20	150	<0.5	0.43	81	93	<0.003	<1	<1	0.002	<0.0002	8.9	<0.001
SRT-MW022	**2/7/20**	0.05	<0.1	0.06	0.06	0.04	23	<10	<20	23	42	0.06	5.3	37	27	<0.003	<1	<1	0.004	<0.0002	7.2	0.022
SRT-MW022	**7/10/20**	0.1	0.18	0.18	0.12	0.08	<20	<10	<20	<20	34	<0.5	5.3	21	7.3	<0.003	<1	<1	0.019	<0.0002	<5	0.25
SRT-MW024	**2/7/20**	0.01	<0.1	<0.05	0.03	0.03	80	<10	<20	80	46	<0.05	0.55	55	45	<0.003	<1	<1	<0.001	<0.0002	13	0.004
SRT-MW024	**7/10/20**	<0.01	<0.1	<0.05	0.01	0.01	33	<10	<20	33	43	<0.5	1.2	29	25	<0.003	<1	<1	<0.001	<0.0002	<5	0.004
SRT-MW025	**7/10/20**	0.04	<0.1	<0.05	0.04	<0.01	82	<10	<20	82	45	<0.5	4.2	26	28	<0.003	<1	<1	<0.001	<0.0002	24	<0.001
SRT-MW026	**7/10/20**	0.25	0.42	0.4	0.33	0.25	63	<10	<20	63	31	<0.5	3.3	24	26	<0.003	<1	<1	<0.001	<0.0002	15	0.007
SRT-MW027	**7/10/20**	0.03	<0.1	0.05	0.04	0.01	<20	<10	<20	<20	90	<0.5	2.4	39	13	<0.003	<1	<1	0.001	<0.0002	6.4	0.002
SRT-MW028	**7/10/20**	0.03	<0.1	<0.05	0.03	<0.01	<20	<10	<20	<20	44	<0.5	0.10	21	8.7	0.528	25	<1	0.001	<0.0002	<5	0.003
SRT-MW028	**7/10/20**																					
SRT-MW101D	**2/7/20**	0.19	0.24	0.22	0.21	0.13	22	<10	<20	22	56	0.29	1.7	43	28	<0.003	<1	<1	<0.001	<0.0002	3.8	0.003
SRT-MW101D	**7/10/20**	0.21	0.28	0.26	0.23	0.15	<20	<10	<20	<20	51	1.3	1.4	48	33	<0.003	<1	<1	0.003	<0.0002	5.0	0.012
SRT-MW101S	**2/7/20**	0.14	0.25	0.24	0.17	0.12	<20	<10	<20	<20	47	0.27	12	37	7.1	<0.003	<1	<1	0.004	<0.0002	5.4	0.019
SRT-MW101S	**7/10/20**	0.2	0.28	0.27	0.22	0.18	<20	<10	<20	<20	43	1.1	9.0	34	7.2	<0.003	<1	<1	0.008	<0.0002	9.0	0.092
Statistics																						
Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**31**	**31**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**29**	**18**	**22**	**32**	**26**	**17**	**0**	**0**	**17**	**32**	**20**	**22**	**32**	**32**	**5**	**2**	**0**	**17**	**0**	**25**	**24**
Minimum Concentration		**0.01**	**<0.1**	**0.05**	**0.01**	**0.01**	**<20**	**<10**	**<20**	**<20**	**18**	**0.05**	**0.02**	**13**	**6.7**	**0.003**	**1**	**<1**	**0.001**	**<0.0002**	**3.8**	**0.001**
Minimum Detect		**0.01**	**0.12**	**0.05**	**0.01**	**0.01**	**22**	**ND**	**ND**	**22**	**18**	**0.05**	**0.02**	**13**	**6.7**	**0.003**	**1**	**ND**	**0.001**	**ND**	**3.8**	**0.001**
Maximum Concentration		**0.78**	**1.91**	**1.63**	**1.41**	**1.32**	**400**	**<10**	**<20**	**400**	**150**	**5.3**	**12**	**110**	**190**	**0.528**	**25**	**<1**	**0.019**	**<0.0002**	**99**	**0.25**
Maximum Detect		**0.78**	**1.91**	**1.63**	**1.41**	**1.32**	**400**	**ND**	**ND**	**400**	**150**	**5.3**	**12**	**110**	**190**	**0.528**	**25**	**ND**	**0.019**	**ND**	**99**	**0.25**
Average Concentration *		**0.15**	**0.35**	**0.32**	**0.25**	**0.21**	**54**	**5**	**10**	**54**	**48**	**1**	**1.8**	**43**	**45**	**0.024**	**1.3**	**0.5**	**0.0022**	**0.0001**	**13**	**0.015**
Median Concentration *		**0.115**	**0.135**	**0.12**	**0.12**	**0.065**	**22.5**	**5**	**10**	**22.5**	**44.5**	**0.25**	**0.55**	**33**	**27.5**	**0.0015**	**0.5**	**0.5**	**0.001**	**0.0001**	**8.4**	**0.003**
Standard Deviation *		**0.18**	**0.51**	**0.46**	**0.36**	**0.34**	**78**	**0**	**0**	**78**	**24**	**1.4**	**2.8**	**27**	**49**	**0.094**	**4.3**	**0**	**0.0035**	**0**	**18**	**0.046**
95% UCL (Student's-t) *		**0.204**	**0.504**	**0.461**	**0.363**	**0.31**	**77.13**	**5**	**10**	**77.13**	**54.93**	**1.451**	**2.614**	**50.56**	**60.13**	**0.0519**	**2.579**	**0.5**	**0.00325**	**0.0001**	**18.51**	**0.0291**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

		Metals								Organic	PAH											
		Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Zinc	Methane	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.001	0.001	0.5	0.005	0.0001	0.001	0.5	0.005	0.05	1	1	1	1	1	0.001	1	1	1	1	1	1
PFAS NEMP 2020 Drinking Water																						
PFAS NEMP 2020 Freshwater 95%																						
PFAS NEMP 2020 Freshwater 99%																						
PFAS NEMP 2020 Recreational Water																						
NEPM 2013 Table 1C GILs, Drinking Water		2	0.01		0.5	0.001	0.02								0.01							
NEPM 2013 Table 1C GILs, Fresh Waters		0.0014	0.0034		1.9	0.00006	0.011		0.008													
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intru																						
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour	30)																					
Field ID	**Date**																					
SRT-MW004	**2/7/20**	0.010	0.006	3.7	0.12	<0.0001	0.004	15	0.070	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW004	**7/10/20**	<0.001	<0.001	<5	0.032	<0.0001	<0.001	<5	0.014	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW006	**2/7/20**	0.005	0.010	3.4	0.14	<0.0001	0.004	2.4	0.071	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW006	**2/7/20**																					
SRT-MW006	**7/10/20**	<0.001	0.002	<5	0.054	<0.0001	<0.001	<5	0.019	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW009	**2/7/20**	0.002	0.002	2.1	0.038	<0.0001	0.001	4.4	0.035	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW009	**7/10/20**	0.002	0.005	<5	0.024	<0.0001	0.001	<5	0.035	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW009S	**2/7/20**	0.012	0.029	9.3	0.37	<0.0001	0.004	4.4	0.21	<0.05	<1	<1	<1	3	2	0.002	1	2	2	<1	3	<1
SRT-MW009S	**7/10/20**	0.002	0.004	5.2	0.070	<0.0001	0.002	<5	0.068	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW011	**2/7/20**	0.002	0.002	5.9	0.20	<0.0001	0.001	2.9	0.007	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW011	**7/10/20**	<0.001	0.002	<5	0.15	<0.0001	<0.001	8.1	0.017	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW011S	**2/7/20**	<0.001	<0.001	5.3	0.20	<0.0001	0.002	6.4	0.017	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW011S	**7/10/20**	0.002	0.004	<5	0.11	<0.0001	0.003	<5	0.029	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW013	**2/7/20**	0.002	<0.001	3.5	0.061	<0.0001	<0.001	2.4	0.070	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW013	**7/10/20**	0.005	0.005	<5	0.12	<0.0001	0.002	<5	0.052	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW013S	**2/7/20**	<0.001	<0.001	3.2	0.21	<0.0001	0.002	0.9	0.096	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW013S	**7/10/20**	0.002	<0.001	<5	0.072	<0.0001	0.002	<5	0.028	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW017	**2/7/20**	0.002	0.001	2.9	0.027	<0.0001	<0.001	<0.5	0.067	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW017	**7/10/20**	0.002	0.002	<5	0.013	<0.0001	<0.001	<5	0.023	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW018	**2/7/20**	0.001	<0.001	3.9	0.080	<0.0001	0.002	7.4	0.056	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW018	**7/10/20**	0.003	<0.001	<5	0.052	<0.0001	0.004	28	0.024	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW022	**2/7/20**	0.009	0.008	3.5	0.098	<0.0001	0.003	2.4	0.023	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW022	**7/10/20**	0.10	0.14	<5	0.18	0.0002	0.019	<5	0.19	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW024	**2/7/20**	0.001	<0.001	3.2	0.15	<0.0001	0.002	5.5	0.094	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW024	**7/10/20**	0.001	<0.001	<5	0.062	<0.0001	0.002	<5	0.031	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW025	**7/10/20**	<0.001	<0.001	<5	0.13	<0.0001	0.002	15	0.059	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW026	**7/10/20**	0.001	<0.001	<5	0.046	<0.0001	0.001	<5	0.057	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW027	**7/10/20**	0.004	0.002	<5	0.016	0.0003	0.003	17	0.056	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW028	**7/10/20**	0.002	0.002	<5	0.023	<0.0001	0.001	6.6	0.036	0.13	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW028	**7/10/20**																					
SRT-MW101D	**2/7/20**	0.005	0.004	2.6	0.036	<0.0001	0.002	1.2	0.031	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW101D	**7/10/20**	0.017	0.014	3.3	0.082	<0.0001	0.006	2.2	0.090	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW101S	**2/7/20**	0.011	0.014	5.7	0.036	<0.0001	0.003	1.5	0.040	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
SRT-MW101S	**7/10/20**	0.075	0.076	7.2	0.15	0.0002	0.011	3.3	0.27	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1
Statistics																						
Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**26**	**21**	**17**	**32**	**3**	**26**	**20**	**32**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**0**	**1**	**0**
Minimum Concentration		**0.001**	**0.001**	**2.1**	**0.013**	**<0.0001**	**0.001**	**<0.5**	**0.007**	**<0.05**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.001**	**1**	**<1**	**<1**	**<1**	**<1**	**<1**
Minimum Detect		**0.001**	**0.001**	**2.1**	**0.013**	**0.0002**	**0.001**	**0.9**	**0.007**	**0.13**	**ND**	**ND**	**ND**	**3**	**2**	**0.002**	**1**	**2**	**2**	**ND**	**3**	**ND**
Maximum Concentration		**0.1**	**0.14**	**9.3**	**0.37**	**0.0003**	**0.019**	**28**	**0.27**	**0.13**	**<1**	**<1**	**<1**	**3**	**2**	**0.002**	**1**	**2**	**2**	**<1**	**3**	**<1**
Maximum Detect		**0.1**	**0.14**	**9.3**	**0.37**	**0.0003**	**0.019**	**28**	**0.27**	**0.13**	**ND**	**ND**	**ND**	**3**	**2**	**0.002**	**1**	**2**	**2**	**ND**	**3**	**ND**
Average Concentration *		**0.0088**	**0.011**	**3.5**	**0.098**	**0.000067**	**0.0029**	**5.1**	**0.062**	**0.028**	**0.5**	**0.5**	**0.5**	**0.58**	**0.55**	**0.00055**	**0.52**	**0.55**	**0.55**	**0.5**	**0.58**	**0.5**
Median Concentration *		**0.002**	**0.002**	**2.55**	**0.076**	**0.00005**	**0.002**	**2.5**	**0.046**	**0.025**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0005**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Standard Deviation *		**0.021**	**0.027**	**1.6**	**0.077**	**0.000056**	**0.0036**	**5.9**	**0.059**	**0.019**	**0**	**0**	**0**	**0.44**	**0.27**	**0.00027**	**0.088**	**0.27**	**0.27**	**0**	**0.44**	**0**
95% UCL (Student's-t) *		**0.0152**	**0.0188**	**3.971**	**0.122**	**###########**	**0.00395**	**6.904**	**0.0797**	**0.0338**	**0.5**	**0.5**	**0.5**	**0.711**	**0.626**	**0.00062635**	**0.542**	**0.626**	**0.626**	**0.5**	**0.711**	**0.5**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

							PCBs							
		Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		1	1	1	1	1	5	1	5	5	5	5	5	1
PFAS NEMP 2020 Drinking Water														
PFAS NEMP 2020 Freshwater 95%														
PFAS NEMP 2020 Freshwater 99%														
PFAS NEMP 2020 Recreational Water														
NEPM 2013 Table 1C GILs, Drinking Water														
NEPM 2013 Table 1C GILs, Fresh Waters			16							0.3		0.01		
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intru	4													
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour	30													
Field ID	**Date**													
SRT-MW004	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW004	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW006	**2/7/20**	<1	1	<1	<1	1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW006	**2/7/20**		<10											
SRT-MW006	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW009	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW009	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW009S	**2/7/20**	1	<1	1	3	20	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW009S	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW011	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW011	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW011S	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW011S	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW013	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW013	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW013S	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW013S	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW017	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW017	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW018	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW018	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW022	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW022	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW024	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW024	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW025	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW026	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW027	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW028	**7/10/20**	<1	7	<1	<1	7	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW028	**7/10/20**		<50											
SRT-MW101D	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW101D	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW101S	**2/7/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
SRT-MW101S	**7/10/20**	<1	<1	<1	<1	<1	<5	<1	<5	<5	<5	<5	<5	<1
Statistics														
Number of Results		**32**	**34**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**1**	**2**	**1**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**1**	**1**	**1**	**<1**	**1**	**<5**	**<1**	**<5**	**<5**	**<5**	**<5**	**<5**	**<1**
Minimum Detect		**1**	**1**	**1**	**3**	**1**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**1**	**<50**	**1**	**3**	**20**	**<5**	**<1**	**<5**	**<5**	**<5**	**<5**	**<5**	**<1**
Maximum Detect		**1**	**7**	**1**	**3**	**20**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.52**	**1.6**	**0.52**	**0.58**	**1.3**	**2.5**	**0.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**0.5**
Median Concentration *		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**2.5**	**0.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**0.5**
Standard Deviation *		**0.088**	**2.8**	**0.088**	**0.44**	**3.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.542**	**2.822**	**0.542**	**0.711**	**2.406**	**2.5**	**0.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**0.5**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

		BTEX							TRH													
		Benzene	Ethylbenzene	Naphthalene	Toluene	o-Xylene	m&p-Xylenes	Total Xylenes	C6-C10	C6-C10 (ex BTEX)	>C10-C16	>C10-C16 (less Naphthalene)	2-butanone(MEK)	Carbon tetrachloride	Chlorobenzene	Chloroform	12-Dichlorobenzene	13-Dichlorobenzene	14-Dichlorobenzene	1,1-Dichloroethane	12-Dichloroethane	1,1-Dichloroethene
		µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	mg/m³	mg/m³	mg/m³	mg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
NEPM 2013 Table 1A(5) Res A/B Soil Vapour HSL for Vapour Intrusion, Silt, 0 to 1m		1,000 / 1,000	450,000/380	1,000 / 9000	1,700,000 / 1,400,000			300,000 / 260,000		240 / 210		190 / 160										
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapour Intrusion, Silt, 0 to 1		4,000	1,500,000	4,000	5,700,000			1,000,000		850		670										
NEPM 2013 Table 1A(2) HILs Res A Soil Vapour																						
NEPM 2013 Table 1A(2) HILs Comm/Ind D Soil Vapour																						
Field ID	**Date**																					
SV02 AN-LU-19-608	**22/6/20**	<7.6	<4.1	<5.1	<5.2	<4.2	<4.2	<4.2	<1	<1	6	6	<15	<12	<4.6	<9.5	<2.4	<2.7	<2.7	<19	<7.6	<22
SV03 AN-LU-19-606	**22/6/20**	<7.6	<4.1	<5.1	<5.1	<4.2	<4.2		<0.99	<0.99	<0.42	<0.42	<14	<12	<4.5	<9.4	<2.4	<2.7	<2.7	<19	<7.6	<22
SV04 AN-LU-19-609	**22/6/20**	<7.6	<4.1	<5.1	<5.2	<4.2	<4.2		<1	<1	<0.42	<0.42	<15	<12	<4.6	<9.5	<2.4	<2.7	<2.7	<19	<7.6	<22
SV05 AN-LU-19-618	**22/6/20**	<7.6	69	<5.1	8.2	130	450	580	2.7	1.1	<0.42	<0.42	<15	<12	<4.6	<9.5	<2.4	<2.7	<2.7	<19	<7.6	<22
SV07 AN-LU-19-604	**22/6/20**	18	<4	5.8	11	<4.1	4.5	4.5	<0.98	<0.98	<0.41	<0.41	<14	<12	<4.5	<9.3	<2.3	<2.7	<2.6	<19	<7.5	<22
SV08 AN-LU-19-607	**22/6/20**	11	<4	<5.1	9.4	<4.2	<4.2		<0.99	<0.99	<0.42	<0.42	<14	<12	<4.5	<9.4	<2.4	<2.7	<2.6	<19	<7.5	<22
SV09 AN-LU-19-600	**22/6/20**	12	<4	41	8	<4.1	4.3	4.3	2.2	2.2	<0.41	<0.41	<14	<12	<4.5	<9.2	<2.3	<2.7	<2.6	<18	<7.4	<22
SV10 AN-LU-19-610	**22/6/20**	<7.5	<4	<5	<5.1	<4.2	<4.2	<4.2	1.2	1.2	<0.42	<0.42	<14	<12	<4.5	<9.3	<2.4	<2.7	<2.6	<19	<7.5	<22
SV11 AN-LU-19-602	**22/6/20**	<7.4	<4	<5	6.9	<4.1	<4.1	<4.1	<0.98	<0.98	<0.41	<0.41	<14	<12	<4.4	<9.2	<2.3	<2.7	<2.6	<18	<7.4	<22
SV12 AN-LU-19-603	**22/6/20**	<7.5	<4	<5	14	9.1	13	21.2	<0.99	<0.99	<0.42	<0.42	<14	<12	<4.5	<9.3	<2.3	<2.7	<2.6	<19	<7.5	<22
SV13 AN-LU-19-611	**22/6/20**	<7.6	<4.1	<5.1	<5.1	<4.2	<4.2	<4.2	<1	<1	<0.42	<0.42	<15	<12	<4.5	<9.4	<2.4	<2.7	<2.7	<19	<7.6	<22
SV14 AN-LU-19-605	**22/6/20**	<7.6	<4.1	<5.1	<5.1	<4.2	<4.2	<4.2	<0.99	<0.99	<0.42	<0.42	<14	<12	<4.5	<9.4	<2.4	<2.7	<2.7	<19	<7.6	<22

		VOC														
		cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Hexane	Isopropylbenzene	Tetrachloroethene	111-Trichloroethane	112-Trichloroethane	Trichloroethene	124-Trimethylbenzene	Vinyl Chloride	Dichlorodifluoromethane	Trichlorofluoromethane	124-Trichlorobenzene	123-Trichlorobenzene	Halothane
		µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
NEPM 2013 Table 1A(5) Res A/B Soil Vapour HSL for Vapour Intrusion, Silt, 0 to 1m																
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapour Intrusion, Silt, 0 to 1																
NEPM 2013 Table 1A(2) HILs Res A Soil Vapour		80				2,000	60,000		20		30					
NEPM 2013 Table 1A(2) HILs Comm/Ind D Soil Vapour		300				8,000	230,000		80		100					
Field ID	**Date**															
SV02 AN-LU-19-608	**22/6/20**	<9.6	<10	<10	<2	<4.6	<15	<5.7	<5.8	<2.8	<36	<100	<36	<4.1	<2.4	<34
SV03 AN-LU-19-606	**22/6/20**	<9.6	<9.9	<9.9	<1.9	<4.5	<14	<5.7	<5.8	<2.8	<36	<99	<36	<4	<2.4	<34
SV04 AN-LU-19-609	**22/6/20**	<9.6	<10	<10	<2	<4.6	<15	<5.7	<5.8	<2.8	<36	<100	<36	<4.1	<2.4	<34
SV05 AN-LU-19-618	**22/6/20**	<9.6	<10	<10	<2	<4.6	<15	<5.7	<5.8	20	<37	<100	<37	<4.1	<2.4	<34
SV07 AN-LU-19-604	**22/6/20**	<9.5	<9.8	29	<1.9	<4.5	<14	<5.6	<5.7	<2.8	<36	<98	<36	<4	<2.3	<33
SV08 AN-LU-19-607	**22/6/20**	<9.5	<9.9	17	<1.9	<4.5	<14	<5.7	<5.7	<2.8	<36	<99	<36	<4	<2.4	<34
SV09 AN-LU-19-600	**22/6/20**	<9.4	<9.8	280	<1.9	<4.5	<14	<5.6	<5.7	3.5	<36	<98	<36	<4	<2.3	<33
SV10 AN-LU-19-610	**22/6/20**	<9.5	<9.9	<9.9	<1.9	<4.5	<14	<5.7	<5.7	<2.8	<36	<99	<36	<4	<2.4	<34
SV11 AN-LU-19-602	**22/6/20**	<9.4	<9.8	17	<1.9	<4.4	<14	<5.6	<5.7	<2.7	<36	<98	<36	<3.9	<2.3	<33
SV12 AN-LU-19-603	**22/6/20**	<9.5	<9.9	<9.9	<1.9	<4.5	<14	<5.6	<5.7	4.2	<36	<99	<36	<4	<2.3	<34
SV13 AN-LU-19-611	**22/6/20**	<9.6	<10	<10	<2	<4.5	<15	<5.7	<5.8	<2.8	<36	<100	<36	<4	<2.4	<34
SV14 AN-LU-19-605	**22/6/20**	<9.6	<9.9	<9.9	<2	<4.5	<14	<5.7	<5.8	<2.8	<36	<99	<36	<4	<2.4	<34

		Perfluorooctanoic acid (PFOA)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorooctane sulfonic acid (PFOS)
		µg/L	µg/L	µg/L
EQL		0.01	0.01	0.01
PFAS NEMP 2020 Drinking Water		0.56	0.07	0.07
PFAS NEMP 2020 Freshwater 80%		1,824		31
PFAS NEMP 2020 Freshwater 90%		632		2
PFAS NEMP 2020 Freshwater 95%		220		0.13
PFAS NEMP 2020 Freshwater 99%		19		0.00023
PFAS NEMP 2020 Recreational Water		10	2	2
Field ID	**Date**			
SRT-MW009S	**02 Jul 2020**	<0.01	0.04	0.04
SRT-MW009S	**07 Oct 2020**	<0.01	0.06	0.06
MW009-S	**26 Oct 2023**	<0.01	0.05	0.08
MW009-S	**27 Feb 2024**	<0.01	0.06	0.13
SRT-MW011S	**02 Jul 2020**	0.61	0.06	0.26
SRT-MW011S	**07 Oct 2020**	0.58	0.07	0.31
MW011-S	**26 Oct 2023**	0.24	0.04	0.34
MW011-S	**28 Feb 2024**	0.27	0.04	0.49
SRT-MW013S	**02 Jul 2020**	0.03	0.04	0.11
SRT-MW013S	**07 Oct 2020**	0.03	0.04	0.11
MW013-S	**27 Oct 2023**	0.05	0.07	0.20
MW013-S	**28 Feb 2024**	0.02	0.03	0.10
SRT-MW101S	**02 Jul 2020**	0.03	0.05	0.09
SRT-MW101S	**07 Oct 2020**	0.02	0.04	0.16
MW101-S	**27 Oct 2023**	0.05	0.05	0.12
MW101-S	**27 Feb 2024**	0.01	0.01	0.04

Environmental Standards

HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

			Metals															BTEX						
			Arsenic	Arsenic (filtered)	Cadmium	Cadmium (filtered)	Chromium (III+VI)	Chromium (III+VI) (filtered)	Copper	Copper (filtered)	Lead	Lead (filtered)	Mercury	Mercury (filtered)	Nickel	Nickel (filtered)	Zinc	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.001	0.001	0.0002	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.0001	0.001	0.001	0.005	0.005	1	1	1	2	1	3
PFAS NEMP 2020 Drinking Water																								
PFAS NEMP 2020 Freshwater 80%																								
PFAS NEMP 2020 Freshwater 90%																								
PFAS NEMP 2020 Freshwater 95%																								
PFAS NEMP 2020 Freshwater 99%																								
PFAS NEMP 2020 Recreational Water																								
NEPM 2013 Table 1C GILs, Drinking Water			0.01	0.01	0.002	0.002			2	2	0.01	0.01	0.001	0.001	0.02	0.02			1	800	300			600
NEPM 2013 Table 1C GILs, Fresh Waters					0.0002	0.0002			0.0014	0.0014	0.0034	0.0034	0.00006	0.00006	0.011	0.011	0.008	0.008	950				350	550
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Sand																			800 | 800 | 900					
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt																			4,000 | 5,000 | 5,000					
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			5,000 | 5,000 | 5,000					
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt																			30,000 | 30,000 | 30,000					
Field ID	**Location Code**	**Date**																						
MW004		**27 Oct 2023**		<0.001		<0.0002		<0.001		0.015		<0.001		<0.0001		0.011		0.072	1	<1	<1	<2	<1	<3
MW004		**27 Feb 2024**	<0.001		<0.0002		<0.001		<0.001		<0.001		<0.0001		<0.001		0.012		2	<1	<1	<2	<1	<3
MW006		**28 Feb 2024**	<0.001		<0.0002		<0.001		<0.001		<0.001		<0.0001		<0.001		0.009		<1	<1	<1	<2	<1	<3
MW009-D		**26 Oct 2023**		<0.001		<0.0002		<0.001		0.011		0.003		<0.0001		0.006		0.033	<1	<1	<1	<2	<1	<3
MW009-D		**28 Feb 2024**	<0.001		<0.0002		<0.001		0.002		<0.001		<0.0001		<0.001		0.027		<1	<1	<1	<2	<1	<3
MW011-D		**26 Oct 2023**		<0.001		<0.0002		<0.001		0.006		<0.001		<0.0001		<0.001		0.030	<1	<1	<1	<2	<1	<3
MW011-D		**28 Feb 2024**	<0.001		<0.0002		<0.001		<0.001		<0.001		<0.0001		0.004		0.016		<1	<1	<1	<2	<1	<3
MW013-D		**28 Feb 2024**	<0.001		<0.0002		<0.001		0.002		<0.001		<0.0001		<0.001		0.035		<1	<1	<1	<2	<1	<3
MW018		**27 Oct 2023**		<0.001		<0.0002		<0.001		0.005		<0.001		<0.0001		0.002		0.10	<1	<1	<1	<2	<1	<3
MW018		**28 Feb 2024**	0.002		<0.0002		<0.001		0.011		<0.001		<0.0001		0.006		0.10		<1	<1	<1	<2	<1	<3
MW022		**27 Oct 2023**		<0.001		<0.0002		<0.001		0.009		0.001		<0.0001		0.001		0.035	<1	<1	<1	<2	<1	<3
MW025		**27 Oct 2023**		<0.001		<0.0002		<0.001		0.004		0.002		<0.0001		0.007		0.067	<1	<1	<1	<2	<1	<3
MW025		**28 Feb 2024**	<0.001		<0.0002		0.002		0.004		0.002		<0.0001		0.024		0.034		<1	<1	<1	<2	<1	<3
MW026		**26 Oct 2023**		<0.001		<0.0002		<0.001		0.021		0.002		<0.0001		<0.001		0.068	<1	<1	<1	<2	<1	<3
MW026		**27 Feb 2024**	<0.001		<0.0002		<0.001		0.002		<0.001		<0.0001		<0.001		0.025		<1	<1	<1	<2	<1	<3
MW027		**26 Oct 2023**		<0.001		<0.0002		<0.001		0.023		0.004		<0.0001		0.003		0.072	<1	<1	<1	<2	<1	<3
MW027		**28 Feb 2024**	<0.001		<0.0002		<0.001		<0.001		<0.001		0.0005		<0.001		0.034		<1	<1	<1	<2	<1	<3
MW028		**28 Feb 2024**	<0.001		<0.0002		<0.001		<0.001		<0.001		<0.0001		<0.001		0.023		24	<1	<1	<2	1	<3
MW101-D		**27 Oct 2023**		<0.001		<0.0002		<0.001		0.004		<0.001		<0.0001		<0.001		0.091	<1	<1	<1	<2	<1	<3
MW101-D		**27 Feb 2024**	<0.001		<0.0002		<0.001		0.005		<0.001		<0.0001		0.001		0.033		<1	<1	<1	<2	<1	<3

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water
2013, NEPM 2013 Table 1C GILs, Drinking Water
2013, NEPM 2013 Table 1C GILs, Fresh Waters
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt

	Perfluoroalkane Carboxylic Acids	(n:2) Fluorotelomer Sulfonic Acids	Perfluoroalkane Sulfonic Acids		PFAS		
	Perfluorooctanoic acid (PFOA)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorooctane sulfonic acid (PFOS)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	0.01	0.05	0.01	0.01	0.01	0.01	0.01
PFAS NEMP 2020 Drinking Water	0.56		0.07	0.07	0.07		
PFAS NEMP 2020 Freshwater 80%	1,824			31			
PFAS NEMP 2020 Freshwater 90%	632			2			
PFAS NEMP 2020 Freshwater 95%	220			0.13			
PFAS NEMP 2020 Freshwater 99%	19			0.00023			
PFAS NEMP 2020 Recreational Water	10		2	2	2		
NEPM 2013 Table 1C GILs, Drinking Water							
NEPM 2013 Table 1C GILs, Fresh Waters							
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Sand							
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt							
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand							
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt							
Field ID	**Location Code**	**Date**						
MW004		**27 Oct 2023**	0.02	<0.05	0.01	0.01	0.02	0.04	0.03
MW004		**27 Feb 2024**	<0.01	<0.05	0.02	0.02	0.04	0.04	0.02
MW006		**28 Feb 2024**	<0.01	<0.05	0.02	0.06	0.08	0.08	0.06
MW009-D		**26 Oct 2023**	<0.01	<0.05	0.03	0.02	0.05	0.05	0.02
MW009-D		**28 Feb 2024**	<0.01	<0.05	0.03	0.03	0.06	0.06	0.03
MW011-D		**26 Oct 2023**	0.12	<0.05	0.08	0.35	0.43	0.55	0.47
MW011-D		**28 Feb 2024**	0.08	<0.05	0.04	0.25	0.29	0.37	0.33
MW013-D		**28 Feb 2024**	0.02	<0.05	<0.01	0.10	0.1	0.12	0.12
MW018		**27 Oct 2023**	0.22	<0.05	0.02	0.08	0.1	0.32	0.3
MW018		**28 Feb 2024**	0.20	<0.05	0.02	0.09	0.11	0.31	0.29
MW022		**27 Oct 2023**	0.02	<0.05	0.03	0.05	0.08	0.1	0.07
MW025		**27 Oct 2023**	0.01	<0.05	0.03	0.04	0.07	0.08	0.05
MW025		**28 Feb 2024**	<0.01	<0.05	0.03	0.04	0.07	0.07	0.04
MW026		**26 Oct 2023**	0.08	<0.05	0.52	0.15	0.67	0.75	0.23
MW026		**27 Feb 2024**	0.08	<0.05	0.04	0.12	0.16	0.24	0.2
MW027		**26 Oct 2023**	0.10	<0.05	0.03	0.03	0.06	0.16	0.13
MW027		**28 Feb 2024**	0.10	<0.05	0.03	0.03	0.06	0.16	0.13
MW028		**28 Feb 2024**	0.01	<0.05	0.02	0.01	0.03	0.04	0.02
MW101-D		**27 Oct 2023**	0.02	<0.05	0.06	0.09	0.15	0.17	0.11
MW101-D		**27 Feb 2024**	0.03	<0.05	0.07	0.11	0.18	0.21	0.14

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water
2013, NEPM 2013 Table 1C GILs, Drinking Water
2013, NEPM 2013 Table 1C GILs, Fresh Waters
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt

						Identification of Asbestos in Soils							Asbestos Quantification						Eurofins AID					
						Asbestos Detected	Asbestos Type	Asbestos (Trace)	weight of sample	Synthetic Mineral Fibre	Organic Fibre	Approved Identifier	Asbestos (<7mm AF/FA)	Asbestos (ACM >7mm) Estimation	Asbestos Containing Material	Asbestos Containing Material (as 15% Asbestos in ACM >7mm)	Friable Asbestos (FA & AF)	Weight Used for % Calculation	Asbestos Detected	Asbestos Type	Approximate raw weight of asbestos containing material	Total estimated esbestos content in the sample	Total estimated asbestos concentration	Asbestos detected at reporting limit of 0.01% w/w
								-	g	-			g	g	g	% (w/w)	%w/w	kg			g	g	% w/w	
EQL									0.1	0.01			0.0004	0.0004	0.1	0.01	0.001					0.1		0.1
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																0.05	0.001							
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																0.02	0.001							
NEPM 2013 Table 7 Res B HSL for Asbestos in Soil																0.04	0.001							
NEPM 2013 Table 7 Res A HSL for Asbestos in Soil																0.01	0.001							
Lab Report Number	**Lab Name**	**Field ID**	**Date**	**Depth**	**Matrix Type**																			
1030813	Eurofins Environment ANZ	CPR_TP12_0.3-0.4	28 Sep 2023	0.3 - 0.4	Soil																			No
1030813	Eurofins Environment ANZ	CPR_TP14_0.6-0.8	28 Sep 2023	0.6 - 0.8	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP16_0.2-0.4	28 Sep 2023	0.2 - 0.4	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP16_1.2-1.4	28 Sep 2023	1.2 - 1.4	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP17_0.3-0.4	28 Sep 2023	0.3 - 0.4	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP18_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP19_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP19_1.0-1.2	28 Sep 2023	1 - 1.2	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP20_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP21_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP22_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP23_0.6-0.7	26 Sep 2023	0.6 - 0.7	Soil														Yes	Ch + Am + Cr	0.10	0.016	0.0025	No
1030813	Eurofins Environment ANZ	CPR_TP23_1.8-1.9	26 Sep 2023	1.8 - 1.9	Soil														Yes	Ch	0.003	0.0027	0.00052	No
1030813	Eurofins Environment ANZ	CPR_TP24_0.2-0.4	25 Sep 2023	0.2 - 0.4	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP25_0.8-0.9	25 Sep 2023	0.8 - 0.9	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP25_1.8-1.9	25 Sep 2023	1.8 - 1.9	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP26_0.9-1.0	25 Sep 2023	0.9 - 1	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP26_1.1-1.2	25 Sep 2023	1.1 - 1.2	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP27_0.7-0.8	26 Sep 2023	0.7 - 0.8	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP27_1.9-2.0	26 Sep 2023	1.9 - 2	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP28_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP28_1.0-1.1	26 Sep 2023	1 - 1.1	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP29_0.3-0.4	27 Sep 2023	0.3 - 0.4	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP29_0.6-0.8	27 Sep 2023	0.6 - 0.8	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP30_0.25-0.35	27 Sep 2023	0.25 - 0.35	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP36_0.3-0.4	27 Sep 2023	0.3 - 0.4	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP37_0.2-0.4	27 Sep 2023	0.2 - 0.4	Soil														No					No
1030813	Eurofins Environment ANZ	CPR_TP38_0.3-0.5	27 Sep 2023	0.3 - 0.5	Soil														No					No
1032098	Eurofins Environment ANZ	CPR-TP09-0.2-0.3	04 Oct 2023	0.2-0.3	Soil														No					No
1032098	Eurofins Environment ANZ	CPR-TP09-0.7-0.8	04 Oct 2023	0.7-0.8	Soil														No					No
1032098	Eurofins Environment ANZ	CPR-TP11-0.3-0.4	04 Oct 2023	0.3-0.4	Soil														No					No
1032098	Eurofins Environment ANZ	CPR-TP11-1.2-1.3	04 Oct 2023	1.2-1.3	Soil														No					No
1032098	Eurofins Environment ANZ	CPR-TP13-0.4-0.5	04 Oct 2023	0.4-0.5	Soil														No					No
1032098	Eurofins Environment ANZ	CPR-TP15-0.3-0.4	04 Oct 2023	0.3-0.4	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP02_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP02_0.4-0.5	19 Oct 2023	0.4 - 0.5	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP03_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP04_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP04_0.3-0.4	19 Oct 2023	0.3 - 0.4	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP05_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP06_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP08_0.3-0.5	17 Oct 2023	0.3 - 0.5	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP08_0.7-0.9	17 Oct 2023	0.7 - 0.9	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP10_0.3-0.5	17 Oct 2023	0.3 - 0.5	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP31_0.6-0.8	17 Oct 2023	0.6 - 0.8	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP31_0.9-1.1	17 Oct 2023	0.9 - 1.1	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP32_0.25-0.35	19 Oct 2023	0.25 - 0.35	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP33_0.2-0.4	17 Oct 2023	0.2 - 0.4	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP33_0.4-0.6	17 Oct 2023	0.4 - 0.6	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP34_0.25-0.35	18 Oct 2023	0.25 - 0.35	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP35_0.4-0.6P	18 Oct 2023	0.4 - 0.6	Soil														Yes	Ch + Am				-
1037052	Eurofins Environment ANZ	CPR_TP35_0.4-0.6S	18 Oct 2023	0.4 - 0.6	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP40_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP40_0.5-0.7	18 Oct 2023	0.5 - 0.7	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP41_0.4-0.5	18 Oct 2023	0.4 - 0.5	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP41_0.4-0.5P	18 Oct 2023	0.4 - 0.5	Soil														Yes	Ch				-
1037052	Eurofins Environment ANZ	CPR_TP41_0.7-0.8	18 Oct 2023	0.7 - 0.8	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP41_0.9-1.0	18 Oct 2023	0.9 - 1	Soil																			
1037052	Eurofins Environment ANZ	CPR_TP42_0.3-0.4	18 Oct 2023	0.3 - 0.4	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP42_0.6-0.7	18 Oct 2023	0.6 - 0.7	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP43_0.3-0.4	18 Oct 2023	0.3 - 0.4	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP43_0.45-0.55	18 Oct 2023	0.45 - 0.55	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP44_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP44_0.5-0.6	18 Oct 2023	0.5 - 0.6	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP45_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP45_0.4-0.5	18 Oct 2023	0.4 - 0.5	Soil																			
1037052	Eurofins Environment ANZ	CPR_TP46_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil														No					No
1037052	Eurofins Environment ANZ	CPR_TP46_0.4-0.5	18 Oct 2023	0.4 - 0.5	Soil														No					No
1038242	Eurofins Environment ANZ	CPR_TP01_0.3-0.4	20 Oct 2023	0.3 - 0.4	Soil														No					No
1038242	Eurofins Environment ANZ	CPR_TP01_0.15-0.2	20 Oct 2023	0.15 - 0.2	Soil														No					No
1038242	Eurofins Environment ANZ	CPR_TP07_0.2-0.4	20 Oct 2023	0.2 - 0.4	Soil														No					No
1038242	Eurofins Environment ANZ	CPR_TP07_0.4-0.6	20 Oct 2023	0.4 - 0.6	Soil														No					No

						Organic fibre detected	Trace asbestos detected	Other
EQL						0.1		
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil								
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil								
NEPM 2013 Table 7 Res B HSL for Asbestos in Soil								
NEPM 2013 Table 7 Res A HSL for Asbestos in Soil								
Lab Report Number	**Lab Name**	**Field ID**	**Date**	**Depth**	**Matrix Type**			
1030813	**Eurofins Environment ANZ**	**CPR_TP12_0.3-0.4**	**28 Sep 2023**	**0.3 - 0.4**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP14_0.6-0.8**	**28 Sep 2023**	**0.6 - 0.8**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP16_0.2-0.4**	**28 Sep 2023**	**0.2 - 0.4**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP16_1.2-1.4**	**28 Sep 2023**	**1.2 - 1.4**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP17_0.3-0.4**	**28 Sep 2023**	**0.3 - 0.4**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP18_0.3-0.5**	**28 Sep 2023**	**0.3 - 0.5**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP19_0.3-0.5**	**28 Sep 2023**	**0.3 - 0.5**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP19_1.0-1.2**	**28 Sep 2023**	**1 - 1.2**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP20_0.3-0.5**	**28 Sep 2023**	**0.3 - 0.5**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP21_0.4-0.5**	**26 Sep 2023**	**0.4 - 0.5**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP22_0.4-0.5**	**26 Sep 2023**	**0.4 - 0.5**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**26 Sep 2023**	**0.6 - 0.7**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP23_1.8-1.9**	**26 Sep 2023**	**1.8 - 1.9**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP24_0.2-0.4**	**25 Sep 2023**	**0.2 - 0.4**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP25_0.8-0.9**	**25 Sep 2023**	**0.8 - 0.9**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP25_1.8-1.9**	**25 Sep 2023**	**1.8 - 1.9**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP26_0.9-1.0**	**25 Sep 2023**	**0.9 - 1**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP26_1.1-1.2**	**25 Sep 2023**	**1.1 - 1.2**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP27_0.7-0.8**	**26 Sep 2023**	**0.7 - 0.8**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP27_1.9-2.0**	**26 Sep 2023**	**1.9 - 2**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP28_0.4-0.5**	**26 Sep 2023**	**0.4 - 0.5**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**26 Sep 2023**	**1 - 1.1**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP29_0.3-0.4**	**27 Sep 2023**	**0.3 - 0.4**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP29_0.6-0.8**	**27 Sep 2023**	**0.6 - 0.8**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP30_0.25-0.35**	**27 Sep 2023**	**0.25 - 0.35**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP36_0.3-0.4**	**27 Sep 2023**	**0.3 - 0.4**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP37_0.2-0.4**	**27 Sep 2023**	**0.2 - 0.4**	**Soil**	Yes	No	
1030813	**Eurofins Environment ANZ**	**CPR_TP38_0.3-0.5**	**27 Sep 2023**	**0.3 - 0.5**	**Soil**	Yes	No	
1032098	**Eurofins Environment ANZ**	**CPR-TP09-0.2-0.3**	**04 Oct 2023**	**0.2-0.3**	**Soil**	Yes	No	
1032098	**Eurofins Environment ANZ**	**CPR-TP09-0.7-0.8**	**04 Oct 2023**	**0.7-0.8**	**Soil**	Yes	No	
1032098	**Eurofins Environment ANZ**	**CPR-TP11-0.3-0.4**	**04 Oct 2023**	**0.3-0.4**	**Soil**	Yes	No	
1032098	**Eurofins Environment ANZ**	**CPR-TP11-1.2-1.3**	**04 Oct 2023**	**1.2-1.3**	**Soil**	Yes	No	
1032098	**Eurofins Environment ANZ**	**CPR-TP13-0.4-0.5**	**04 Oct 2023**	**0.4-0.5**	**Soil**	Yes	No	
1032098	**Eurofins Environment ANZ**	**CPR-TP15-0.3-0.4**	**04 Oct 2023**	**0.3-0.4**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP02_0.2-0.3**	**19 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP02_0.4-0.5**	**19 Oct 2023**	**0.4 - 0.5**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**19 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP04_0.2-0.3**	**19 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP04_0.3-0.4**	**19 Oct 2023**	**0.3 - 0.4**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP05_0.2-0.3**	**19 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP06_0.2-0.3**	**19 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.3-0.5**	**17 Oct 2023**	**0.3 - 0.5**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.9**	**17 Oct 2023**	**0.7 - 0.9**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP10_0.3-0.5**	**17 Oct 2023**	**0.3 - 0.5**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP31_0.6-0.8**	**17 Oct 2023**	**0.6 - 0.8**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP31_0.9-1.1**	**17 Oct 2023**	**0.9 - 1.1**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP32_0.25-0.35**	**19 Oct 2023**	**0.25 - 0.35**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.2-0.4**	**17 Oct 2023**	**0.2 - 0.4**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**17 Oct 2023**	**0.4 - 0.6**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP34_0.25-0.35**	**18 Oct 2023**	**0.25 - 0.35**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP35_0.4-0.6P**	**18 Oct 2023**	**0.4 - 0.6**	**Soil**	-	-	
1037052	**Eurofins Environment ANZ**	**CPR_TP35_0.4-0.6S**	**18 Oct 2023**	**0.4 - 0.6**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.5-0.7**	**18 Oct 2023**	**0.5 - 0.7**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.4-0.5**	**18 Oct 2023**	**0.4 - 0.5**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.4-0.5P**	**18 Oct 2023**	**0.4 - 0.5**	**Soil**	-	-	
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	**0.7 - 0.8**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.9-1.0**	**18 Oct 2023**	**0.9 - 1**	**Soil**			
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.3-0.4**	**18 Oct 2023**	**0.3 - 0.4**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.6-0.7**	**18 Oct 2023**	**0.6 - 0.7**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.3-0.4**	**18 Oct 2023**	**0.3 - 0.4**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.45-0.55**	**18 Oct 2023**	**0.45 - 0.55**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.2-0.3**	**18 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.5-0.6**	**18 Oct 2023**	**0.5 - 0.6**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.2-0.3**	**18 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.4-0.5**	**18 Oct 2023**	**0.4 - 0.5**	**Soil**			
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.2-0.3**	**18 Oct 2023**	**0.2 - 0.3**	**Soil**	Yes	No	
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.4-0.5**	**18 Oct 2023**	**0.4 - 0.5**	**Soil**	Yes	No	
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.3-0.4**	**20 Oct 2023**	**0.3 - 0.4**	**Soil**	Yes	No	
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.15-0.2**	**20 Oct 2023**	**0.15 - 0.2**	**Soil**	Yes	No	
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.2-0.4**	**20 Oct 2023**	**0.2 - 0.4**	**Soil**	Yes	No	
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.4-0.6**	**20 Oct 2023**	**0.4 - 0.6**	**Soil**	Yes	No	

						Identification of Asbestos in Soils							Asbestos Quantification						Eurofins AID					
						Asbestos Detected	Asbestos Type	Asbestos (Trace)	weight of sample	Synthetic Mineral Fibre	Organic Fibre	Approved Identifier	Asbestos (<7mm AF/FA)	Asbestos (ACM >7mm) Estimation	Asbestos Containing Material	Asbestos Containing Material (as 15% Asbestos in ACM >7mm)	Friable Asbestos (FA & AF)	Weight Used for % Calculation	Asbestos Detected	Asbestos Type	Approximate raw weight of asbestos containing material	Total estimated esbestos content in the sample	Total estimated asbestos concentration	Asbestos detected at reporting limit of 0.01% w/w
								-	g	-			g	g	g	% (w/w)	%w/w	kg			g	g	% w/w	
1038242	Eurofins Environment ANZ	CPR_TP07_0.4-0.6P	20 Oct 2023	0.4 - 0.6	Soil														Yes	Ch + Am				-
1038242	Eurofins Environment ANZ	CPR_TP39_0.7-0.9	20 Oct 2023	0.7 - 0.9	Soil														No					No
1038242	Eurofins Environment ANZ	CPR_TP39_0.15-0.2	20 Oct 2023	0.15 - 0.2	Soil														No					No
EN2310199	ALSE-Newcastle	CPR_TP09_0.2-0.3	04 Oct 2023	0.2 - 0.3	Soil	No		No	13,000	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	13.0						
EN2310199	ALSE-Newcastle	CPR_TP09_0.7-0.8	04 Oct 2023	0.7 - 0.8	Soil	No		No	9,260	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	9.26						
EN2310199	ALSE-Newcastle	CPR_TP11_0.3-0.4	04 Oct 2023	0.3 - 0.4	Soil	No		No	8,130	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	8.13						
EN2310199	ALSE-Newcastle	CPR_TP11_1.2-1.3	04 Oct 2023	1.2 - 1.3	Soil	No		No	14,100	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	14.1						
EN2310199	ALSE-Newcastle	CPR_TP13_0.4-0.5	04 Oct 2023	0.4 - 0.5	Soil	No		No	9,390	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	9.39						
EN2310199	ALSE-Newcastle	CPR_TP15_0.3-0.4	04 Oct 2023	0.3 - 0.4	Soil	No		No	13,500	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	13.5						
ES2333386	ALSE-Sydney	CPR_TP14_0.6-0.8	28 Sep 2023	0.6 - 0.8	Soil	No		No	15,200	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	15.2						
ES2333386	ALSE-Sydney	CPR_TP16_0.2-0.4	28 Sep 2023	0.2 - 0.4	Soil	No		No	9,550	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	9.55						
ES2333386	ALSE-Sydney	CPR_TP16_1.2-1.4	28 Sep 2023	1.2 - 1.4	Soil	No		No	14,900	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	14.9						
ES2333386	ALSE-Sydney	CPR_TP17_0.3-0.4	28 Sep 2023	0.3 - 0.4	Soil	No		No	11,300	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	11.3						
ES2333386	ALSE-Sydney	CPR_TP18_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil	No		No	12,000	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	12.0						
ES2333386	ALSE-Sydney	CPR_TP19_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil	No		No	10,500	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.5						
ES2333386	ALSE-Sydney	CPR_TP19_1.0-1.2	28 Sep 2023	1 - 1.2	Soil	No		No	10,400	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.4						
ES2333386	ALSE-Sydney	CPR_TP20_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil	No		No	11,000	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	11.0						
ES2333386	ALSE-Sydney	CPR_TP21_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil	No		No	16,900	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	16.9						
ES2333386	ALSE-Sydney	CPR_TP22_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil	Yes	Ch	No	19,200	No	No	Alana Smylie	<0.0004	<0.0004	17.0	0.01	<0.001	19.2						
ES2333386	ALSE-Sydney	CPR_TP23_0.6-0.7	26 Sep 2023	0.6 - 0.7	Soil	No		No	17,700	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	17.7						
ES2333386	ALSE-Sydney	CPR_TP23_1.8-1.9	26 Sep 2023	1.8 - 1.9	Soil	Yes	Ch + Am + Cr	No	14,400	No	No	Alana Smylie	<0.0004	<0.0004	12.0	0.01	<0.001	14.4						
ES2333386	ALSE-Sydney	CPR_TP24_0.2-0.4	25 Sep 2023	0.2 - 0.4	Soil	No		No	11,000	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	11.0						
ES2333386	ALSE-Sydney	CPR_TP25_0.8-0.9	25 Sep 2023	0.8 - 0.9	Soil	No		No	10,500	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.5						
ES2333386	ALSE-Sydney	CPR_TP25_1.8-1.9	25 Sep 2023	1.8 - 1.9	Soil	No		No	8,700	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	8.70						
ES2333386	ALSE-Sydney	CPR_TP26_0.9-1.0	25 Sep 2023	0.9 - 1	Soil	No		No	10,700	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.7						
ES2333386	ALSE-Sydney	CPR_TP26_1.1-1.2	25 Sep 2023	1.1 - 1.2	Soil	No		No	9,250	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	9.25						
ES2333386	ALSE-Sydney	CPR_TP27_0.7-0.8	26 Sep 2023	0.7 - 0.8	Soil	No		No	20,100	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	20.1						
ES2333386	ALSE-Sydney	CPR_TP27_1.9-2.0	26 Sep 2023	1.9 - 2	Soil	No		No	15,900	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	15.9						
ES2333386	ALSE-Sydney	CPR_TP28_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil	Yes	Ch	No	18,000	No	No	Alana Smylie	<0.0004	<0.0004	21.0	0.02	<0.001	18.0						
ES2333386	ALSE-Sydney	CPR_TP28_1.0-1.1	26 Sep 2023	1 - 1.1	Soil	No		No	19,000	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	19.0						
ES2333386	ALSE-Sydney	CPR_TP29_0.3-0.4	27 Sep 2023	0.3 - 0.4	Soil	No		No	10,000	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.0						
ES2333386	ALSE-Sydney	CPR_TP29_0.6-0.8	27 Sep 2023	0.6 - 0.8	Soil	No		No	13,000	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	13.0						
ES2333386	ALSE-Sydney	CPR_TP30_0.25-0.35	27 Sep 2023	0.25 - 0.35	Soil	No		No	10,900	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.9						
ES2333386	ALSE-Sydney	CPR_TP36_0.3-0.4	27 Sep 2023	0.3 - 0.4	Soil	No		No	17,700	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	17.7						
ES2333386	ALSE-Sydney	CPR_TP37_0.2-0.4	27 Sep 2023	0.2 - 0.4	Soil	No		No	15,400	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	15.4						
ES2333386	ALSE-Sydney	CPR_TP38_0.3-0.5	27 Sep 2023	0.3 - 0.5	Soil	No		No	18,900	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	18.9						
ES2336126	ALSE-Sydney	CPR_TP02_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil	No		No	7,950	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.95						
ES2336126	ALSE-Sydney	CPR_TP02_0.4-0.5	19 Oct 2023	0.4 - 0.5	Soil	No		No	6,220	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	6.22						
ES2336126	ALSE-Sydney	CPR_TP03_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil	No		No	9,920	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	9.92						
ES2336126	ALSE-Sydney	CPR_TP04_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil	No		No	12,600	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	12.6						
ES2336126	ALSE-Sydney	CPR_TP04_0.3-0.4	19 Oct 2023	0.3 - 0.4	Soil	No		No	5,780	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	5.78						
ES2336126	ALSE-Sydney	CPR_TP05_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil	No		No	8,730	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	8.73						
ES2336126	ALSE-Sydney	CPR_TP06_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil	No		No	8,160	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	8.16						
ES2336126	ALSE-Sydney	CPR_TP08_0.3-0.5	17 Oct 2023	0.3 - 0.5	Soil	No		No	7,890	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.89						
ES2336126	ALSE-Sydney	CPR_TP08_0.7-0.9	17 Oct 2023	0.7 - 0.9	Soil	No		No	10,100	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.1						
ES2336126	ALSE-Sydney	CPR_TP10_0.3-0.5	17 Oct 2023	0.3 - 0.5	Soil	No		No	7,770	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.77						
ES2336126	ALSE-Sydney	CPR_TP31_0.6-0.8	17 Oct 2023	0.6 - 0.8	Soil	No		No	7,280	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.28						
ES2336126	ALSE-Sydney	CPR_TP31_0.9-1.1	17 Oct 2023	0.9 - 1.1	Soil	No		No	7,570	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.57						
ES2336126	ALSE-Sydney	CPR_TP32_0.25-0.35	19 Oct 2023	0.25 - 0.35	Soil	No		No	10,300	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.3						
ES2336126	ALSE-Sydney	CPR_TP33_0.2-0.4	17 Oct 2023	0.2 - 0.4	Soil	No		No	7,850	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.85						
ES2336126	ALSE-Sydney	CPR_TP33_0.4-0.6	17 Oct 2023	0.4 - 0.6	Soil	No		No	8,140	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	8.14						
ES2336126	ALSE-Sydney	CPR_TP34_0.25-0.35	17 Oct 2023	0.25 - 0.35	Soil	No		No	6,350	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	6.35						
ES2336126	ALSE-Sydney	CPR_TP35_0.4-0.6S	17 Oct 2023	0.4-0.6	Soil	No		No	4,690	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	4.69						
ES2336126	ALSE-Sydney	CPR_TP40_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil	Yes	Ch	No	8,620	No	No	J Williams	<0.0004	<0.0004	7.0	0.01	<0.001	8.62						
ES2336126	ALSE-Sydney	CPR_TP40_0.5-0.7	18 Oct 2023	0.5 - 0.7	Soil	No		No	7,410	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.41						
ES2336126	ALSE-Sydney	CPR_TP41_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil	No		No	6,980	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	6.98						
ES2336126	ALSE-Sydney	CPR_TP41_0.7-0.8	18 Oct 2023	0.7 - 0.8	Soil	No		No	5,230	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	5.23						
ES2336126	ALSE-Sydney	CPR_TP42_0.3-0.4	18 Oct 2023	0.3 - 0.4	Soil	No		No	10,200	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.2						
ES2336126	ALSE-Sydney	CPR_TP42_0.6-0.7	18 Oct 2023	0.6 - 0.7	Soil	No		No	10,100	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.1						
ES2336126	ALSE-Sydney	CPR_TP43_0.3-0.4	18 Oct 2023	0.3 - 0.4	Soil	No		No	6,720	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	6.72						
ES2336126	ALSE-Sydney	CPR_TP43_0.45-0.55	18 Oct 2023	0.45 - 0.55	Soil	No		No	8,390	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	8.39						
ES2336126	ALSE-Sydney	CPR_TP44_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil	No		No	9,870	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	9.87						
ES2336126	ALSE-Sydney	CPR_TP44_0.5-0.6	18 Oct 2023	0.5 - 0.6	Soil	No		No	7,130	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.13						
ES2336126	ALSE-Sydney	CPR_TP45_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil	No		No	11,700	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	11.7						
ES2336126	ALSE-Sydney	CPR_TP45_0.4-0.5	18 Oct 2023	0.4 - 0.5	Soil	No		No	10,100	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	10.1						
ES2336126	ALSE-Sydney	CPR_TP46_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil	No		No	12,600	No	No	J Williams	<0.0004	<0.0004	<0.1	<0.01	<0.001	12.6						
ES2336126	ALSE-Sydney	CPR_TP46_0.4-0.5	18 Oct 2023	0.4 - 0.5	Soil	No		No	7,580	No	No	Alana Smylie	<0.0004	<0.0004	<0.1	<0.01	<0.001	7.58						

						Organic fibre detected	Trace asbestos detected	Other
1038242	Eurofins Environment ANZ	CPR_TP07_0.4-0.6P	20 Oct 2023	0.4 - 0.6	Soil	-	-	
1038242	Eurofins Environment ANZ	CPR_TP39_0.7-0.9	20 Oct 2023	0.7 - 0.9	Soil	Yes	No	
1038242	Eurofins Environment ANZ	CPR_TP39_0.15-0.2	20 Oct 2023	0.15 - 0.2	Soil	Yes	No	
EN2310199	ALSE-Newcastle	CPR_TP09_0.2-0.3	04 Oct 2023	0.2 - 0.3	Soil			
EN2310199	ALSE-Newcastle	CPR_TP09_0.7-0.8	04 Oct 2023	0.7 - 0.8	Soil			
EN2310199	ALSE-Newcastle	CPR_TP11_0.3-0.4	04 Oct 2023	0.3 - 0.4	Soil			
EN2310199	ALSE-Newcastle	CPR_TP11_1.2-1.3	04 Oct 2023	1.2 - 1.3	Soil			
EN2310199	ALSE-Newcastle	CPR_TP13_0.4-0.5	04 Oct 2023	0.4 - 0.5	Soil			
EN2310199	ALSE-Newcastle	CPR_TP15_0.3-0.4	04 Oct 2023	0.3 - 0.4	Soil			
ES2333386	ALSE-Sydney	CPR_TP14_0.6-0.8	28 Sep 2023	0.6 - 0.8	Soil			
ES2333386	ALSE-Sydney	CPR_TP16_0.2-0.4	28 Sep 2023	0.2 - 0.4	Soil			
ES2333386	ALSE-Sydney	CPR_TP16_1.2-1.4	28 Sep 2023	1.2 - 1.4	Soil			
ES2333386	ALSE-Sydney	CPR_TP17_0.3-0.4	28 Sep 2023	0.3 - 0.4	Soil			
ES2333386	ALSE-Sydney	CPR_TP18_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil			
ES2333386	ALSE-Sydney	CPR_TP19_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil			
ES2333386	ALSE-Sydney	CPR_TP19_1.0-1.2	28 Sep 2023	1 - 1.2	Soil			
ES2333386	ALSE-Sydney	CPR_TP20_0.3-0.5	28 Sep 2023	0.3 - 0.5	Soil			
ES2333386	ALSE-Sydney	CPR_TP21_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil			
ES2333386	ALSE-Sydney	CPR_TP22_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil			
ES2333386	ALSE-Sydney	CPR_TP23_0.6-0.7	26 Sep 2023	0.6 - 0.7	Soil			
ES2333386	ALSE-Sydney	CPR_TP23_1.8-1.9	26 Sep 2023	1.8 - 1.9	Soil			
ES2333386	ALSE-Sydney	CPR_TP24_0.2-0.4	25 Sep 2023	0.2 - 0.4	Soil			
ES2333386	ALSE-Sydney	CPR_TP25_0.8-0.9	25 Sep 2023	0.8 - 0.9	Soil			
ES2333386	ALSE-Sydney	CPR_TP25_1.8-1.9	25 Sep 2023	1.8 - 1.9	Soil			
ES2333386	ALSE-Sydney	CPR_TP26_0.9-1.0	25 Sep 2023	0.9 - 1	Soil			
ES2333386	ALSE-Sydney	CPR_TP26_1.1-1.2	25 Sep 2023	1.1 - 1.2	Soil			
ES2333386	ALSE-Sydney	CPR_TP27_0.7-0.8	26 Sep 2023	0.7 - 0.8	Soil			
ES2333386	ALSE-Sydney	CPR_TP27_1.9-2.0	26 Sep 2023	1.9 - 2	Soil			
ES2333386	ALSE-Sydney	CPR_TP28_0.4-0.5	26 Sep 2023	0.4 - 0.5	Soil			
ES2333386	ALSE-Sydney	CPR_TP28_1.0-1.1	26 Sep 2023	1 - 1.1	Soil			
ES2333386	ALSE-Sydney	CPR_TP29_0.3-0.4	27 Sep 2023	0.3 - 0.4	Soil			
ES2333386	ALSE-Sydney	CPR_TP29_0.6-0.8	27 Sep 2023	0.6 - 0.8	Soil			
ES2333386	ALSE-Sydney	CPR_TP30_0.25-0.35	27 Sep 2023	0.25 - 0.35	Soil			
ES2333386	ALSE-Sydney	CPR_TP36_0.3-0.4	27 Sep 2023	0.3 - 0.4	Soil			
ES2333386	ALSE-Sydney	CPR_TP37_0.2-0.4	27 Sep 2023	0.2 - 0.4	Soil			
ES2333386	ALSE-Sydney	CPR_TP38_0.3-0.5	27 Sep 2023	0.3 - 0.5	Soil			
ES2336126	ALSE-Sydney	CPR_TP02_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP02_0.4-0.5	19 Oct 2023	0.4 - 0.5	Soil			
ES2336126	ALSE-Sydney	CPR_TP03_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP04_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP04_0.3-0.4	19 Oct 2023	0.3 - 0.4	Soil			
ES2336126	ALSE-Sydney	CPR_TP05_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP06_0.2-0.3	19 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP08_0.3-0.5	17 Oct 2023	0.3 - 0.5	Soil			
ES2336126	ALSE-Sydney	CPR_TP08_0.7-0.9	17 Oct 2023	0.7 - 0.9	Soil			
ES2336126	ALSE-Sydney	CPR_TP10_0.3-0.5	17 Oct 2023	0.3 - 0.5	Soil			
ES2336126	ALSE-Sydney	CPR_TP31_0.6-0.8	17 Oct 2023	0.6 - 0.8	Soil			
ES2336126	ALSE-Sydney	CPR_TP31_0.9-1.1	17 Oct 2023	0.9 - 1.1	Soil			
ES2336126	ALSE-Sydney	CPR_TP32_0.25-0.35	19 Oct 2023	0.25 - 0.35	Soil			
ES2336126	ALSE-Sydney	CPR_TP33_0.2-0.4	17 Oct 2023	0.2 - 0.4	Soil			
ES2336126	ALSE-Sydney	CPR_TP33_0.4-0.6	17 Oct 2023	0.4 - 0.6	Soil			
ES2336126	ALSE-Sydney	CPR_TP34_0.25-0.35	17 Oct 2023	0.25 - 0.35	Soil			
ES2336126	ALSE-Sydney	CPR_TP35_0.4-0.6S	17 Oct 2023	0.4-0.6	Soil			
ES2336126	ALSE-Sydney	CPR_TP40_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP40_0.5-0.7	18 Oct 2023	0.5 - 0.7	Soil			
ES2336126	ALSE-Sydney	CPR_TP41_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP41_0.7-0.8	18 Oct 2023	0.7 - 0.8	Soil			
ES2336126	ALSE-Sydney	CPR_TP42_0.3-0.4	18 Oct 2023	0.3 - 0.4	Soil			
ES2336126	ALSE-Sydney	CPR_TP42_0.6-0.7	18 Oct 2023	0.6 - 0.7	Soil			
ES2336126	ALSE-Sydney	CPR_TP43_0.3-0.4	18 Oct 2023	0.3 - 0.4	Soil			
ES2336126	ALSE-Sydney	CPR_TP43_0.45-0.55	18 Oct 2023	0.45 - 0.55	Soil			
ES2336126	ALSE-Sydney	CPR_TP44_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP44_0.5-0.6	18 Oct 2023	0.5 - 0.6	Soil			
ES2336126	ALSE-Sydney	CPR_TP45_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP45_0.4-0.5	18 Oct 2023	0.4 - 0.5	Soil			
ES2336126	ALSE-Sydney	CPR_TP46_0.2-0.3	18 Oct 2023	0.2 - 0.3	Soil			
ES2336126	ALSE-Sydney	CPR_TP46_0.4-0.5	18 Oct 2023	0.4 - 0.5	Soil			

					BTEX							TRH							Phenols																Other			
					Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	3&4-Methylphenol (m&p-cresol)	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexylphenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Tetrachlorophenols	Phenol	Phenols(Total Halogenated)	Phenols(Total Non Halogenated)	Actif (kuvpii)	Chlorinated hydrocarbons (PAVIc	Other chlorinated hydrocarbons (PAVIc	1,1,1,2-tetrachloroethane
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.5	0.1	0.1	0.1	0.2	0.1	0.3	20	20	50	50	100	100	100	0.4	1	1	0.5	0.5	5	0.5	0.5	0.2	1	0.5	20	1	5	0.5	1	10	0.5	1	20	0.5	0.5	0.5	0.5
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil												700		1,000		3,500	10,000																							
PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)																																								
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand					3	0.5 | 0.5 | 0.5 | 0.5	160 | 220 | 310 | 540	55			40 | 60 | 95 | 170		45 | 70 | 110 | 200		110 | 240 | 440																									
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space					170																																			
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil						50	85	70			105		180	120	120	300	2,800																							
NEPM 2013 Table 1A(1) HILs Res A Soil																																		400	100		3,000				
Lab Report Number	**Lab Name**	**Field ID**	**Date**	**Matrix Type**																																				
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.3-0.4**	**20 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	150	340	490	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	0.7	0.7	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP05_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.4-0.6**	**20 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	160	160	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.9**	**17 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	0.6	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	0.6	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP10_0.3-0.5**	**17 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP12_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP14_0.6-0.8**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP16_0.2-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP17_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP20_0.3-0.5**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP21_0.4-0.5**	**26 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.7	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**26 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	530	600	1,130	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.6	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP24_0.2-0.4**	**25 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP26_1.1-1.2**	**25 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.7	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**26 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.7	<1	<20	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP30_0.25-0.35**	**27 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.7	<1	<20	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**17 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	510	170	680	0.7	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	0.7	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP34_0.25-0.35**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
		Ausgrid Building																																						
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																								
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.5-0.7**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	110	110																						1.1	1.1	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																						0.5	0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.9-1.0**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																								
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																						<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.6-0.7**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																								
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																							<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.5-0.6**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																								
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																								
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.4-0.5**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																						<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																						<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.4-0.5**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	130	<100	130																								

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
HEPA, January 2020, PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)
HEPA, January 2020, PFAS NEMP 2020 Residential with minimal opportunities for soil access (HIL B)
2013, NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Res A Soil
2013, NEPM 2013 Table 1A(1) HILs Res B Soil

					Chlorinated Hydrocarbons																								Explosives		Halogenated Benzenes							Halogenated Hydrocarbons			
					1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	2,4-Dinitrotoluene	Nitrobenzene	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.5	0.5	0.5	0.5
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																									
PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)																																									
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																																									
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																									
NEPM 2013 Table 1A(1) HILs Res A Soil																																									10
Lab Report Number	**Lab Name**	**Field ID**	**Date**	**Matrix Type**																																					
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.3-0.4**	**20 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP05_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.4-0.6**	**20 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.9**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP10_0.3-0.5**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP12_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP14_0.6-0.8**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP16_0.2-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP17_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP20_0.3-0.5**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP21_0.4-0.5**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP24_0.2-0.4**	**25 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP26_1.1-1.2**	**25 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP30_0.25-0.35**	**27 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP34_0.25-0.35**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Ausgrid Building																																								
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	**Soil**																																					
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.5-0.7**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.9-1.0**	**18 Oct 2023**	**Soil**																																					
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.6-0.7**	**18 Oct 2023**	**Soil**																																					
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.5-0.6**	**18 Oct 2023**	**Soil**																																					
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.2-0.3**	**18 Oct 2023**	**Soil**																																					
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.4-0.5**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.4-0.5**	**18 Oct 2023**	**Soil**																																					

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
HEPA, January 2020, PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)
HEPA, January 2020, PFAS NEMP 2020 Residential with minimal opportunities for soil access (HIL B)
2013, NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Res A Soil
2013, NEPM 2013 Table 1A(1) HILs Res B Soil

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| | | | | | Organophosphorous Pesticides | | | | | | | | | | | | | | | | | | PAH | | | | | | | | | | | | | | | | | |

	PCBs						Pesticides		Phthalates						Solvents					TPH				
	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Parathion	Pirimiphos-methyl	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	20	20	50	50	50
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																								
PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)																								
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																								
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																								
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																								
NEPM 2013 Table 1A(1) HILs Res A Soil						1																		
Lab Report Number	**Lab Name**	**Field ID**	**Date**	**Matrix Type**																				
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.3-0.4**	**20 Oct 2023**	**Soil**							<0.2	<0.2	9.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	51	170	221
1037052	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**19 Oct 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP05_0.2-0.3**	**19 Oct 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.4-0.6**	**20 Oct 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	27	<50	120	147
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.9**	**17 Oct 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	<50	51	51
1037052	**Eurofins Environment ANZ**	**CPR_TP10_0.3-0.5**	**17 Oct 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP12_0.3-0.4**	**28 Sep 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	52	<50	52
1030813	**Eurofins Environment ANZ**	**CPR_TP14_0.6-0.8**	**28 Sep 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP16_0.2-0.4**	**28 Sep 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP17_0.3-0.4**	**28 Sep 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP20_0.3-0.5**	**28 Sep 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP21_0.4-0.5**	**26 Sep 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**26 Sep 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	210	480	690
1030813	**Eurofins Environment ANZ**	**CPR_TP24_0.2-0.4**	**25 Sep 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP26_1.1-1.2**	**25 Sep 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**26 Sep 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	<50	62	62
1030813	**Eurofins Environment ANZ**	**CPR_TP30_0.25-0.35**	**27 Sep 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**17 Oct 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	390	220	610
1037052	**Eurofins Environment ANZ**	**CPR_TP34_0.25-0.35**	**18 Oct 2023**	**Soil**							<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
		Ausgrid Building																								
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	**Soil**																			<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.5-0.7**	**18 Oct 2023**	**Soil**	<1	<1	<1	<1	<1	<1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	**Soil**	<1	<1	<1	<1	<1	<1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.9-1.0**	**18 Oct 2023**	**Soil**																			<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.3-0.4**	**18 Oct 2023**	**Soil**	<1	<1	<1	<1	<1	<1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.6-0.7**	**18 Oct 2023**	**Soil**																			<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.3-0.4**	**18 Oct 2023**	**Soil**							<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.5-0.6**	**18 Oct 2023**	**Soil**																			<20	<20	55	<50	55
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.2-0.3**	**18 Oct 2023**	**Soil**																			<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.4-0.5**	**18 Oct 2023**	**Soil**	<1	<1	<1	<1	<1	<1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	62	<50	62
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.4-0.5**	**18 Oct 2023**	**Soil**																			<20	<20	110	<50	110

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
HEPA, January 2020, PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)
HEPA, January 2020, PFAS NEMP 2020 Residential with minimal opportunities for soil access (HIL B)
2013, NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Res A Soil
2013, NEPM 2013 Table 1A(1) HILs Res B Soil

					BTEX						TRH							Phenols																	Other				
					Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	>C6-C10 Fraction (F1)	>C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	3&4-Methylphenol (m&p-cresol)	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	2,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexylphenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Tetrachlorophenols	Phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	Actrl (loepil)	Chlorinated hydrocarbons #PAVic	Other chlorinated hydrocarbons #PAVic	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.5	0.1	0.1	0.1	0.2	0.1	0.3	20	20	50	50	100	100	100	0.4	1	1	0.5	0.5	5	0.5	0.5	0.2	1	0.5	20	1	5	0.5	1	10	0.5	1	20	0.5	0.5	0.5	0.5	0.5
NSW 2014 General Solid Waste CT1 (No Leaching)						10	288	600			1,000									8,000	40						4,000						4,000					288				200	600
NSW 2014 General Solid Waste SCC1 (with leached)						18	518	1,080			1,800									14,400	72						7,200						7,200			518						360	1,080
NSW 2014 Restricted Solid Waste CT2 (No Leaching)						40	1,152	2,400			4,000									32,000	160						16,000						16,000					1,152				800	2,400
NSW 2014 Restricted Solid Waste SCC2 (with leached)						72	2,073	4,320			7,200									57,600	288						28,800						28,800			2,073						1,440	4,320
PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)																																										
Lab Report	**Lab Name**	**Field ID**	**Date**	**Matrix Type**																																					
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.3-0.4**	**20 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	150	340	490	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	0.7	0.7	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP05_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.4-0.6**	**20 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	160	160	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.9**	**17 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	0.6	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	0.6	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP10_0.3-0.5**	**17 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP12_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP14_0.6-0.8**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP16_0.2-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP17_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP20_0.3-0.5**	**28 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP21_0.4-0.5**	**26 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.7	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**26 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	530	600	1,130	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.6	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP24_0.2-0.4**	**25 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP26_1.1-1.2**	**25 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.7	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**26 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.7	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP30_0.25-0.35**	**27 Sep 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	0.7	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**17 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	510	170	680	0.7	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	0.7	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP34_0.25-0.35**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																											
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.5-0.7**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	110	110																						1.1	1.1	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																						0.5	0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.9-1.0**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																											
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																						<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.6-0.7**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																											
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<0.4	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<0.5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																										<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.5-0.6**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																											
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																											
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.4-0.5**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																						<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100																						<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.4-0.5**	**18 Oct 2023**	**Soil**	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	130	<100	130																											

					Chlorinated Hydrocarbons																							Explosives		Halogenated Benzenes							Halogenated Hydrocarbons					
					1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,4-Dinitrotoluene	Nitrobenzene	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.5	0.5	0.5	0.5
NSW 2014 General Solid Waste CT1 (No Leaching)					26	24		14		10							10			120					172	10	14			4	2.6	40	86		150			2,000					
NSW 2014 General Solid Waste SCC1 (with leached)					46.8	43.2		25		18							18			126					310	18	25.2			7.2	4.68	72	155		270			3,600					
NSW 2014 Restricted Solid Waste CT2 (No Leaching)					104	96		56		40							40			480					688	40	56			16	10.4	160	344		600			8,000					
NSW 2014 Restricted Solid Waste SCC2 (with leached)					187.2	172.8		100		72							72			864					1,240	72	100.8			28.8	18.7	288	620		1,080			14,400					
PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)																																										
Lab Report	**Lab Name**	**Field ID**	**Date**	**Matrix Type**																																						
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.3-0.4**	**20 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP05_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.4-0.6**	**20 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.9**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP10_0.3-0.5**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP12_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP14_0.6-0.8**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP16_0.2-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP17_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP20_0.3-0.5**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP21_0.4-0.5**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP24_0.2-0.4**	**25 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP26_1.1-1.2**	**25 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1030813	**Eurofins Environment ANZ**	**CPR_TP30_0.25-0.35**	**27 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP34_0.25-0.35**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	**Soil**																																						
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.5-0.7**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.9-1.0**	**18 Oct 2023**	**Soil**																																						
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.6-0.7**	**18 Oct 2023**	**Soil**																																						
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.5-0.6**	**18 Oct 2023**	**Soil**																																						
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.2-0.3**	**18 Oct 2023**	**Soil**																																						
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.4-0.5**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.4-0.5**	**18 Oct 2023**	**Soil**																																						

					Herbicides										Perfluoroalkane Carboxylic Acids	(n:2) Fluorotelomer Sulfonic Acids	Perfluoroalkane Sulfonic Acids		PFAS			Inorganics					MAH					Metals											
					2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hexanal	2,4-Dichloroprop	4-(2,4-Dichlorophenoxy)Butyric Acid (2,4-DB)	Dicamba	Dinoseb	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Perfluorooctanoic Acid (PFOA)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	Perfluorohexane Sulfonic Acid (PFHxS)	Perfluorooctane Sulfonic Acid (PFOS)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Cyanide (free)	Cyanide Total	Fluoride	Moisture Content (dried @ 103°C)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Beryllium	Cadmium	Chromium (hexavalent)	Chromium (III+VI)	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.005	0.01	0.005	0.005	0.005	0.005	0.005	1	1	100	1	0.5	0.5	0.5	0.5	0.5	2	2	0.4	1	5	5	5	0.1	5	5	2	2
NSW 2014 General Solid Waste CT1 (No Leaching)							200																320	3,000																		
NSW 2014 General Solid Waste SCC1 (with leached)							360								18				1.8				5,900	10,000																		
NSW 2014 Restricted Solid Waste CT2 (No Leaching)							800																1,280	12,000																		
NSW 2014 Restricted Solid Waste SCC2 (with leached)							1,440								72				7.2				23,600	40,000																		
PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)															0.1		0.007	0.007	0.007																							
Lab Report	**Lab Name**	**Field ID**	**Date**	**Matrix Type**																																						
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.3-0.4**	**20 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	<100	25	<0.5	<0.5	<0.5	<0.5	<0.5	6.7	<2	0.4	<1			430	0.3	<5	8.2	<2	<2
1037052	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	100	10	<0.5	<0.5	<0.5	<0.5	<0.5	2.7	<2	<0.4	<1			12	<0.1	<5	88	<2	<2
1037052	**Eurofins Environment ANZ**	**CPR_TP05_0.2-0.3**	**19 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	130	11	<0.5	<0.5	<0.5	<0.5	<0.5	3.9	<2	<0.4	<1			53	<0.1	<5	79	<2	<2
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.4-0.6**	**20 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	<100	18	<0.5	<0.5	<0.5	<0.5	<0.5	8.7	<2	<0.4	<1			26	<0.1	7.0	6.1	<2	<2
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.9**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	<100	10	<0.5	<0.5	<0.5	<0.5	<0.5	3.1	<2	<0.4	<1			13	<0.1	<5	100	<2	<2
1037052	**Eurofins Environment ANZ**	**CPR_TP10_0.3-0.5**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	<100	20	<0.5	<0.5	<0.5	<0.5	<0.5	6.6	<2	<0.4	<1			19	<0.1	<5	<5	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP12_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	130	23	<0.5	<0.5	<0.5	<0.5	<0.5	6.8	<2	<0.4	<1			11	<0.1	<5	9.8	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP14_0.6-0.8**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	<100	12	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<2	<0.4	<1			26	<0.1	<5	5.4	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP16_0.2-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	120	23	<0.5	<0.5	<0.5	<0.5	<0.5	5.4	<2	<0.4	<1			18	<0.1	<5	<5	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP17_0.3-0.4**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	<100	24	<0.5	<0.5	<0.5	<0.5	<0.5	8.1	<2	<0.4	<1			14	<0.1	<5	<5	2.4	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP20_0.3-0.5**	**28 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	350	24	<0.5	<0.5	<0.5	<0.5	<0.5	4.5	<2	<0.4	<1			13	<0.1	<5	<5	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP21_0.4-0.5**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	<100	19	<0.5	<0.5	<0.5	<0.5	<0.5	7.7	<2	<0.4	<1			31	<0.1	<5	<5	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	180	18	<0.5	<0.5	<0.5	<0.5	<0.5	4.9	<2	<0.4	<1			110	<0.1	<5	8.3	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP24_0.2-0.4**	**25 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	7.8	<0.5	<0.5								<1	<1	<100	6.2	<0.5	<0.5	<0.5	<0.5	<0.5	3.0	<2	<0.4	<1			8.2	<0.1	<5	<5	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP26_1.1-1.2**	**25 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	200	15	<0.5	<0.5	<0.5	<0.5	<0.5	6.7	<2	<0.4	<1			20	<0.1	<5	<5	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**26 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	150	13	<0.5	<0.5	<0.5	<0.5	<0.5	12	<2	0.9	<1			1,200	0.6	<5	67	<2	<2
1030813	**Eurofins Environment ANZ**	**CPR_TP30_0.25-0.35**	**27 Sep 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	150	25	<0.5	<0.5	<0.5	<0.5	<0.5	8.8	<2	<0.4	<1			14	<0.1	<5	<5	2.9	<2
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**17 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	560	11	<0.5	<0.5	<0.5	<0.5	<0.5	4.6	<2	<0.4	<1			140	<0.1	<5	72	<2	<2
1037052	**Eurofins Environment ANZ**	**CPR_TP34_0.25-0.35**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	190	22	<0.5	<0.5	<0.5	<0.5	<0.5	23	<2	<0.4	<1			13	<0.1	<5	<5	2.7	<2
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	**Soil**																			19							5.8		0.5		19	31	720	0.1		14		
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.5-0.7**	**18 Oct 2023**	**Soil**											<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005				20	<0.5	<0.5	<0.5	<0.5	<0.5	4.7		<0.4		32	14	170	0.4		7.4		
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	**Soil**											<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005				20	<0.5	<0.5	<0.5	<0.5	<0.5	5.3		0.4		43	120	410	0.3		10		
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.9-1.0**	**18 Oct 2023**	**Soil**																					23					6.4		<0.4		57	18	40	<0.1		6.5		
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.3-0.4**	**18 Oct 2023**	**Soil**											<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005				9.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.3		<0.4		15	7.3	66	<0.1		10		
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.6-0.7**	**18 Oct 2023**	**Soil**																					17					4.6		<0.4		28	10	82	<0.1		9.3		
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.3-0.4**	**18 Oct 2023**	**Soil**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<1	<1	<100	6.4	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<2	<0.4	<1			14	<0.1	<5	81	<2	<2
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.2-0.3**	**18 Oct 2023**	**Soil**											<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005				8.8	<0.5	<0.5	<0.5	<0.5	<0.5	<2		<0.4		14	55	8.4	<0.1		62		
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.5-0.6**	**18 Oct 2023**	**Soil**																					21					6.9		<0.4		50	64	210	0.3		16		
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.2-0.3**	**18 Oct 2023**	**Soil**																					7.7					<2		<0.4		10	70	<5	<0.1		78		
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.4-0.5**	**18 Oct 2023**	**Soil**											<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005				11	<0.5	<0.5	<0.5	<0.5	<0.5	<2		<0.4		8.6	44	24	<0.1		46		
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.2-0.3**	**18 Oct 2023**	**Soil**											<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005				6.2	<0.5	<0.5	<0.5	<0.5	<0.5	<2		<0.4		12	63	9.3	<0.1		61		
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.4-0.5**	**18 Oct 2023**	**Soil**																					12					5.3		<0.4		9.9	91	190	0.5		28		

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| | | | | | Organophosphorous Pesticides | | | | | | | | | | | | | | | | PAH | | | | | | | | | | | | | | | |

	PCBs					Pesticides		Phthalates						Solvents					TPH				
	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Parathion	Pirimiphos-methyl	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.1	0.2	0.2	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	20	20	50	50	50
NSW 2014 General Solid Waste CT1 (No Leaching)					50									4,000					650				10,000
NSW 2014 General Solid Waste SCC1 (with leached)					50									7,200					650				10,000
NSW 2014 Restricted Solid Waste CT2 (No Leaching)					50									16,000					2,600				40,000
NSW 2014 Restricted Solid Waste SCC2 (with leached)					50									28,800					2,600				40,000
PFAS NEMP 2020 Residential with garden/accessible soil (HIL A)																							
Lab Report I	**Lab Name**	**Field ID**	**Date**	**Matrix Type**																			
1038242	**Eurofins Environment ANZ**	**CPR_TP01_0.3-0.4**	**20 Oct 2023**	**Soil**						<0.2	<0.2	9.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	51	170	221
1037052	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**19 Oct 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP05_0.2-0.3**	**19 Oct 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1038242	**Eurofins Environment ANZ**	**CPR_TP07_0.4-0.6**	**20 Oct 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	27	<50	120	147
1037052	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.9**	**17 Oct 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	51	51
1037052	**Eurofins Environment ANZ**	**CPR_TP10_0.3-0.5**	**17 Oct 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP12_0.3-0.4**	**28 Sep 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	52	<50	52
1030813	**Eurofins Environment ANZ**	**CPR_TP14_0.6-0.8**	**28 Sep 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP16_0.2-0.4**	**28 Sep 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP17_0.3-0.4**	**28 Sep 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP20_0.3-0.5**	**28 Sep 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP21_0.4-0.5**	**26 Sep 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**26 Sep 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	210	480	690
1030813	**Eurofins Environment ANZ**	**CPR_TP24_0.2-0.4**	**25 Sep 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP26_1.1-1.2**	**25 Sep 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1030813	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**26 Sep 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	62	62
1030813	**Eurofins Environment ANZ**	**CPR_TP30_0.25-0.35**	**27 Sep 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**17 Oct 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	390	220	610
1037052	**Eurofins Environment ANZ**	**CPR_TP34_0.25-0.35**	**18 Oct 2023**	**Soil**						<0.5	<0.5	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	**Soil**																			<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP40_0.5-0.7**	**18 Oct 2023**	**Soil**	<1	<1	<1	<1	<1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	**Soil**	<1	<1	<1	<1	<1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP41_0.9-1.0**	**18 Oct 2023**	**Soil**																			<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.3-0.4**	**18 Oct 2023**	**Soil**	<1	<1	<1	<1	<1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP42_0.6-0.7**	**18 Oct 2023**	**Soil**																			<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP43_0.3-0.4**	**18 Oct 2023**	**Soil**						<0.2	<0.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.1	<0.1	<0.1	<0.1	<0.1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP44_0.5-0.6**	**18 Oct 2023**	**Soil**																			<20	<20	55	<50	55
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.2-0.3**	**18 Oct 2023**	**Soil**																			<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP45_0.4-0.5**	**18 Oct 2023**	**Soil**	<1	<1	<1	<1	<1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	62	<50	62
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.2-0.3**	**18 Oct 2023**	**Soil**	<0.1	<0.1	<0.1	<0.1	<0.1										<0.5	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<50	<50
1037052	**Eurofins Environment ANZ**	**CPR_TP46_0.4-0.5**	**18 Oct 2023**	**Soil**																			<20	<20	110	<50	110

				Leaching Preparation		Inorganics	Metals		PAH
				pH (Final)	pH (Initial)	pH (after HCL)	Lead	Nickel	Benzo(a) pyrene
				-	-	-	mg/L	mg/L	mg/L
EQL				0.1	0.1	0.1	0.01	0.01	0.001
NSW 2014 General Solid Waste TCLP1 (leached)							5	2	0.04
NSW 2014 Restricted Solid Waste TCLP2 (leached)							20	8	0.16
Lab Report Number	**Lab Name**	**Field ID**	**Date**						
1035015	**Eurofins Environment ANZ**	**CPR_TP23_0.6-0.7**	**25 Sep 2023**	5.4	9.5	1.7	0.11		<0.001
1035015	**Eurofins Environment ANZ**	**CPR_TP28_1.0-1.1**	**25 Sep 2023**	5.2	8.7	1.8	0.15	0.01	
1040149	**Eurofins Environment ANZ**	**CPR_TP03_0.2-0.3**	**18 Oct 2023**	6.1	9.4	1.6		0.11	
1040149	**Eurofins Environment ANZ**	**CPR_TP08_0.7-0.8**	**18 Oct 2023**	6.2	8.9	1.7		0.03	
1040149	**Eurofins Environment ANZ**	**CPR_TP33_0.4-0.6**	**18 Oct 2023**	5.9	9.5	1.7			<0.001
1040149	**Eurofins Environment ANZ**	**CPR_TP40_0.2-0.3**	**18 Oct 2023**	6.1	9.2	1.7	0.13		
1040149	**Eurofins Environment ANZ**	**CPR_TP41_0.7-0.8**	**18 Oct 2023**	5.5	8.2	1.7	0.03		

Metro Chatswood
Pre Remediation Investigation

Table 5
Shallow Groundwater PFAS Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

			Perfluoroalkane Carboxylic Acids											(n:2) Fluorotelomer Sulfonic Acids				Perfluoroalkane Sulfon			
			Perfluorobutanoic acid (PFBA)	Perfluorohexanoic acid (PFHxA)	Perfluoropentanoic acid (PFPeA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01
PFAS NEMP 2020 Drinking Water							0.56														0.07
PFAS NEMP 2020 Freshwater 95%							220														
PFAS NEMP 2020 Freshwater 99%							19														
PFAS NEMP 2020 Recreational Water							10														2
Lab Report Number	**Field ID**	**Date**																			
1074377	**SRT-MW009-S**	**27 Feb 2024**					<0.01								<0.05						0.06
1039731	**SRT-MW009-S**	**26 Oct 2023**					<0.01								<0.05						0.05
749221	**SRT-MW009S**	**07 Oct 2020**	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.06
729566	**SRT-MW009S**	**02 Jul 2020**	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
1074377	**SRT-MW011-S**	**28 Feb 2024**					0.27								<0.05						0.04
1039731	**SRT-MW011-S**	**26 Oct 2023**					0.24								<0.05						0.04
749221	**SRT-MW011S**	**07 Oct 2020**	<0.05	0.08	0.07	0.12	0.58	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.02	0.01	0.07
729566	**SRT-MW011S**	**02 Jul 2020**	<0.05	0.12	0.09	0.12	0.61	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.02	0.01	0.06
1074377	**SRT-MW013-S**	**28 Feb 2024**					0.02								<0.05						0.03
1039731	**SRT-MW013-S**	**27 Oct 2023**					0.05								<0.05						0.07
749221	**SRT-MW013S**	**07 Oct 2020**	<0.05	0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
729566	**SRT-MW013S**	**02 Jul 2020**	<0.05	0.02	<0.01	0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
1074377	**SRT-MW101-S**	**27 Feb 2024**					0.01								<0.05						0.01
1039731	**SRT-MW101-S**	**27 Oct 2023**					0.05								<0.05						0.05
751004	**SRT-MW101S**	**07 Oct 2020**	<0.05	0.02	0.02	<0.01	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	0.04
729566	**SRT-MW101S**	**02 Jul 2020**	<0.05	0.03	0.02	0.01	0.03	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	0.05

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

Metro Chatswood
Pre Remediation Investigation

Table 5
Shallow Groundwater PFAS Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

			ic Acids			Perfluoroalkyl Sulfonamides							PFAS					
			Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.01	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00001	0.01	0.1	0.05	0.01	0.01
PFAS NEMP 2020 Drinking Water				0.07										0.07				
PFAS NEMP 2020 Freshwater 95%				0.13														
PFAS NEMP 2020 Freshwater 99%				0.00023														
PFAS NEMP 2020 Recreational Water				2										2				
Lab Report Number	**Field ID**	**Date**																
1074377	**SRT-MW009-S**	**27 Feb 2024**		0.13										0.19			0.19	0.13
1039731	**SRT-MW009-S**	**26 Oct 2023**		0.08										0.13			0.13	0.08
749221	**SRT-MW009S**	**07 Oct 2020**	<0.01	0.06	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.12	0.12	0.12	0.12	0.06
729566	**SRT-MW009S**	**02 Jul 2020**	<0.01	0.04	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.08	<0.1	0.08	0.08	0.04
1074377	**SRT-MW011-S**	**28 Feb 2024**		0.49										0.53			0.8	0.76
1039731	**SRT-MW011-S**	**26 Oct 2023**		0.34										0.38			0.62	0.58
749221	**SRT-MW011S**	**07 Oct 2020**	<0.01	0.31	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.38	1.28	1.25	0.96	0.89
729566	**SRT-MW011S**	**02 Jul 2020**	<0.01	0.26	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.32	1.3	1.28	0.93	0.87
1074377	**SRT-MW013-S**	**28 Feb 2024**		0.10										0.13			0.15	0.12
1039731	**SRT-MW013-S**	**27 Oct 2023**		0.20										0.27			0.32	0.25
749221	**SRT-MW013S**	**07 Oct 2020**	<0.01	0.11	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.15	0.19	0.19	0.18	0.14
729566	**SRT-MW013S**	**02 Jul 2020**	<0.01	0.11	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.15	0.21	0.21	0.18	0.14
1074377	**SRT-MW101-S**	**27 Feb 2024**		0.04										0.05			0.06	0.05
1039731	**SRT-MW101-S**	**27 Oct 2023**		0.12										0.17			0.22	0.17
751004	**SRT-MW101S**	**07 Oct 2020**	<0.01	0.16	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.2	0.28	0.27	0.22	0.18
729566	**SRT-MW101S**	**02 Jul 2020**	<0.01	0.09	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.14	0.25	0.24	0.17	0.12

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water

Metro Chatswood
Pre Remediation Investigation

Table 6
Deep Groundwater Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

										TRH														
			Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Chlorinated hydrocarbons EPAVic	Other chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			1	1	1	2	1	3	20	20	50	50	100	100	100	5	5	1	1	1	1	1
PFAS NEMP 2020 Drinking Water																						
PFAS NEMP 2020 Freshwater 95%																						
PFAS NEMP 2020 Freshwater 99%																						
PFAS NEMP 2020 Recreational Water																						
NEPM 2013 Table 1C GILs, Drinking Water			1	800	300			600														
NEPM 2013 Table 1C GILs, Fresh Waters			950				350	550													6,500	
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt			4,000 | 5,000 | 5,000							6,000 | 6,000 | 6,000												
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt			30,000 | 30,000 | 30,000																			
Lab Report Number	**Field ID**	**Date**																				
1074377	**SRT-MW004**	**27 Feb 2024**	2	<1	<1	<2	<1	<3														
1039731	**SRT-MW004**	**27 Oct 2023**	1	<1	<1	<2	<1	<3														
749221	**SRT-MW004**	**07 Oct 2020**	2	<1	<1	<2	<1	<3	40	40	70	70	100	<100	170	44	44	<1	<1	<1	<1	<1
729566	**SRT-MW004**	**02 Jul 2020**	2	14	2	7	5	12	80	50	<50	<50	<100	<100	<100	11	11	<1	<1	<1	<1	<1
1074377	**SRT-MW006**	**28 Feb 2024**	<1	<1	<1	<2	<1	<3														
1069777	**SRT-MW006**	**14 Feb 2024**	<1	<1	<1	<2	<1	<3														
1069777	**SRT-MW006**	**13 Feb 2024**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW006**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	40	40	<50	<50	<100	<100	<100	18	18	<1	<1	<1	<1	<1
729566	**SRT-MW006**	**02 Jul 2020**	<1	22	4	40	26	65	330	240	<50	<50	100	<100	100	10	10	<1	<1	<1	<1	<1
1074377	**SRT-MW009**	**28 Feb 2024**	<1	<1	<1	<2	<1	<3														
1039731	**SRT-MW009**	**26 Oct 2023**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW009**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	<20	<20	70	70	100	<100	170	<5	<5	<1	<1	<1	<1	<1
729566	**SRT-MW009**	**02 Jul 2020**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<5	<5	<1	<1	<1	<1	<1
1074377	**SRT-MW011**	**28 Feb 2024**	<1	<1	<1	<2	<1	<3														
1039731	**SRT-MW011**	**26 Oct 2023**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW011**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	<20	<20	140	140	200	<100	340	<5	<5	<1	<1	<1	<1	<1
729566	**SRT-MW011**	**02 Jul 2020**	<1	<1	<1	<2	<1	<3	<20	<20	60	60	400	<100	460	<5	<5	<1	<1	<1	<1	<1
1074377	**SRT-MW013**	**28 Feb 2024**	<1	<1	<1	<2	<1	<3														
1069777	**SRT-MW013**	**14 Feb 2024**	<1	<1	<1	<2	<1	<3														
1069777	**SRT-MW013**	**13 Feb 2024**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW013**	**07 Oct 2020**	1	<1	<1	<2	<1	<3	240	240	110	110	200	<100	310	5	5	<1	<1	<1	<1	<1
729566	**SRT-MW013**	**02 Jul 2020**	2	<1	<1	<2	<1	<3	760	760	330	330	300	<100	630	6	6	<1	<1	<1	<1	<1
749221	**SRT-MW017**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	30	30	90	90	200	<100	290	<5	<5	<1	<1	<1	<1	<1
729566	**SRT-MW017**	**02 Jul 2020**	<1	<1	<1	<2	<1	<3	30	30	<50	<50	<100	<100	<100	<5	<5	<1	<1	<1	<1	<1
1074377	**SRT-MW018**	**28 Feb 2024**	<1	<1	<1	<2	<1	<3														
1039731	**SRT-MW018**	**27 Oct 2023**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW018**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	40	40	<50	<50	<100	<100	<100	<5	<5	<1	<1	<1	<1	<1
729566	**SRT-MW018**	**02 Jul 2020**	66	<1	<1	<2	<1	<3	200	130	<50	<50	<100	<100	<100	<5	<5	<1	<1	<1	<1	<1
1039731	**SRT-MW022**	**27 Oct 2023**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW022**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	40	40	<50	<50	100	<100	100	<5	<5	<1	<1	<1	<1	<1
729566	**SRT-MW022**	**02 Jul 2020**	<1	<1	<1	<2	<1	<3	70	70	<50	<50	<100	<100	<100	<5	<5	<1	<1	<1	<1	<1
749221	**SRT-MW024**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	100	<100	100	<5	<5	<1	<1	<1	<1	<1
729566	**SRT-MW024**	**02 Jul 2020**	<1	<1	<1	<2	<1	<3	40	40	<50	<50	<100	<100	<100	<5	<5	<1	<1	<1	<1	<1
1074377	**SRT-MW025**	**28 Feb 2024**	<1	<1	<1	<2	<1	<3														
1039731	**SRT-MW025**	**27 Oct 2023**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW025**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<5	<5	<1	<1	<1	<1	<1
1074377	**SRT-MW026**	**27 Feb 2024**	<1	<1	<1	<2	<1	<3														
1039731	**SRT-MW026**	**26 Oct 2023**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW026**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	<5	<5	<1	<1	<1	<1	<1
1074377	**SRT-MW027**	**28 Feb 2024**	<1	<1	<1	<2	<1	<3														
1039731	**SRT-MW027**	**26 Oct 2023**	<1	<1	<1	<2	<1	<3														
749221	**SRT-MW027**	**07 Oct 2020**	<1	<1	<1	<2	1	<3	160	160	250	250	200	<100	450	<5	<5	<1	<1	<1	<1	<1
1074377	**SRT-MW028**	**28 Feb 2024**	24	<1	<1	<2	1	<3														
1069777	**SRT-MW028**	**14 Feb 2024**	6	<1	<1	<2	<1	<3														
1069777	**SRT-MW028**	**13 Feb 2024**	24	<1	<1	<2	<1	<3														
749221	**SRT-MW028**	**07 Oct 2020**	450	<5	<5	<10	53	53	1,500	1,000	120	120	<100	<100	120	<5	<5	<1	<1	<1	<1	<1
1074377	**SRT-MW101**	**27 Feb 2024**	<1	<1	<1	<2	<1	<3														
1039731	**SRT-MW101**	**27 Oct 2023**	<1	<1	<1	<2	<1	<3														
751004	**SRT-MW101**	**07 Oct 2020**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	6	6	<1	<1	<1	<1	<1
729566	**SRT-MW101**	**02 Jul 2020**	<1	<1	<1	<2	<1	<3	<20	<20	<50	<50	<100	<100	<100	12	12	<1	<1	<1	<1	<1

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water
2013, NEPM 2013 Table 1C GILs, Drinking Water
2013, NEPM 2013 Table 1C GILs, Fresh Waters
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt

Metro Chatswood
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Table 6
Deep Groundwater Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

			Chlorinated Hydrocarbons																				
			1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			1	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1
PFAS NEMP 2020 Drinking Water																								
PFAS NEMP 2020 Freshwater 95%																								
PFAS NEMP 2020 Freshwater 99%																								
PFAS NEMP 2020 Recreational Water																								
NEPM 2013 Table 1C GILs, Drinking Water			30		3						3								4		50			0.3
NEPM 2013 Table 1C GILs, Fresh Waters																								
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt																								
Lab Report Number	**Field ID**	**Date**																						
1074377	**SRT-MW004**	**27 Feb 2024**																						
1039731	**SRT-MW004**	**27 Oct 2023**																						
749221	**SRT-MW004**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	10	<1	<1	<1	4	2	<1	<1	<1
729566	**SRT-MW004**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	4	<1	<1	<1	1	<1	<1	<1	<1
1074377	**SRT-MW006**	**28 Feb 2024**																						
1069777	**SRT-MW006**	**14 Feb 2024**																						
1069777	**SRT-MW006**	**13 Feb 2024**																						
749221	**SRT-MW006**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	8	<1	<1	<1	1	7	<1	<1	<1
729566	**SRT-MW006**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	5	<1	<1	<1	<1	5	<1	<1	<1
1074377	**SRT-MW009**	**28 Feb 2024**																						
1039731	**SRT-MW009**	**26 Oct 2023**																						
749221	**SRT-MW009**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
729566	**SRT-MW009**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1074377	**SRT-MW011**	**28 Feb 2024**																						
1039731	**SRT-MW011**	**26 Oct 2023**																						
749221	**SRT-MW011**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
729566	**SRT-MW011**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1074377	**SRT-MW013**	**28 Feb 2024**																						
1069777	**SRT-MW013**	**14 Feb 2024**																						
1069777	**SRT-MW013**	**13 Feb 2024**																						
749221	**SRT-MW013**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	5	<1	<1	<1
729566	**SRT-MW013**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	6	<1	<1	<1
749221	**SRT-MW017**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
729566	**SRT-MW017**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1074377	**SRT-MW018**	**28 Feb 2024**																						
1039731	**SRT-MW018**	**27 Oct 2023**																						
749221	**SRT-MW018**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
729566	**SRT-MW018**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1039731	**SRT-MW022**	**27 Oct 2023**																						
749221	**SRT-MW022**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	4	<1	<1	<1
729566	**SRT-MW022**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	4	<1	<1	<1
749221	**SRT-MW024**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	3	<1	<1	<1
729566	**SRT-MW024**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	4	<1	<1	<1
1074377	**SRT-MW025**	**28 Feb 2024**																						
1039731	**SRT-MW025**	**27 Oct 2023**																						
749221	**SRT-MW025**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	1	<1	<1	<1	<1	2	<1	<1	<1
1074377	**SRT-MW026**	**27 Feb 2024**																						
1039731	**SRT-MW026**	**26 Oct 2023**																						
749221	**SRT-MW026**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1074377	**SRT-MW027**	**28 Feb 2024**																						
1039731	**SRT-MW027**	**26 Oct 2023**																						
749221	**SRT-MW027**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1074377	**SRT-MW028**	**28 Feb 2024**																						
1069777	**SRT-MW028**	**14 Feb 2024**																						
1069777	**SRT-MW028**	**13 Feb 2024**																						
749221	**SRT-MW028**	**07 Oct 2020**	<1	<1	2	<1	<1		<1	<1	<1	<1		<5	<1	<1	<1	<1	<1	<1	2	<1	<1	<1
1074377	**SRT-MW101**	**27 Feb 2024**																						
1039731	**SRT-MW101**	**27 Oct 2023**																						
751004	**SRT-MW101**	**07 Oct 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	1	<1	<1	<1	1	4	<1	<1	<1
729566	**SRT-MW101**	**02 Jul 2020**	<1	<1	<1	<1	<1		<1	<1	<1	<1		<5	<1	4	<1	<1	<1	1	5	<1	<1	<1

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
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2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S

Metro Chatswood
Pre Remediation Investigation

Table 6
Deep Groundwater Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

			Halogenated Benzenes				Halogenated Hydrocarbons				Perfluoroalkane Carboxylic Acids											(n:2) Fluorotelomer Sulfonic Ac		
			1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	1,2-dibromoethane	Bromomethane	Iodomethane	Trichlorofluoromethane	Perfluorobutanoic acid (PFBA)	Perfluorohexanoic acid (PFHxA)	Perfluoropentanoic acid (PFPeA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			1	1	1	1	1	1	1	1	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.01
PFAS NEMP 2020 Drinking Water															0.56									
PFAS NEMP 2020 Freshwater 95%															220									
PFAS NEMP 2020 Freshwater 99%															19									
PFAS NEMP 2020 Recreational Water															10									
NEPM 2013 Table 1C GILs, Drinking Water			1,500		40	300		1																
NEPM 2013 Table 1C GILs, Fresh Waters			160	260	60																			
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt																								
Lab Report Number	**Field ID**	**Date**																						
1074377	**SRT-MW004**	**27 Feb 2024**													<0.01								<0.05	
1039731	**SRT-MW004**	**27 Oct 2023**													0.02								<0.05	
749221	**SRT-MW004**	**07 Oct 2020**	<1	<1	20	8	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW004**	**02 Jul 2020**	<1	<1	4	2	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW006**	**28 Feb 2024**													<0.01								<0.05	
1069777	**SRT-MW006**	**14 Feb 2024**													<0.01								<0.05	
1069777	**SRT-MW006**	**13 Feb 2024**													<0.01								<0.05	
749221	**SRT-MW006**	**07 Oct 2020**	<1	<1	2	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW006**	**02 Jul 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW009**	**28 Feb 2024**													<0.01								<0.05	
1039731	**SRT-MW009**	**26 Oct 2023**													<0.01								<0.05	
749221	**SRT-MW009**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW009**	**02 Jul 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW011**	**28 Feb 2024**													0.08								<0.05	
1039731	**SRT-MW011**	**26 Oct 2023**													0.12								<0.05	
749221	**SRT-MW011**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.06	0.02	0.09	0.53	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW011**	**02 Jul 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.08	0.03	0.08	0.63	0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW013**	**28 Feb 2024**													0.02								<0.05	
1069777	**SRT-MW013**	**14 Feb 2024**													0.02								<0.05	
1069777	**SRT-MW013**	**13 Feb 2024**													0.01								<0.05	
749221	**SRT-MW013**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW013**	**02 Jul 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
749221	**SRT-MW017**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.04	0.02	0.02	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW017**	**02 Jul 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.03	0.01	0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW018**	**28 Feb 2024**													0.20								<0.05	
1039731	**SRT-MW018**	**27 Oct 2023**													0.22								<0.05	
749221	**SRT-MW018**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	0.09	0.16	0.09	0.13	0.52	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW018**	**02 Jul 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1039731	**SRT-MW022**	**27 Oct 2023**													0.02								<0.05	
749221	**SRT-MW022**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	<0.01
729566	**SRT-MW022**	**02 Jul 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
749221	**SRT-MW024**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW024**	**02 Jul 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW025**	**28 Feb 2024**													<0.01								<0.05	
1039731	**SRT-MW025**	**27 Oct 2023**													0.01								<0.05	
749221	**SRT-MW025**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW026**	**27 Feb 2024**													0.08								<0.05	
1039731	**SRT-MW026**	**26 Oct 2023**													0.08								<0.05	
749221	**SRT-MW026**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.02	0.02	0.02	0.08	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW027**	**28 Feb 2024**													0.10								<0.05	
1039731	**SRT-MW027**	**26 Oct 2023**													0.10								<0.05	
749221	**SRT-MW027**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW028**	**28 Feb 2024**													0.01								<0.05	
1069777	**SRT-MW028**	**14 Feb 2024**													<0.01								<0.05	
1069777	**SRT-MW028**	**13 Feb 2024**													0.01								<0.05	
749221	**SRT-MW028**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1074377	**SRT-MW101**	**27 Feb 2024**													0.03								<0.05	
1039731	**SRT-MW101**	**27 Oct 2023**													0.02								<0.05	
751004	**SRT-MW101**	**07 Oct 2020**	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	0.02	0.01	<0.01	0.02	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
729566	**SRT-MW101**	**02 Jul 2020**	<1	<1	2	<1	<1	<1	<1	<1	<0.05	0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water
2013, NEPM 2013 Table 1C GILs, Drinking Water
2013, NEPM 2013 Table 1C GILs, Fresh Waters
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S

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			ids	Perfluoroalkane Sulfonic Acids							Perfluoroalkyl Sulfonamides							PFAS						
			10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Alkalinity (Bicarbonate as CaCO3)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00001	0.01	0.1	0.05	0.01	0.01	20
PFAS NEMP 2020 Drinking Water							0.07		0.07										0.07					
PFAS NEMP 2020 Freshwater 95%									0.13															
PFAS NEMP 2020 Freshwater 99%									0.00023															
PFAS NEMP 2020 Recreational Water							2		2										2					
NEPM 2013 Table 1C GILs, Drinking Water																								
NEPM 2013 Table 1C GILs, Fresh Waters																								
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt																								
Lab Report Number	**Field ID**	**Date**																						
1074377	**SRT-MW004**	**27 Feb 2024**					0.02		0.02										0.04			0.04	0.02	
1039731	**SRT-MW004**	**27 Oct 2023**					0.01		0.01										0.02			0.04	0.03	
749221	**SRT-MW004**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.01	<0.1	<0.05	0.01	<0.01	<20
729566	**SRT-MW004**	**02 Jul 2020**	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.01	<0.1	<0.05	0.01	<0.01	63
1074377	**SRT-MW006**	**28 Feb 2024**					0.02		0.06										0.08			0.08	0.06	
1069777	**SRT-MW006**	**14 Feb 2024**					0.02		0.06										0.08			0.08	0.06	
1069777	**SRT-MW006**	**13 Feb 2024**					0.02		0.05										0.07			0.07	0.05	
749221	**SRT-MW006**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	0.06	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.12	0.14	0.12	0.12	0.06	<20
729566	**SRT-MW006**	**02 Jul 2020**	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	0.06	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.11	0.13	0.11	0.11	0.06	40
1074377	**SRT-MW009**	**28 Feb 2024**					0.03		0.03										0.06			0.06	0.03	
1039731	**SRT-MW009**	**26 Oct 2023**					0.03		0.02										0.05			0.05	0.02	
749221	**SRT-MW009**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.02	<0.1	<0.05	0.02	<0.01	<20
729566	**SRT-MW009**	**02 Jul 2020**	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.01	<0.1	<0.05	0.01	<0.01	<20
1074377	**SRT-MW011**	**28 Feb 2024**					0.04		0.25										0.29			0.37	0.33	
1039731	**SRT-MW011**	**26 Oct 2023**					0.08		0.35										0.43			0.55	0.47	
749221	**SRT-MW011**	**07 Oct 2020**	<0.01	<0.01	0.03	0.02	0.13	0.02	0.50	<0.01	0.09	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.00001	0.63	1.6	1.36	1.16	1.03	170
729566	**SRT-MW011**	**02 Jul 2020**	<0.01	<0.01	0.03	0.02	0.09	0.01	0.69	<0.01	0.10	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.00001	0.78	1.91	1.63	1.41	1.32	160
1074377	**SRT-MW013**	**28 Feb 2024**					<0.01		0.10										0.1			0.12	0.12	
1069777	**SRT-MW013**	**14 Feb 2024**					<0.01		0.08										0.08			0.1	0.1	
1069777	**SRT-MW013**	**13 Feb 2024**					<0.01		0.06										0.06			0.07	0.07	
749221	**SRT-MW013**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	<0.01	<0.1	<0.05	0.01	0.01	46
729566	**SRT-MW013**	**02 Jul 2020**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.04	<0.1	0.08	0.07	0.07	65
749221	**SRT-MW017**	**07 Oct 2020**	<0.01	<0.01	0.05	0.02	0.16	<0.01	0.14	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.3	0.49	0.47	0.34	0.18	<20
729566	**SRT-MW017**	**02 Jul 2020**	<0.01	<0.01	0.03	0.02	0.08	<0.01	0.09	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.17	0.31	0.29	0.21	0.13	<20
1074377	**SRT-MW018**	**28 Feb 2024**					0.02		0.09										0.11			0.31	0.29	
1039731	**SRT-MW018**	**27 Oct 2023**					0.02		0.08										0.1			0.32	0.3	
749221	**SRT-MW018**	**07 Oct 2020**	<0.01	<0.01	0.04	<0.01	0.08	<0.01	0.07	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.15	1.22	1.18	0.67	0.59	<20
729566	**SRT-MW018**	**02 Jul 2020**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	<0.01	<0.1	<0.05	0.03	0.03	44
1039731	**SRT-MW022**	**27 Oct 2023**					0.03		0.05										0.08			0.1	0.07	
749221	**SRT-MW022**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.06	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.1	0.18	0.18	0.12	0.08	<20
729566	**SRT-MW022**	**02 Jul 2020**	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	0.03	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.05	<0.1	0.06	0.06	0.04	23
749221	**SRT-MW024**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	<0.01	<0.1	<0.05	0.01	0.01	33
729566	**SRT-MW024**	**02 Jul 2020**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.01	<0.1	<0.05	0.03	0.03	80
1074377	**SRT-MW025**	**28 Feb 2024**					0.03		0.04										0.07			0.07	0.04	
1039731	**SRT-MW025**	**27 Oct 2023**					0.03		0.04										0.07			0.08	0.05	
749221	**SRT-MW025**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.04	<0.1	<0.05	0.04	<0.01	82
1074377	**SRT-MW026**	**27 Feb 2024**					0.04		0.12										0.16			0.24	0.2	
1039731	**SRT-MW026**	**26 Oct 2023**					0.52		0.15										0.67			0.75	0.23	
749221	**SRT-MW026**	**07 Oct 2020**	<0.01	<0.01	0.01	<0.01	0.08	<0.01	0.17	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.25	0.42	0.4	0.33	0.25	63
1074377	**SRT-MW027**	**28 Feb 2024**					0.03		0.03										0.06			0.16	0.13	
1039731	**SRT-MW027**	**26 Oct 2023**					0.03		0.03										0.06			0.16	0.13	
749221	**SRT-MW027**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.03	<0.1	0.05	0.04	0.01	<20
1074377	**SRT-MW028**	**28 Feb 2024**					0.02		0.01										0.03			0.04	0.02	
1069777	**SRT-MW028**	**14 Feb 2024**					0.02		0.01										0.03			0.03	0.01	
1069777	**SRT-MW028**	**13 Feb 2024**					0.02		0.01										0.03			0.04	0.02	
749221	**SRT-MW028**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.03	<0.1	<0.05	0.03	<0.01	<20
1074377	**SRT-MW101**	**27 Feb 2024**					0.07		0.11										0.18			0.21	0.14	
1039731	**SRT-MW101**	**27 Oct 2023**					0.06		0.09										0.15			0.17	0.11	
751004	**SRT-MW101**	**07 Oct 2020**	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	0.13	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.21	0.28	0.26	0.23	0.15	<20
729566	**SRT-MW101**	**02 Jul 2020**	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	0.11	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00001	0.19	0.24	0.22	0.21	0.13	22

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
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			Inorganics									MAH			Metals								
			Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Ferrous Iron	Nitrate (as N)	Sodium	Sulphate	Sulphate as S	Total MAH	Isopropylbenzene	Styrene	Arsenic	Cadmium	Calcium	Chromium (III+VI)	Copper	Lead	Magnesium	Manganese	Mercury	Nickel
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	20	20	1	0.05	0.01	0.5	2	2	0.003	1	1	0.001	0.0002	0.5	0.001	0.001	0.001	0.5	0.005	0.0001	0.001
PFAS NEMP 2020 Drinking Water																								
PFAS NEMP 2020 Freshwater 95%																								
PFAS NEMP 2020 Freshwater 99%																								
PFAS NEMP 2020 Recreational Water																								
NEPM 2013 Table 1C GILs, Drinking Water										500				30	0.01	0.002			2	0.01		0.5	0.001	0.02
NEPM 2013 Table 1C GILs, Fresh Waters																0.0002			0.0014	0.0034		1.9	0.00006	0.011
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt																								
Lab Report Number	**Field ID**	**Date**																						
1074377	**SRT-MW004**	**27 Feb 2024**					<0.5	0.11		4.4					<0.001	<0.0002		<0.001	<0.001	<0.001			<0.0001	<0.001
1039731	**SRT-MW004**	**27 Oct 2023**					<0.5	0.42			4.9				<0.001	<0.0002		<0.001	0.015	<0.001			<0.0001	0.011
749221	**SRT-MW004**	**07 Oct 2020**	<10	<20	<20	45	0.9	<0.02	32	32		<0.003	<1	<1	<0.001	<0.0002	<5	<0.001	<0.001	<0.001	<5	0.032	<0.0001	<0.001
729566	**SRT-MW004**	**02 Jul 2020**	<10	<20	63	60			97	140		0.03	<1	<1	0.003	<0.0002	12	0.009	0.010	0.006	3.7	0.12	<0.0001	0.004
1074377	**SRT-MW006**	**28 Feb 2024**					<0.5	1.3		9.8					<0.001	<0.0002		<0.001	<0.001	<0.001			<0.0001	<0.001
1069777	**SRT-MW006**	**14 Feb 2024**					<0.5	1.2		20					<0.001	<0.0002		<0.001	0.010	<0.001			<0.0001	0.008
1069777	**SRT-MW006**	**13 Feb 2024**					<0.5	1.2		79					<0.001	<0.0002		<0.001	<0.001	<0.001			<0.0001	<0.001
749221	**SRT-MW006**	**07 Oct 2020**	<10	<20	<20	39	4.7	<0.02	21	6.7		<0.003	<1	<1	0.001	<0.0002	<5	0.003	<0.001	0.002	<5	0.054	<0.0001	<0.001
729566	**SRT-MW006**	**02 Jul 2020**	<10	<20	40	43	0.51	<0.02	35	28		0.092	<1	<1	0.003	<0.0002	12	0.018	0.005	0.010	3.4	0.14	<0.0001	0.004
1074377	**SRT-MW009**	**28 Feb 2024**					2.4	<0.02		4.5					<0.001	<0.0002		<0.001	0.002	<0.001			<0.0001	<0.001
1039731	**SRT-MW009**	**26 Oct 2023**					1.1	<0.01			<2				<0.001	<0.0002		<0.001	0.011	0.003			<0.0001	0.006
749221	**SRT-MW009**	**07 Oct 2020**	<10	<20	<20	53	4.5	<0.02	25	28		<0.003	<1	<1	0.002	<0.0002	<5	0.004	0.002	0.005	<5	0.024	<0.0001	0.001
729566	**SRT-MW009**	**02 Jul 2020**	<10	<20	<20	52	2.4	0.02	32	15		<0.003	<1	<1	<0.001	<0.0002	5.0	0.001	0.002	0.002	2.1	0.038	<0.0001	0.001
1074377	**SRT-MW011**	**28 Feb 2024**					<0.5	0.51		9.5					<0.001	<0.0002		<0.001	<0.001	<0.001			<0.0001	0.004
1039731	**SRT-MW011**	**26 Oct 2023**					<0.5	1.5			3.9				<0.001	<0.0002		<0.001	0.006	<0.001			<0.0001	<0.001
749221	**SRT-MW011**	**07 Oct 2020**	<10	<20	170	59	1.8	<0.02	89	74		<0.003	<1	<1	<0.001	<0.0002	23	<0.001	<0.001	0.002	<5	0.15	<0.0001	<0.001
729566	**SRT-MW011**	**02 Jul 2020**	<10	<20	160	62	0.89	0.60	110	140		<0.003	<1	<1	0.001	<0.0002	35	0.003	0.002	0.002	5.9	0.20	<0.0001	0.001
1074377	**SRT-MW013**	**28 Feb 2024**					<0.5	0.58		17					<0.001	<0.0002		<0.001	0.002	<0.001			<0.0001	<0.001
1069777	**SRT-MW013**	**14 Feb 2024**					<0.5	0.56		12					<0.001	<0.0002		<0.001	0.004	<0.001			<0.0001	0.008
1069777	**SRT-MW013**	**13 Feb 2024**					<0.5	1.1		10					<0.001	<0.0002		0.001	<0.001	<0.001			<0.0001	<0.001
749221	**SRT-MW013**	**07 Oct 2020**	<10	<20	46	66	5.3	<0.02	88	130		<0.003	<1	<1	0.003	<0.0002	10	0.009	0.005	0.005	<5	0.12	<0.0001	0.002
729566	**SRT-MW013**	**02 Jul 2020**	<10	<20	65	23	0.10	0.12	22	26		0.003	1	<1	<0.001	<0.0002	7.9	<0.001	0.002	<0.001	3.5	0.061	<0.0001	<0.001
749221	**SRT-MW017**	**07 Oct 2020**	<10	<20	<20	27	<0.5	1.5	13	10		<0.003	<1	<1	<0.001	<0.0002	5.3	0.001	0.002	0.002	<5	0.013	<0.0001	<0.001
729566	**SRT-MW017**	**02 Jul 2020**	<10	<20	<20	24	0.05	0.46	18	11		<0.003	<1	<1	<0.001	<0.0002	4.1	0.001	0.002	0.001	2.9	0.027	<0.0001	<0.001
1074377	**SRT-MW018**	**28 Feb 2024**					2.0	0.11		83					0.002	<0.0002		<0.001	0.011	<0.001			<0.0001	0.006
1039731	**SRT-MW018**	**27 Oct 2023**					<0.5	3.7			21				<0.001	<0.0002		<0.001	0.005	<0.001			<0.0001	0.002
749221	**SRT-MW018**	**07 Oct 2020**	<10	<20	<20	150	<0.5	0.43	81	93		<0.003	<1	<1	0.002	<0.0002	8.9	<0.001	0.003	<0.001	<5	0.052	<0.0001	0.004
729566	**SRT-MW018**	**02 Jul 2020**	<10	<20	44	60	0.05	0.98	50	35		0.066	<1	<1	<0.001	<0.0002	11	0.001	0.001	<0.001	3.9	0.080	<0.0001	0.002
1039731	**SRT-MW022**	**27 Oct 2023**					<0.5	5.3			<2				<0.001	<0.0002		<0.001	0.009	0.001			<0.0001	0.001
749221	**SRT-MW022**	**07 Oct 2020**	<10	<20	<20	34	<0.5	5.3	21	7.3		<0.003	<1	<1	0.019	<0.0002	<5	0.25	0.10	0.14	<5	0.18	0.0002	0.019
729566	**SRT-MW022**	**02 Jul 2020**	<10	<20	23	42	0.06	5.3	37	27		<0.003	<1	<1	0.004	<0.0002	7.2	0.022	0.009	0.008	3.5	0.098	<0.0001	0.003
749221	**SRT-MW024**	**07 Oct 2020**	<10	<20	33	43	<0.5	1.2	29	25		<0.003	<1	<1	<0.001	<0.0002	<5	0.004	0.001	<0.001	<5	0.062	<0.0001	0.002
729566	**SRT-MW024**	**02 Jul 2020**	<10	<20	80	46	<0.05	0.55	55	45		<0.003	<1	<1	<0.001	<0.0002	13	0.004	0.001	<0.001	3.2	0.15	<0.0001	0.002
1074377	**SRT-MW025**	**28 Feb 2024**					<0.5	2.9		97					<0.001	<0.0002		0.002	0.004	0.002			<0.0001	0.024
1039731	**SRT-MW025**	**27 Oct 2023**					<0.5	3.6			<2				<0.001	<0.0002		<0.001	0.004	0.002			<0.0001	0.007
749221	**SRT-MW025**	**07 Oct 2020**	<10	<20	82	45	<0.5	4.2	26	28		<0.003	<1	<1	<0.001	<0.0002	24	<0.001	<0.001	<0.001	<5	0.13	<0.0001	0.002
1074377	**SRT-MW026**	**27 Feb 2024**					<0.5	2.3		47					<0.001	<0.0002		<0.001	0.002	<0.001			<0.0001	<0.001
1039731	**SRT-MW026**	**26 Oct 2023**					<0.5	3.8			<2				<0.001	<0.0002		<0.001	0.021	0.002			<0.0001	<0.001
749221	**SRT-MW026**	**07 Oct 2020**	<10	<20	63	31	<0.5	3.3	24	26		<0.003	<1	<1	<0.001	<0.0002	15	0.007	0.001	<0.001	<5	0.046	<0.0001	0.001
1074377	**SRT-MW027**	**28 Feb 2024**					<0.5	0.36		28					<0.001	<0.0002		<0.001	<0.001	<0.001			0.0005	<0.001
1039731	**SRT-MW027**	**26 Oct 2023**					<0.5	0.61			2.8				<0.001	<0.0002		<0.001	0.023	0.004			<0.0001	0.003
749221	**SRT-MW027**	**07 Oct 2020**	<10	<20	<20	90	<0.5	2.4	39	13		<0.003	<1	<1	0.001	<0.0002	6.4	0.002	0.004	0.002	<5	0.016	0.0003	0.003
1074377	**SRT-MW028**	**28 Feb 2024**					1.8	<0.02		13					<0.001	<0.0002		<0.001	<0.001	<0.001			<0.0001	<0.001
1069777	**SRT-MW028**	**14 Feb 2024**					3.9	0.03		13					0.001	<0.0002		<0.001	<0.001	<0.001			<0.0001	0.029
1069777	**SRT-MW028**	**13 Feb 2024**					3.6	<0.02		11					<0.001	<0.0002		<0.001	<0.001	<0.001			<0.0001	<0.001
749221	**SRT-MW028**	**07 Oct 2020**	<10	<20	<20	44	<0.5	0.10	21	8.7		0.528	25	<1	0.001	<0.0002	<5	0.003	0.002	0.002	<5	0.023	<0.0001	0.001
1074377	**SRT-MW101**	**27 Feb 2024**					<0.5	1.3		24					<0.001	<0.0002		<0.001	0.005	<0.001			<0.0001	0.001
1039731	**SRT-MW101**	**27 Oct 2023**					<0.5	0.57			3.2				<0.001	<0.0002		<0.001	0.004	<0.001			<0.0001	<0.001
751004	**SRT-MW101**	**07 Oct 2020**	<10	<20	<20	51	1.3	1.4	48	33		<0.003	<1	<1	0.003	<0.0002	5.0	0.012	0.017	0.014	3.3	0.082	<0.0001	0.006
729566	**SRT-MW101**	**02 Jul 2020**	<10	<20	22	56	0.29	1.7	43	28		<0.003	<1	<1	<0.001	<0.0002	3.8	0.003	0.005	0.004	2.6	0.036	<0.0001	0.002

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water
2013, NEPM 2013 Table 1C GILs, Drinking Water
2013, NEPM 2013 Table 1C GILs, Fresh Waters
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S

Metro Chatswood
Pre Remediation Investigation

Table 6
Deep Groundwater Results

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				Organic	PAH																			
			Potassium	Zinc	Methane	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221
			mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.5	0.005	0.05	1	1	1	1	1	0.001	1	1	1	1	1	1	1	1	1	1	1	5	1
PFAS NEMP 2020 Drinking Water																								
PFAS NEMP 2020 Freshwater 95%																								
PFAS NEMP 2020 Freshwater 99%																								
PFAS NEMP 2020 Recreational Water																								
NEPM 2013 Table 1C GILs, Drinking Water										0.01														
NEPM 2013 Table 1C GILs, Fresh Waters				0.008															16					
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt																								
Lab Report Number	**Field ID**	**Date**																						
1074377	**SRT-MW004**	**27 Feb 2024**		0.012	<0.05																			
1039731	**SRT-MW004**	**27 Oct 2023**		0.072	<0.05																			
749221	**SRT-MW004**	**07 Oct 2020**	<5	0.014	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW004**	**02 Jul 2020**	15	0.070	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1074377	**SRT-MW006**	**28 Feb 2024**		0.009	<0.05																			
1069777	**SRT-MW006**	**14 Feb 2024**		0.25	<0.05																			
1069777	**SRT-MW006**	**13 Feb 2024**		0.009	<0.05																			
749221	**SRT-MW006**	**07 Oct 2020**	<5	0.019	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW006**	**02 Jul 2020**	2.4	0.071	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	1	<5	<1
1074377	**SRT-MW009**	**28 Feb 2024**		0.027	<0.05																			
1039731	**SRT-MW009**	**26 Oct 2023**		0.033	<0.05																			
749221	**SRT-MW009**	**07 Oct 2020**	<5	0.035	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW009**	**02 Jul 2020**	4.4	0.035	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1074377	**SRT-MW011**	**28 Feb 2024**		0.016	<0.05																			
1039731	**SRT-MW011**	**26 Oct 2023**		0.030	<0.05																			
749221	**SRT-MW011**	**07 Oct 2020**	8.1	0.017	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW011**	**02 Jul 2020**	2.9	0.007	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1074377	**SRT-MW013**	**28 Feb 2024**		0.035	<0.05																			
1069777	**SRT-MW013**	**14 Feb 2024**		0.22	<0.05																			
1069777	**SRT-MW013**	**13 Feb 2024**		0.037	<0.05																			
749221	**SRT-MW013**	**07 Oct 2020**	<5	0.052	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW013**	**02 Jul 2020**	2.4	0.070	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
749221	**SRT-MW017**	**07 Oct 2020**	<5	0.023	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW017**	**02 Jul 2020**	<0.5	0.067	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1074377	**SRT-MW018**	**28 Feb 2024**		0.10	<0.05																			
1039731	**SRT-MW018**	**27 Oct 2023**		0.10	<0.05																			
749221	**SRT-MW018**	**07 Oct 2020**	28	0.024	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW018**	**02 Jul 2020**	7.4	0.056	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1039731	**SRT-MW022**	**27 Oct 2023**		0.035	<0.05																			
749221	**SRT-MW022**	**07 Oct 2020**	<5	0.19	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW022**	**02 Jul 2020**	2.4	0.023	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
749221	**SRT-MW024**	**07 Oct 2020**	<5	0.031	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW024**	**02 Jul 2020**	5.5	0.094	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1074377	**SRT-MW025**	**28 Feb 2024**		0.034	<0.05																			
1039731	**SRT-MW025**	**27 Oct 2023**		0.067	<0.05																			
749221	**SRT-MW025**	**07 Oct 2020**	15	0.059	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1074377	**SRT-MW026**	**27 Feb 2024**		0.025	<0.05																			
1039731	**SRT-MW026**	**26 Oct 2023**		0.068	<0.05																			
749221	**SRT-MW026**	**07 Oct 2020**	<5	0.057	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1074377	**SRT-MW027**	**28 Feb 2024**		0.034	<0.05																			
1039731	**SRT-MW027**	**26 Oct 2023**		0.072	<0.05																			
749221	**SRT-MW027**	**07 Oct 2020**	17	0.056	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
1074377	**SRT-MW028**	**28 Feb 2024**		0.023	0.10																			
1069777	**SRT-MW028**	**14 Feb 2024**		0.14	0.19																			
1069777	**SRT-MW028**	**13 Feb 2024**		0.010	0.14																			
749221	**SRT-MW028**	**07 Oct 2020**	6.6	0.036	0.13	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	7	<1	<1	7	<5	<1
1074377	**SRT-MW101**	**27 Feb 2024**		0.033	<0.05																			
1039731	**SRT-MW101**	**27 Oct 2023**		0.091	<0.05																			
751004	**SRT-MW101**	**07 Oct 2020**	2.2	0.090	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1
729566	**SRT-MW101**	**02 Jul 2020**	1.2	0.031	<0.05	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
HEPA, January 2020, PFAS NEMP 2020 Recreational Water
2013, NEPM 2013 Table 1C GILs, Drinking Water
2013, NEPM 2013 Table 1C GILs, Fresh Waters
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S

Metro Chatswood
Pre Remediation Investigation

Table 6
Deep Groundwater Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

			PCBs						TPH				
			Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs(Sum of total)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			5	5	5	5	5	1	20	50	100	100	100
PFAS NEMP 2020 Drinking Water													
PFAS NEMP 2020 Freshwater 95%													
PFAS NEMP 2020 Freshwater 99%													
PFAS NEMP 2020 Recreational Water													
NEPM 2013 Table 1C GILs, Drinking Water													
NEPM 2013 Table 1C GILs, Fresh Waters				0.3		0.01							
NEPM 2013 Table 1A(4) Res HSL A & B GW for Vapour Intrusion, Silt													
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Silt													
Lab Report Number	**Field ID**	**Date**											
1074377	**SRT-MW004**	**27 Feb 2024**											
1039731	**SRT-MW004**	**27 Oct 2023**											
749221	**SRT-MW004**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	40	80	200	<100	280
729566	**SRT-MW004**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	60	<50	<100	<100	<100
1074377	**SRT-MW006**	**28 Feb 2024**											
1069777	**SRT-MW006**	**14 Feb 2024**											
1069777	**SRT-MW006**	**13 Feb 2024**											
749221	**SRT-MW006**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	40	<50	<100	<100	<100
729566	**SRT-MW006**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	300	<50	<100	<100	<100
1074377	**SRT-MW009**	**28 Feb 2024**											
1039731	**SRT-MW009**	**26 Oct 2023**											
749221	**SRT-MW009**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	<20	60	200	<100	260
729566	**SRT-MW009**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	<20	<50	<100	<100	<100
1074377	**SRT-MW011**	**28 Feb 2024**											
1039731	**SRT-MW011**	**26 Oct 2023**											
749221	**SRT-MW011**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	<20	130	300	<100	430
729566	**SRT-MW011**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	<20	<50	400	<100	400
1074377	**SRT-MW013**	**28 Feb 2024**											
1069777	**SRT-MW013**	**14 Feb 2024**											
1069777	**SRT-MW013**	**13 Feb 2024**											
749221	**SRT-MW013**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	120	220	300	<100	520
729566	**SRT-MW013**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	380	810	300	<100	1,110
749221	**SRT-MW017**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	<20	110	200	<100	310
729566	**SRT-MW017**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	<20	<50	<100	<100	<100
1074377	**SRT-MW018**	**28 Feb 2024**											
1039731	**SRT-MW018**	**27 Oct 2023**											
749221	**SRT-MW018**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	30	<50	<100	<100	<100
729566	**SRT-MW018**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	210	<50	<100	<100	<100
1039731	**SRT-MW022**	**27 Oct 2023**											
749221	**SRT-MW022**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	30	<50	200	<100	200
729566	**SRT-MW022**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	70	<50	<100	<100	<100
749221	**SRT-MW024**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	<20	<50	200	<100	200
729566	**SRT-MW024**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	40	<50	<100	<100	<100
1074377	**SRT-MW025**	**28 Feb 2024**											
1039731	**SRT-MW025**	**27 Oct 2023**											
749221	**SRT-MW025**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	<20	<50	<100	<100	<100
1074377	**SRT-MW026**	**27 Feb 2024**											
1039731	**SRT-MW026**	**26 Oct 2023**											
749221	**SRT-MW026**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	<20	<50	100	<100	100
1074377	**SRT-MW027**	**28 Feb 2024**											
1039731	**SRT-MW027**	**26 Oct 2023**											
749221	**SRT-MW027**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	120	290	300	<100	590
1074377	**SRT-MW028**	**28 Feb 2024**											
1069777	**SRT-MW028**	**14 Feb 2024**											
1069777	**SRT-MW028**	**13 Feb 2024**											
749221	**SRT-MW028**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	1,400	130	<100	<100	130
1074377	**SRT-MW101**	**27 Feb 2024**											
1039731	**SRT-MW101**	**27 Oct 2023**											
751004	**SRT-MW101**	**07 Oct 2020**	<5	<5	<5	<5	<5	<1	<20	<50	<100	<100	<100
729566	**SRT-MW101**	**02 Jul 2020**	<5	<5	<5	<5	<5	<1	<20	<50	<100	<100	<100

Environmental Standards
HEPA, January 2020, PFAS NEMP 2020 Drinking Water
HEPA, January 2020, PFAS NEMP 2020 Freshwater 80%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 90%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%
HEPA, January 2020, PFAS NEMP 2020 Freshwater 99%
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2013, NEPM 2013 Table 1C GILs, Drinking Water
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2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, S

Table A - Validation Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

				Asbestos	BTEX							TRH							Metals							
				D - Detect, ND - Non-Detect	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 Fraction (F1)	C6-C10	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.5	0.1	0.1	0.1	0.2	0.1	0.3	10	10	50	50	100	100	50	2	0.4	2	5	5	0.1	2	5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt					4	0.6 | 0.7 | 1 | 2	390				95 | 210		40 | 65 | 100 | 190	230											
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Spac					170														100		410	230	1100		230	540
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil						50	85	70			105		180	120	120	300	2,800									
NEPM 2013 Table 1A(1) HILs Res A Soil																			100	20		6,000	300	40	400	7,400
Report Number	**Field ID**	**Sample Type**	**Date**																							
1080441	**V003**	**Floor**	**20 Mar 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	110	110	3,000	<100	3,110	10	<0.4	65	<5	19	<0.1	5.6	12
1080441	**V004**	**Floor**	**20 Mar 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.9	<0.4	32	<5	8.7	<0.1	5.7	<5
1083084	**V014**	**Floor**	**26 Mar 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.3	<0.4	46	<5	7.2	<0.1	<5	<5
1083084	**V015**	**Floor**	**26 Mar 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.2	<0.4	39	<5	6.6	<0.1	<5	<5
1089577	**V018**	**Wall**	**19 Apr 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.5	<0.4	35	16	13	<0.1	13	27
1089577	**V019**	**Wall**	**19 Apr 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.3	<0.4	55	7.1	14	<0.1	6.9	33
1089577	**V020**	**Wall**	**19 Apr 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.4	<0.4	53	7.3	11	<0.1	9.1	15
1089577	**V021**	**Wall**	**19 Apr 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.9	<0.4	53	5.9	13	<0.1	5.6	8.8
1089577	**V022**	**Wall**	**19 Apr 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.1	<0.4	22	<5	17	<0.1	<5	<5
1089577	**V023**	**Wall**	**19 Apr 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.3	<0.4	79	<5	10	<0.1	7.6	<5
1089577	**V030**	**Floor**	**19 Apr 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.5	<0.4	52	<5	7.8	<0.1	<5	<5
1089577	**V031**	**Floor**	**19 Apr 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.6	<0.4	59	<5	7.6	<0.1	<5	<5
1093220	**V032**	**Wall**	**02 May 2024**	ND	<0.5	<0.1	0.7	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.0	<0.4	20	62	17	<0.1	8.6	77
1093220	**V033**	**Wall**	**02 May 2024**	ND	<0.5	<0.1	0.7	<0.1	0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.2	<0.4	54	22	44	<0.1	33	110
1109461	**V037**	**Wall**	**18 Jun 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.1	<0.4	48	<5	13	<0.1	5.4	16
1109461	**V038**	**Wall**	**18 Jun 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.2	<0.4	50	<5	27	<0.1	6.4	15
1109461	**V040**	**Floor**	**18 Jun 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	88	<5	12	0.1	11	6.7
1109461	**V041**	**Floor**	**18 Jun 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.2	<0.4	70	<5	10	0.1	6.7	<5
1109779	**V046**	**Floor**	**19 Jun 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	13	<0.4	67	<5	15	0.2	7.5	23
1109779	**V047**	**Floor**	**19 Jun 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.9	<0.4	53	<5	14	0.1	5.6	7.8
1109779	**V048**	**Floor**	**19 Jun 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	72	72	<50	<50	<100	<100	<100	17	<0.4	79	<5	16	<0.1	5.7	<5
1113178	**V049**	**Floor**	**28 Jun 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	64	<5	14	<0.1	6.7	9.8
1113178	**V050**	**Floor**	**28 Jun 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.1	<0.4	33	<5	11	<0.1	5.7	24
1113178	**V051**	**Floor**	**28 Jun 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	75	<5	15	<0.1	8.2	<5
1113178	**V052**	**Floor**	**28 Jun 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.9	<0.4	57	<5	11	<0.1	6.8	5.9
1116482	**V053**	**Floor**	**08 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.2	<0.4	57	5.4	38	0.1	10	60
1116482	**V054**	**Floor**	**08 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.9	<0.4	60	6.0	41	0.1	10	71
1116482	**V055**	**Floor**	**08 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.9	<0.4	47	<5	7.8	<0.1	6.1	<5
1116482	**V056**	**Floor**	**08 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.7	<0.4	48	<5	13	<0.1	5.9	17
1120513	**V057**	**Floor**	**19 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.7	<0.4	26	<5	25	<0.1	<5	11
1120513	**V058**	**Wall**	**19 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.8	<0.4	25	<5	20	<0.1	<5	71
1120513	**V059**	**Wall**	**19 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.4	<0.4	48	<5	25	<0.1	<5	37
1120513	**V060**	**Wall**	**19 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.7	<0.4	52	<5	13	<0.1	<5	6.4
1120513	**V061**	**Wall**	**19 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.9	<0.4	30	12	36	<0.1	5.9	41
1120513	**V062**	**Wall**	**19 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.2	<0.4	48	<5	26	<0.1	<5	34
1120513	**V063**	**Wall**	**19 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.4	<0.4	15	24	28	<0.1	5.7	42
1120513	**V064**	**Wall**	**19 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.5	<0.4	52	<5	21	<0.1	<5	24
1122342	**V065**	**Floor**	**24 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	180	180	<50	<50	<100	<100	<100	18	<0.4	74	<5	16	<0.1	<5	<5
1122342	**V066**	**Floor**	**24 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	120	120	53	53	<100	<100	<100	4.0	<0.4	21	<5	12	<0.1	<5	<5
1122342	**V067**	**Floor**	**24 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	220	220	210	210	<100	<100	210	18	<0.4	67	<5	20	<0.1	<5	6.4
1122342	**V068**	**Floor**	**24 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	130	130	190	190	<100	<100	190	9.0	<0.4	30	<5	13	<0.1	<5	<5
1122648	**V072**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.1	<0.4	61	<5	13	<0.1	5.2	<5
1122648	**V073**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	12	<0.4	59	<5	15	<0.1	<5	<5
1122648	**V074**	**Floor**	**26 Jul 2024**	-	<0.5	1.2	0.5	0.2	0.5	0.1	0.7	<20	<20	<50	<50	<100	<100	<100	6.3	<0.4	25	8.0	25	<0.1	<5	40
1122648	**V075**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	15	<0.4	57	<5	17	<0.1	<5	<5
1122648	**V076**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.8	<0.4	52	<5	11	<0.1	<5	<5
1122648	**V077**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.8	<0.4	42	<5	14	<0.1	<5	5.3
1122648	**V078**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	15	<0.4	76	<5	20	0.1	<5	<5
1122648	**V079**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	50	50	<100	<100	<100	7.3	<0.4	39	<5	11	<0.1	<5	<5
1122648	**V080**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	61	<5	24	<0.1	6.0	18
1122648	**V081**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.5	<0.4	58	<5	13	<0.1	5.0	5.7
1122648	**V082**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.4	<0.4	52	<5	13	<0.1	<5	<5
1122648	**V083**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	59	<5	16	<0.1	5.4	9.6
1122648	**V084**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.6	<0.4	51	<5	19	<0.1	<5	12
1122648	**V085**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.2	<0.4	41	<5	10	<0.1	<5	<5
1122648	**V086**	**Floor**	**26 Jul 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	50	<5	22	0.1	<5	23
1124812	**V087**	**Floor**	**02 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	14	<0.4	46	19	35	<0.1	11	50
1124812	**V088**	**Floor**	**02 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	220	370	590	5.8	<0.4	39	<5	16	<0.1	<5	8.1
1124812	**V089**	**Floor**	**02 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.2	<0.4	55	<5	18	<0.1	5.8	13
1124812	**V090**	**Floor**	**02 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	58	58	86	86	<100	<100	<100	10	<0.4	46	<5	14	<0.1	5.2	9.0
1127183	**V091**	**Wall**	**09 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.1	<0.4	51	7.5	48	0.1	<5	43
1127183	**V092**	**Wall**	**09 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	22	<0.4	84	<5	32	<0.1	<5	13
1127183	**V093**	**Floor**	**09 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.8	<0.4	26	<5	9.7	<0.1	<5	<5
1127183	**V094**	**Floor**	**09 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	57	5.3	23	0.2	6.4	29
1127582	**V096**	**Wall**	**09 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.1	<0.4	59	10	34	<0.1	22	42
1127582	**V097**	**Wall**	**09 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.8	<0.4	53	<5	51	<0.1	<5	59
1127582	**V098**	**Wall**	**09 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.2	<0.4	41	14	27	<0.1	9.3	46
1128119	**V099**	**Floor**	**13 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	100	100	<50	<50	<100	<100	<100	5.2	<0.4	21	<5	8.7	<0.1	<5	<5
1128119	**V100**	**Floor**	**13 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	85	85	240	240	<100	<100	240	20	<0.4	55	<5	17	<0.1	<5	<5

Table A - Validation Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

					Asbestos	BTEX							TRH							Metals							
					D - Detect, ND - Non-Detect	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 Fraction (F1)	C6-C10	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL						0.5	0.1	0.1	0.1	0.2	0.1	0.3	10	10	50	50	100	100	50	2	0.4	2	5	5	0.1	2	5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt						4	0.6 | 0.7 | 1 | 2	390				95 | 210		40 | 65 | 100 | 190	230											
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Spac						170														100		410	230	1100		230	540
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil							50	85	70			105		180	120	120	300	2,800									
NEPM 2013 Table 1A(1) HILs Res A Soil																				100	20		6,000	300	40	400	7,400
Report Number	**Field ID**	**Sample Type**	**Date**																								
1128119	**V101**	**Floor**	**13 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	240	240	<50	<50	<100	<100	<100	9.5	<0.4	35	<5	13	<0.1	<5	<5
1128119	**V102**	**Floor**	**13 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	33	33	<50	<50	<100	<100	<100	4.5	<0.4	21	<5	8.6	<0.1	<5	<5
1128795	**V103**	**Wall**	**14 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.9	<0.4	37	<5	13	<0.1	<5	<5
1128795	**V104**	**Wall**	**14 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	45	<5	14	<0.1	<5	<5
1128795	**V105**	**Wall**	**14 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<2	<0.4	11	<5	5.7	<0.1	<5	<5
1128795	**V106**	**Wall**	**14 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.1	<0.4	33	<5	14	<0.1	<5	5.8
1128795	**V107**	**Wall**	**14 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.3	<0.4	22	<5	6.4	<0.1	<5	<5
1128795	**V108**	**Wall**	**14 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.3	<0.4	33	<5	8.4	<0.1	<5	<5
1131985	**V109**	**Floor**	**21 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	13	<0.4	49	<5	15	<0.1	<5	<5
1131985	**V110**	**Floor**	**23 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	24	<0.4	57	<5	18	<0.1	<5	5.8
1131985	**V111**	**Floor**	**23 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	25	25	<50	<50	<100	<100	<100	11	<0.4	38	<5	17	<0.1	<5	<5
1131985	**V112**	**Wall**	**23 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	430	430	130	130	<100	<100	130	13	<0.4	63	<5	18	<0.1	<5	<5
1131985	**V113**	**Wall**	**23 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	100	100	<50	<50	<100	<100	<100	21	<0.4	72	<5	22	<0.1	<5	<5
1131985	**V114**	**Wall**	**23 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	34	34	84	84	<100	<100	<100	11	<0.4	55	<5	21	<0.1	<5	<5
1134614	**V115**	**Floor**	**28 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.3	<0.4	63	<5	15	<0.1	9.1	10
1134614	**V116**	**Floor**	**28 Aug 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	91	<5	14	0.1	5.6	<5
1134614	**V117**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.3	<0.4	14	7.3	13	<0.1	6.4	27
1134614	**V118**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	12	<0.4	100	<5	19	<0.1	7.2	21
1134614	**V119**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.8	<0.4	14	8.2	15	<0.1	9.1	31
1134614	**V120**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.9	<0.4	87	7.5	21	<0.1	12	27
1134614	**V121**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	100	<5	15	<0.1	7.0	<5
1134614	**V122**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.9	<0.4	71	<5	13	<0.1	5.2	27
1134614	**V123**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	100	<5	14	<0.1	7.2	<5
1134614	**V124**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	120	<5	16	<0.1	6.4	<5
1134614	**V125**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.7	<0.4	13	<5	12	<0.1	<5	7.6
1134614	**V126**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.5	<0.4	19	13	29	<0.1	10.0	52
1134614	**V127**	**Floor**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	94	<5	15	<0.1	5.8	<5
1134614	**V134**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.9	<0.4	87	<5	15	<0.1	6.6	<5
1134614	**V135**	**Wall**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.4	<0.4	62	56	16	<0.1	20	64
1134614	**V136**	**Floor**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	12	<0.4	120	<5	17	<0.1	9.3	170
1134614	**V137**	**Floor**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.8	<0.4	92	<5	16	<0.1	7.9	12
1134614	**V138**	**Floor**	**28 Aug 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	14	<0.4	94	<5	14	<0.1	<5	<5
1135465	**V143**	**Floor**	**03 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	54	<5	43	<0.1	5.1	74
1135465	**V144**	**Floor**	**03 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.7	<0.4	65	<5	15	0.1	<5	<5
1135465	**V145**	**Floor**	**03 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.1	<0.4	64	<5	13	<0.1	7.5	5.7
1135465	**V146**	**Floor**	**03 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.4	<0.4	75	<5	18	<0.1	8.6	5.5
1135465	**V147**	**Floor**	**03 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.0	<0.4	65	<5	16	0.1	6.6	41
1135465	**V148**	**Floor**	**03 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.6	<0.4	77	<5	21	0.1	9.9	27
1135465	**V149**	**Floor**	**03 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.2	<0.4	73	<5	15	0.1	8.2	7.0
1135465	**V150**	**Floor**	**03 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.1	<0.4	64	<5	14	<0.1	8.3	17
1137637	**V161**	**Floor**	**10 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.0	<0.4	54	<5	8.7	0.1	<5	<5
1137637	**V162**	**Floor**	**10 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.7	<0.4	47	<5	7.2	<0.1	<5	<5
1137637	**V165**	**Floor**	**10 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.2	<0.4	54	<5	9.1	<0.1	5.2	<5
1141803	**V166**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.0	<0.4	65	<5	17	<0.1	10	<5
1141803	**V167**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.4	<0.4	47	<5	9.4	<0.1	6.0	<5
1141803	**V168**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.3	<0.4	70	<5	11	<0.1	9.2	6.5
1141803	**V169**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.0	<0.4	41	<5	17	<0.1	5.9	12
1141803	**V170**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.7	<0.4	57	<5	12	<0.1	6.9	<5
1141803	**V171**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.6	<0.4	65	<5	9.6	0.1	5.9	<5
1141803	**V172**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.7	<0.4	63	<5	11	<0.1	6.7	<5
1141803	**V173**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.3	<0.4	58	<5	8.0	<0.1	5.3	<5
1141803	**V174**	**Floor**	**18 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.5	<0.4	66	<5	12	0.1	7.2	37
1141803	**V175**	**Floor**	**19 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.0	<0.4	47	<5	7.0	<0.1	<5	<5
1141803	**V176**	**Floor**	**19 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.4	<0.4	59	<5	10	<0.1	7.6	<5
1141803	**V177**	**Floor**	**19 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.6	<0.4	61	<5	11	0.1	<5	<5
1141803	**V178**	**Floor**	**19 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.8	<0.4	64	<5	11	<0.1	6.7	5.3
1141803	**V179**	**Floor**	**19 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.4	<0.4	59	<5	9.4	<0.1	6.0	<5
1141803	**V180**	**Floor**	**19 Sep 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.0	<0.4	31	<5	8.2	<0.1	5.8	5.9
1143237	**V181**	**Floor**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	17	<0.4	65	<5	17	<0.1	<5	<5
1143237	**V182**	**Wall**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	58	6.5	200	<0.1	5.5	590
1143237	**V183**	**Wall**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.4	<0.4	39	<5	15	<0.1	<5	<5
1143237	**V184**	**Wall**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	14	<0.4	52	<5	15	<0.1	<5	5.3
1143237	**V185**	**Wall**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	54	<5	18	<0.1	<5	67
1143237	**V186**	**Floor**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	15	<0.4	43	<5	13	<0.1	<5	<5
1143237	**V187**	**Wall**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	13	<0.4	37	<5	14	<0.1	<5	<5
1143237	**V188**	**Wall**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	17	<0.4	50	<5	27	<0.1	<5	<5
1143237	**V189**	**Floor**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	16	<0.4	72	<5	16	<0.1	<5	<5
1143237	**V190**	**Wall**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	35	35	<50	<50	<100	<100	<100	11	<0.4	41	<5	15	<0.1	<5	<5
1143237	**V191**	**Floor**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	150	150	<50	<50	<100	<100	<100	4.2	<0.4	11	<5	14	<0.1	<5	<5

Table A - Validation Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

				Asbestos	BTEX							TRH							Metals							
				D - Detect, ND - Non-Detect	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 Fraction (F1)	C6-C10	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.5	0.1	0.1	0.1	0.2	0.1	0.3	10	10	50	50	100	100	50	2	0.4	2	5	5	0.1	2	5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt					4	0.6 | 0.7 | 1 | 2	390				95 | 210		40 | 65 | 100 | 190	230											
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Spac					170														100		410	230	1100		230	540
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil						50	85	70			105		180	120	120	300	2,800									
NEPM 2013 Table 1A(1) HILs Res A Soil																			100	20		6,000	300	40	400	7,400
Report Number	**Field ID**	**Sample Type**	**Date**																							
1143237	**V192**	**Wall**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	12	<0.4	42	<5	13	<0.1	<5	410
1143237	**V193**	**Floor**	**24 Sep 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	51	51	<50	<50	<100	<100	<100	9.7	<0.4	34	<5	21	<0.1	<5	120
1147332	**V194**	**Wall**	**09 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	16	<0.4	74	<5	19	<0.1	<5	<5
1147332	**V195**	**Wall**	**09 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<2	<0.4	<5	<5	21	<0.1	<5	30
1147332	**V196**	**Floor**	**09 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	140	140	52	52	<100	<100	<100	13	<0.4	42	<5	18	<0.1	<5	6.2
1147332	**V197**	**Wall**	**09 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.7	<0.4	32	<5	32	<0.1	<5	<5
1147332	**V198**	**Wall**	**09 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	59	59	180	180	<100	<100	180	16	<0.4	79	<5	22	<0.1	<5	5.7
1147332	**V199**	**Floor**	**09 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	120	120	72	72	<100	<100	<100	25	<0.4	58	<5	23	<0.1	<5	<5
1148270	**V200**	**Wall**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	52	52	<100	<100	<100	9.9	<0.4	59	<5	12	<0.1	<5	<5
1148270	**V201**	**Wall**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	67	67	140	140	<100	<100	140	21	<0.4	89	<5	21	<0.1	<5	<5
1148270	**V202**	**Wall**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	75	<5	18	0.2	<5	<5
1148270	**V203**	**Wall**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	50	50	<50	<50	<100	110	110	18	<0.4	74	<5	22	<0.1	<5	30
1148270	**V204**	**Wall**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.0	<0.4	59	<5	15	<0.1	<5	5.9
1148270	**V205**	**Wall**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	15	<0.4	85	<5	20	<0.1	<5	<5
1148270	**V206**	**Floor**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	140	140	66	66	<100	<100	<100	25	<0.4	86	<5	20	<0.1	<5	<5
1148270	**V207**	**Floor**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	170	170	<50	<50	<100	<100	<100	19	<0.4	47	<5	16	<0.1	<5	<5
1148270	**V208**	**Floor**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	37	37	<50	<50	<100	<100	<100	27	<0.4	69	<5	19	<0.1	<5	<5
1148270	**V209**	**Floor**	**11 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	22	22	<50	<50	<100	<100	<100	12	<0.4	40	<5	14	<0.1	<5	11
1149038	**V210**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.3	<0.4	58	<5	11	<0.1	<5	<5
1149038	**V211**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.9	<0.4	56	8.0	60	0.2	6.3	150
1149038	**V212**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.7	<0.4	57	<5	8.1	<0.1	5.5	<5
1149038	**V213**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.2	<0.4	42	7.1	80	5.7	5.8	48
1149038	**V214**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.7	<0.4	60	5.2	46	0.1	6.1	47
1149038	**V215**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.2	<0.4	65	<5	17	0.1	7.1	43
1149038	**V216**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.3	<0.4	56	6.8	37	<0.1	7.8	130
1149038	**V217**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.4	<0.4	56	<5	13	<0.1	<5	13
1149038	**V218**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.9	<0.4	59	<5	18	<0.1	6.2	33
1149038	**V219**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.0	<0.4	70	<5	11	<0.1	7.0	<5
1149038	**V220**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.1	<0.4	64	<5	14	<0.1	5.2	120
1149038	**V221**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.9	<0.4	65	<5	17	<0.1	9.9	37
1149038	**V222**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.0	<0.4	52	<5	33	<0.1	6.4	320
1149038	**V223**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	84	7.0	44	<0.1	7.5	120
1149038	**V224**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.7	<0.4	79	5.5	44	0.2	6.8	31
1149038	**V225**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.5	<0.4	65	<5	8.7	<0.1	<5	<5
1149038	**V226**	**Floor**	**14 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	14	0.4	140	<5	20	0.2	11	35
1149038	**V227**	**Floor**	**14 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.0	<0.4	62	<5	19	<0.1	5.4	22
1149038	**V228**	**Floor**	**14 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.3	<0.4	59	<5	7.5	<0.1	<5	<5
1149038	**V229**	**Floor**	**14 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.6	<0.4	62	<5	14	<0.1	6.6	<5
1149038	**V230**	**Floor**	**14 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.1	<0.4	44	<5	7.3	<0.1	<5	<5
1149038	**V231**	**Floor**	**14 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.0	<0.4	60	<5	17	<0.1	5.0	7.5
1149038	**V232**	**Floor**	**14 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.8	<0.4	63	<5	9.0	<0.1	<5	6.5
1149038	**V233**	**Floor**	**14 Oct 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.7	<0.4	74	<5	10	<0.1	<5	<5
1153807	**V234**	**Floor**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.0	<0.4	69	<5	11	<0.1	5.5	<5
1153807	**V235**	**Floor**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.2	<0.4	60	<5	15	<0.1	5.2	54
1153807	**V236**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.1	<0.4	43	12	38	<0.1	13	79
1153807	**V237**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.1	<0.4	44	30	170	0.2	21	240
1153807	**V238**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.8	<0.4	49	11	62	<0.1	9.1	66
1153807	**V239**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.2	<0.4	23	20	19	<0.1	11	88
1153807	**V240**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.5	0.8	36	93	260	0.8	12	450
1153807	**V241**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.7	<0.4	41	<5	22	<0.1	<5	18
1153807	**V242**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	330	<100	330	7.0	<0.4	34	21	130	0.2	<5	170
1153807	**V243**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.0	<0.4	77	30	72	0.1	75	140
1153807	**V244**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.5	<0.4	40	20	40	<0.1	37	97
1153807	**V245**	**Wall**	**25 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.5	<0.4	25	<5	12	<0.1	<5	13
1155919	**V246**	**Floor**	**31 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	51	51	<50	<50	<100	<100	<100	16	<0.4	80	<5	24	<0.1	<5	14
1155919	**V247**	**Floor**	**31 Oct 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.8	<0.4	83	<5	14	<0.1	12	9.4
1159250	**V248**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.0	<0.4	63	<5	9.7	0.1	<5	14
1159250	**V249**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.1	<0.4	78	<5	15	<0.1	7.5	13
1159250	**V250**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	82	5.4	12	0.1	6.2	10
1159250	**V251**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.7	<0.4	74	<5	11	<0.1	6.7	<5
1159250	**V252**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.6	<0.4	64	<5	11	0.1	5.8	27
1159250	**V253**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.2	<0.4	56	8.6	47	0.1	<5	49
1159250	**V254**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.9	<0.4	61	<5	10	0.1	7.2	<5
1159250	**V255**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.2	<0.4	78	<5	14	0.2	8.1	<5
1159250	**V256**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	79	12	26	0.1	<5	16
1159250	**V257**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.7	<0.4	70	<5	8.8	<0.1	<5	<5
1159250	**V258**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.6	<0.4	64	<5	14	<0.1	<5	17
1159250	**V259**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.4	<0.4	66	<5	11	<0.1	<5	5.8
1159250	**V260**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.2	<0.4	80	<5	10	<0.1	<5	<5

				Asbestos	BTEX							TRH							Metals							
				D - Detect, ND - Non-Detect	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 Fraction (F1)	C6-C10	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.5	0.1	0.1	0.1	0.2	0.1	0.3	10	10	50	50	100	100	50	2	0.4	2	5	5	0.1	2	5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt					4	0.6 | 0.7 | 1 | 2	390				95 | 210		40 | 65 | 100 | 190	230											
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Spac					170														100		410	230	1100		230	540
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil						50	85	70			105		180	120	120	300	2,800									
NEPM 2013 Table 1A(1) HILs Res A Soil																			100	20		6,000	300	40	400	7,400
Report Number	**Field ID**	**Sample Type**	**Date**																							
1159250	**V261**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.8	<0.4	75	<5	6.7	<0.1	<5	<5
1159250	**V262**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	83	<5	14	<0.1	5.6	5.3
1159250	**V263**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.6	<0.4	60	<5	10	<0.1	<5	8.8
1159250	**V264**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.6	<0.4	60	<5	11	0.2	<5	5.3
1159250	**V265**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.1	<0.4	73	<5	14	<0.1	<5	22
1159250	**V266**	**Floor**	**12 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.7	<0.4	72	8.7	13	<0.1	<5	14
1160525	**V267**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.1	<0.4	50	<5	20	<0.1	7.2	14
1160525	**V268**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.3	<0.4	53	<5	11	<0.1	6.4	12
1160525	**V269**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.1	<0.4	57	<5	9.0	<0.1	<5	<5
1160525	**V270**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.1	<0.4	53	<5	11	<0.1	5.6	10
1160525	**V271**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.6	<0.4	50	<5	11	<0.1	5.0	7.3
1160525	**V272**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.9	<0.4	51	<5	11	<0.1	5.7	<5
1160525	**V273**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.6	<0.4	59	<5	14	<0.1	8.4	21
1160525	**V274**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.6	<0.4	50	<5	17	0.1	5.5	20
1160525	**V275**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.0	<0.4	54	<5	11	<0.1	5.1	<5
1160525	**V276**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.8	<0.4	64	<5	11	0.1	7.8	<5
1160525	**V277**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.8	<0.4	53	<5	11	<0.1	6.4	9.9
1160525	**V278**	**Floor**	**14 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.5	<0.4	47	<5	6.8	<0.1	<5	9.4
1160769	**V279**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.6	<0.4	73	<5	9.4	0.1	6.8	5.3
1160769	**V280**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.8	<0.4	57	<5	9.3	<0.1	5.9	<5
1160769	**V281**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.1	<0.4	46	<5	5.5	<0.1	<5	<5
1160769	**V282**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.8	<0.4	74	<5	9.4	<0.1	6.6	<5
1160769	**V283**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.1	<0.4	63	<5	6.1	<0.1	5.6	<5
1160769	**V284**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.7	<0.4	71	<5	8.2	<0.1	7.3	<5
1160769	**V285**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.7	<0.4	74	<5	15	<0.1	5.2	<5
1160769	**V286**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.6	<0.4	54	<5	6.0	<0.1	<5	<5
1160769	**V287**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	9.7	<0.4	87	<5	14	0.1	9.5	5.7
1160769	**V288**	**Floor**	**15 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.3	<0.4	66	<5	10	0.1	6.5	<5
1164878	**V289**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.1	<0.4	75	<5	8.2	<0.1	5.1	<5
1164878	**V290**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.0	<0.4	66	<5	7.8	<0.1	<5	<5
1164878	**V291**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	11	<0.4	95	<5	15	0.1	<5	<5
1164878	**V292**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.5	<0.4	66	<5	9.9	<0.1	<5	<5
1164878	**V293**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.3	<0.4	74	<5	11	<0.1	<5	<5
1164878	**V294**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.9	<0.4	69	<5	9.8	<0.1	<5	<5
1164878	**V295**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.8	<0.4	52	<5	16	<0.1	<5	<5
1164878	**V296**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.0	<0.4	65	<5	6.3	<0.1	<5	<5
1164878	**V297**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.7	<0.4	61	<5	9.2	<0.1	<5	<5
1164878	**V298**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.8	<0.4	64	<5	9.6	<0.1	<5	<5
1164878	**V299**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.7	<0.4	60	<5	9.4	<0.1	<5	<5
1164878	**V300**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.4	<0.4	58	<5	5.7	<0.1	<5	<5
1164878	**V301**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.4	<0.4	55	<5	7.2	<0.1	<5	<5
1164878	**V302**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.3	<0.4	59	<5	9.4	<0.1	<5	<5
1164878	**V303**	**Floor**	**27 Nov 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.1	<0.4	42	<5	5.6	<0.1	<5	<5
1167506	**V304**	**Floor**	**03 Dec 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<2	<0.4	<5	7.5	<5	<0.1	11	<5
1167506	**V305**	**Floor**	**03 Dec 2024**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.9	<0.4	28	8.2	5.1	<0.1	12	<5
1167506	**V306**	**Floor**	**03 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.2	<0.4	66	<5	10	<0.1	<5	6.0
1167506	**V307**	**Floor**	**03 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.8	<0.4	60	<5	8.1	<0.1	<5	<5
1167506	**V308**	**Floor**	**03 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.8	<0.4	73	<5	11	<0.1	<5	<5
1167506	**V309**	**Floor**	**03 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.0	<0.4	65	<5	15	0.1	<5	22
1170854	**V310**	**Floor**	**12 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.4	<0.4	63	<5	18	<0.1	<5	28
1170854	**V311**	**Floor**	**12 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.9	<0.4	73	<5	11	<0.1	<5	<5
1170854	**V312**	**Floor**	**12 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.6	<0.4	64	<5	9.9	<0.1	<5	<5
1170854	**V313**	**Wall**	**12 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.5	<0.4	46	16	13	<0.1	7.0	19
ES2441030	**V316**	**Wall**	**12 Dec 2024**	ND	<1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<50	<50	<100	<100	<50	<5	<1	46	19	7	<0.1	54	38
1170854	**V317**	**Wall**	**12 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.7	<0.4	65	<5	9.8	<0.1	<5	<5
1170854	**V318**	**Wall**	**12 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.6	<0.4	61	5.8	30	<0.1	5.1	21
1171952	**V319**	**Wall**	**16 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.6	<0.4	68	24	21	<0.1	42	48
1171952	**V320**	**Wall**	**16 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.5	<0.4	110	30	6.0	<0.1	96	67
1171952	**V321**	**Wall**	**16 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	<2	<0.4	64	31	<5	<0.1	76	58
1171952	**V322**	**Wall**	**16 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.6	<0.4	94	21	16	<0.1	43	67
1171952	**V323**	**Wall**	**16 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.4	<0.4	83	23	7.6	<0.1	74	53
1171952	**V324**	**Wall**	**16 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.5	<0.4	11	19	8.2	<0.1	18	28
1171952	**V325**	**Wall**	**16 Dec 2024**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.1	<0.4	97	26	6.1	<0.1	97	56
1222748	**V326**	**Floor**	**20 May 2025**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.4	<0.4	77	<5	13	<0.1	6.3	6.3
1222748	**V327**	**Floor**	**20 May 2025**	-	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.4	<0.4	71	<5	10	<0.1	6.1	<5
1255325	**V328**	**Floor**	**12 Aug 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.7	<0.4	37	<5	8.5	<0.1	5.7	<5
1255325	**V329**	**Floor**	**12 Aug 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.4	<0.4	60	<5	13	<0.1	7.3	13
1255325	**V330**	**Wall**	**12 Aug 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.3	<0.4	27	<5	13	<0.1	<5	6.3
1255325	**V331**	**Wall**	**12 Aug 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.3	<0.4	50	<5	21	<0.1	6.0	10

		Asbestos	BTEX							TRH							Metals							
		D - Detect, ND - Non-Detect	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 Fraction (F1)	C6-C10	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.1	0.1	0.1	0.2	0.1	0.3	10	10	50	50	100	100	50	2	0.4	2	5	5	0.1	2	5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt			4	0.6 | 0.7 | 1 | 2	390				95 | 210		40 | 65 | 100 | 190		230										
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Spac			170														100		410	230	1100		230	540
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil				50	85	70			105		180	120	120	300	2,800									
NEPM 2013 Table 1A(1) HILs Res A Soil																	100	20		6,000	300	40	400	7,400
Report Number	**Field ID**	**Sample Type**	**Date**																						
1284736	**V332**	**Floor**	**27 Oct 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	4.3	<0.4	54	<5	7.6	<0.1	5.6	<5
1284736	**V333**	**Floor**	**27 Oct 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.1	<0.4	41	<5	6.9	<0.1	<5	<5
1284736	**V334**	**Floor**	**27 Oct 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.0	<0.4	73	<5	12	<0.1	6.5	<5
1284736	**V335**	**Wall**	**27 Oct 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.2	<0.4	26	<5	17	<0.1	<5	11
1290077	**V336**	**Floor**	**27 Oct 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	10	<0.4	81	<5	12	<0.1	5.6	<5
1290077	**V337**	**Floor**	**27 Oct 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	6.6	<0.4	60	<5	12	<0.1	5.3	160
1290077	**V338**	**Floor**	**27 Oct 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.2	<0.4	73	<5	8.1	<0.1	<5	<5
1290077	**V339**	**Floor**	**27 Oct 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.6	<0.4	57	<5	11	<0.1	8.7	7.6
1290631	**V340**	**Wall**	**11 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.2	<0.4	37	14	46	<0.1	28	61
1290631	**V341**	**Wall**	**11 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	3.3	<0.4	31	13	62	<0.1	12	72
1290631	**V342**	**Wall**	**11 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	2.8	<0.4	93	26	11	<0.1	87	56
1292366	**V343_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V344_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V345_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V346_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V347_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V348_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V349_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V350_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V351_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V352_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V353_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V354_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V355_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V356_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V357_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V358_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V359_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V360_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V361_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V362_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V363_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V364_A**	**Wall**	**12 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V365**	**Wall**	**12 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.1	<0.4	87	8.1	36	<0.1	26	20
1294749	**V369**	**Wall**	**18 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	140	140	8.6	<0.4	87	<5	13	<0.1	<5	<5
1294749	**V370**	**Wall**	**18 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	210	460	670	2.0	<0.4	6.6	7.2	9.2	<0.1	<5	42
1294749	**V371**	**Floor**	**18 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	8.7	<0.4	71	8.5	30	<0.1	9.0	41
1294749	**V372**	**Floor**	**18 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	5.7	<0.4	41	6.5	12	<0.1	5.6	18
1294749	**V373**	**Floor**	**18 Nov 2025**	ND	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<100	<100	<100	7.2	<0.4	67	<5	9.2	<0.1	<5	14
1294879	**V366_A**	**Floor**	**13 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1294879	**V367_A**	**Floor**	**13 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1294879	**V368_A**	**Floor**	**13 Nov 2025**	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards

2013, NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Res A Soil

Table A - Validation Results

nation partners SOLUTIONS FOR COMPLEX PROJECTS

				PAH																			
				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Ir																	4						
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Pub																	170						
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse So								0.7															
NEPM 2013 Table 1A(1) HILs Res A Soil																				3	3	3	300
Report Number	**Field ID**	**Sample Type**	**Date**																				
1080441	**V003**	**Floor**	**20 Mar 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1080441	**V004**	**Floor**	**20 Mar 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1083084	**V014**	**Floor**	**26 Mar 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1083084	**V015**	**Floor**	**26 Mar 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1089577	**V018**	**Wall**	**19 Apr 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1089577	**V019**	**Wall**	**19 Apr 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1089577	**V020**	**Wall**	**19 Apr 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1089577	**V021**	**Wall**	**19 Apr 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1089577	**V022**	**Wall**	**19 Apr 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1089577	**V023**	**Wall**	**19 Apr 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1089577	**V030**	**Floor**	**19 Apr 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1089577	**V031**	**Floor**	**19 Apr 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1093220	**V032**	**Wall**	**02 May 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1093220	**V033**	**Wall**	**02 May 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1109461	**VO37**	**Wall**	**18 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1109461	**VO38**	**Wall**	**18 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1109461	**VO40**	**Floor**	**18 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1109461	**VO41**	**Floor**	**18 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1109779	**V046**	**Floor**	**19 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1109779	**V047**	**Floor**	**19 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1109779	**V048**	**Floor**	**19 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1113178	**V049**	**Floor**	**28 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1113178	**V050**	**Floor**	**28 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1113178	**V051**	**Floor**	**28 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1113178	**V052**	**Floor**	**28 Jun 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1116482	**V053**	**Floor**	**08 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1116482	**V054**	**Floor**	**08 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1116482	**V055**	**Floor**	**08 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1116482	**V056**	**Floor**	**08 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1120513	**V057**	**Floor**	**19 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1120513	**V058**	**Wall**	**19 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1120513	**V059**	**Wall**	**19 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1120513	**V060**	**Wall**	**19 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1120513	**V061**	**Wall**	**19 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	0.5	0.6	1.2	<0.5	1.0
1120513	**V062**	**Wall**	**19 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1120513	**V063**	**Wall**	**19 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1120513	**V064**	**Wall**	**19 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122342	**V065**	**Floor**	**24 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122342	**V066**	**Floor**	**24 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122342	**V067**	**Floor**	**24 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	0.6	1.2	<0.5	0.9
1122342	**V068**	**Floor**	**24 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V072**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V073**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V074**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V075**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V076**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V077**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V078**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V079**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V080**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V081**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V082**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V083**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V084**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V085**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1122648	**V086**	**Floor**	**26 Jul 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1124812	**V087**	**Floor**	**02 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1124812	**V088**	**Floor**	**02 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1124812	**V089**	**Floor**	**02 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1124812	**V090**	**Floor**	**02 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1127183	**V091**	**Wall**	**09 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1127183	**V092**	**Wall**	**09 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1127183	**V093**	**Floor**	**09 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1127183	**V094**	**Floor**	**09 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1127582	**V096**	**Wall**	**09 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1127582	**V097**	**Wall**	**09 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1127582	**V098**	**Wall**	**09 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128119	**V099**	**Floor**	**13 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128119	**V100**	**Floor**	**13 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5

				PAH																			
				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Ir																	4						
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Pub																	170						
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse So								0.7															
NEPM 2013 Table 1A(1) HILs Res A Soil																				3	3	3	300
Report Number	**Field ID**	**Sample Type**	**Date**																				
1128119	**V101**	**Floor**	**13 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128119	**V102**	**Floor**	**13 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128795	**V103**	**Wall**	**14 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128795	**V104**	**Wall**	**14 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128795	**V105**	**Wall**	**14 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128795	**V106**	**Wall**	**14 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128795	**V107**	**Wall**	**14 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1128795	**V108**	**Wall**	**14 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1131985	**V109**	**Floor**	**21 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1131985	**V110**	**Floor**	**23 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1131985	**V111**	**Floor**	**23 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1131985	**V112**	**Wall**	**23 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1131985	**V113**	**Wall**	**23 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1131985	**V114**	**Wall**	**23 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V115**	**Floor**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V116**	**Floor**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V117**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V118**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V119**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V120**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V121**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V122**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V123**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V124**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V125**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V126**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V127**	**Floor**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V134**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V135**	**Wall**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V136**	**Floor**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V137**	**Floor**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1134614	**V138**	**Floor**	**28 Aug 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1135465	**V143**	**Floor**	**03 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1135465	**V144**	**Floor**	**03 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1135465	**V145**	**Floor**	**03 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1135465	**V146**	**Floor**	**03 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1135465	**V147**	**Floor**	**03 Sep 2024**	<0.5	<0.5	<0.5	0.5	0.5	<0.5	<0.5	<0.5	0.5	<0.5	1.0	<0.5	<0.5	<0.5	<0.5	0.9	0.9	1.2	0.6	3.4
1135465	**V148**	**Floor**	**03 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1135465	**V149**	**Floor**	**03 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1135465	**V150**	**Floor**	**03 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1137637	**V161**	**Floor**	**10 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1137637	**V162**	**Floor**	**10 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1137637	**V165**	**Floor**	**10 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V166**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V167**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V168**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V169**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V170**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V171**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V172**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V173**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V174**	**Floor**	**18 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V175**	**Floor**	**19 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V176**	**Floor**	**19 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V177**	**Floor**	**19 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V178**	**Floor**	**19 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V179**	**Floor**	**19 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1141803	**V180**	**Floor**	**19 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V181**	**Floor**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V182**	**Wall**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V183**	**Wall**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V184**	**Wall**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V185**	**Wall**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V186**	**Floor**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V187**	**Wall**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V188**	**Wall**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V189**	**Floor**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V190**	**Wall**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V191**	**Floor**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5

				PAH																			
				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Ir																	4						
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Put																	170						
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse So								0.7															
NEPM 2013 Table 1A(1) HILs Res A Soil																				3	3	3	300
Report Number	**Field ID**	**Sample Type**	**Date**																				
1143237	**V192**	**Wall**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1143237	**V193**	**Floor**	**24 Sep 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1147332	**V194**	**Wall**	**09 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1147332	**V195**	**Wall**	**09 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1147332	**V196**	**Floor**	**09 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1147332	**V197**	**Wall**	**09 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1147332	**V198**	**Wall**	**09 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1147332	**V199**	**Floor**	**09 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V200**	**Wall**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V201**	**Wall**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V202**	**Wall**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V203**	**Wall**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V204**	**Wall**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V205**	**Wall**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V206**	**Floor**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V207**	**Floor**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V208**	**Floor**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1148270	**V209**	**Floor**	**11 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V210**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V211**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V212**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V213**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V214**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V215**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V216**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V217**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V218**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V219**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V220**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V221**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V222**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V223**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V224**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	0.6	1.2	<0.5	0.5
1149038	**V225**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V226**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V227**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V228**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V229**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V230**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V231**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V232**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1149038	**V233**	**Floor**	**14 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1153807	**V234**	**Floor**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1153807	**V235**	**Floor**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1153807	**V236**	**Wall**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1153807	**V237**	**Wall**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	0.6	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	0.6	1.1	1.4	0.7	2.6
1153807	**V238**	**Wall**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1153807	**V239**	**Wall**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1153807	**V240**	**Wall**	**25 Oct 2024**	<0.5	<0.5	0.5	1.1	1.1	0.7	<0.5	1.0	1.1	<0.5	2.2	<0.5	<0.5	<0.5	1.8	2.0	1.7	1.9	1.4	12
1153807	**V241**	**Wall**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1153807	**V242**	**Wall**	**25 Oct 2024**	<0.5	0.7	1.3	6.8	6.5	3.6	<0.5	5.9	6.1	1.0	13	<0.5	2.4	1.7	5.4	14	9.4	9.4	9.4	68
1153807	**V243**	**Wall**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	0.6
1153807	**V244**	**Wall**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1153807	**V245**	**Wall**	**25 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1155919	**V246**	**Floor**	**31 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1155919	**V247**	**Floor**	**31 Oct 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V248**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V249**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V250**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V251**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V252**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V253**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V254**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V255**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V256**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V257**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V258**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V259**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V260**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5

				PAH																			
				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Ir																	4						
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Pub																	170						
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse So								0.7															
NEPM 2013 Table 1A(1) HILs Res A Soil																				3	3	3	300
Report Number	**Field ID**	**Sample Type**	**Date**																				
1159250	**V261**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V262**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V263**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V264**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V265**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1159250	**V266**	**Floor**	**12 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V267**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V268**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V269**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V270**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V271**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V272**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V273**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V274**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V275**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V276**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V277**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160525	**V278**	**Floor**	**14 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V279**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V280**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V281**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V282**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V283**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V284**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V285**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	0.7	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	1.5	0.8	2.5
1160769	**V286**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V287**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1160769	**V288**	**Floor**	**15 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V289**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V290**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V291**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V292**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V293**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V294**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V295**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V296**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V297**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V298**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V299**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V300**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V301**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V302**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1164878	**V303**	**Floor**	**27 Nov 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1167506	**V304**	**Floor**	**03 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1167506	**V305**	**Floor**	**03 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1167506	**V306**	**Floor**	**03 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1167506	**V307**	**Floor**	**03 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1167506	**V308**	**Floor**	**03 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1167506	**V309**	**Floor**	**03 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1170854	**V310**	**Floor**	**12 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1170854	**V311**	**Floor**	**12 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1170854	**V312**	**Floor**	**12 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1170854	**V313**	**Wall**	**12 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
ES2441030	**V316**	**Wall**	**12 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1170854	**V317**	**Wall**	**12 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1170854	**V318**	**Wall**	**12 Dec 2024**	<0.5	<0.5	0.7	2.2	2.2	1.5	0.8	2.4	2.3	<0.5	4.1	<0.5	0.8	<0.5	2.0	4.2	3.2	3.4	2.9	23
1171952	**V319**	**Wall**	**16 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1171952	**V320**	**Wall**	**16 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1171952	**V321**	**Wall**	**16 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1171952	**V322**	**Wall**	**16 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1171952	**V323**	**Wall**	**16 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1171952	**V324**	**Wall**	**16 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1171952	**V325**	**Wall**	**16 Dec 2024**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1222748	**V326**	**Floor**	**20 May 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1222748	**V327**	**Floor**	**20 May 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1255325	**V328**	**Floor**	**12 Aug 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1255325	**V329**	**Floor**	**12 Aug 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1255325	**V330**	**Wall**	**12 Aug 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1255325	**V331**	**Wall**	**12 Aug 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5

Table A - Validation Results

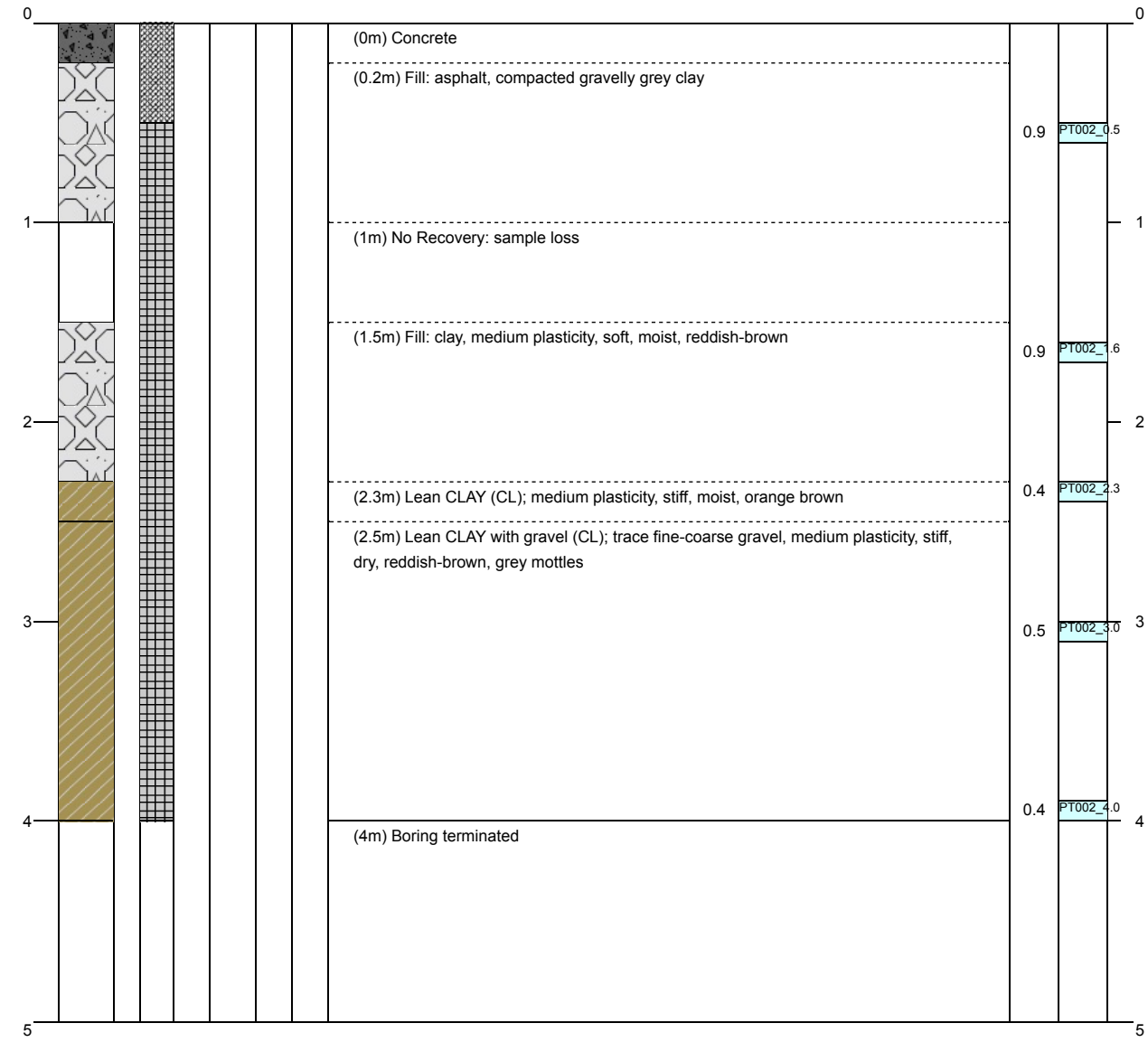
nation partners SOLUTIONS FOR COMPLEX PROJECTS

				PAH																			
				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Ir																	4						
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Put																	170						
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse So								0.7															
NEPM 2013 Table 1A(1) HILs Res A Soil																				3	3	3	300
Report Number	**Field ID**	**Sample Type**	**Date**																				
1284736	**V332**	**Floor**	**27 Oct 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1284736	**V333**	**Floor**	**27 Oct 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1284736	**V334**	**Floor**	**27 Oct 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1284736	**V335**	**Wall**	**27 Oct 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1290077	**V336**	**Floor**	**27 Oct 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1290077	**V337**	**Floor**	**27 Oct 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1290077	**V338**	**Floor**	**27 Oct 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1290077	**V339**	**Floor**	**27 Oct 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1290631	**V340**	**Wall**	**11 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1290631	**V341**	**Wall**	**11 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1290631	**V342**	**Wall**	**11 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1292366	**V343_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V344_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V345_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V346_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V347_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V348_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V349_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V350_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V351_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V352_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V353_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V354_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V355_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V356_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V357_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V358_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V359_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V360_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V361_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V362_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V363_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V364_A**	**Wall**	**12 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292366	**V365**	**Wall**	**12 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1294749	**V369**	**Wall**	**18 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1294749	**V370**	**Wall**	**18 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1294749	**V371**	**Floor**	**18 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1294749	**V372**	**Floor**	**18 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1294749	**V373**	**Floor**	**18 Nov 2025**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5
1294879	**V366_A**	**Floor**	**13 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1294879	**V367_A**	**Floor**	**13 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1294879	**V368_A**	**Floor**	**13 Nov 2025**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix D Borelogs

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT002
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

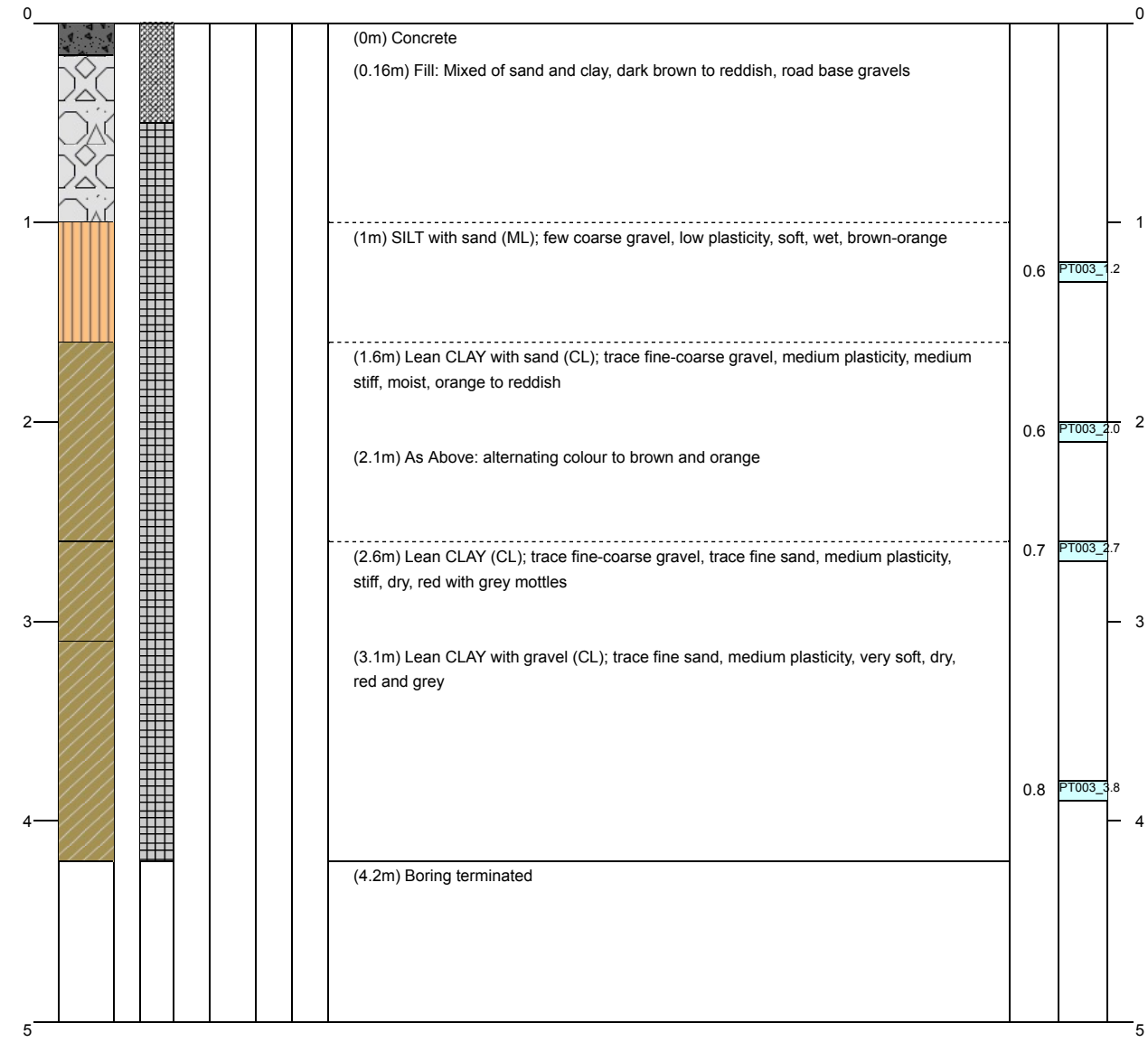
Drilling Start Date:	**08/06/2020**	Boring Depth (m):	**4.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	



NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 4.0mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT003
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT004/MW004**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 3**

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**14.4**	Well Depth (m):	**14.4**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**5.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.37**	Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804532, 151.180379**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			
								(0.2m) Fill: dark gray gravelly sand	0.6	PT004_0.2	103
								(0.4m) Lean CLAY with gravel (CL); few silt, medium plasticity, soft, moist, dark reddish-brown, reworked natural	0.4	PT004_0.4	
1											102
2								(2m) As Above: becoming dry	1.1	PT004_2.0	
											101
								(2.7m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, light yellowish-brown, red mottles	0.8	PT004_2.7	
3											100
								(3.8m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish, gray mottles	0.9	PT004_3.8	
4								(4.2m) As Above: increased gravel			99
5											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT004/MW004**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 3**

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**14.4**	Well Depth (m):	**14.4**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**5.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.37**	Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804532, 151.180379**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(5m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish-gray, grey mottles, blue gravel	0.3	PT004_5.0	98
6											97
7									0.3	PT004_7.0	96
8											95
9								(8.7m) Lean CLAY (CL); medium plasticity, stiff, dry, light gray	0.3	PT004_8.7	94
10											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT004/MW004**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 3**

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**14.4**	Well Depth (m):	**14.4**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**5.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.37**	Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804532, 151.180379**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(10m) As Above: red mottles	0.9	PT004_10.0	93
11								(11m) Lean CLAY (CL); few silt, medium plasticity, stiff, dry, light gray, red and oranges mottles	0.7	PT004_11.1	92
12											91
13		▽						(12.7m) Lean CLAY (CL); few fine gravel, few silt, medium plasticity, stiff, dry, light yellowish-gray	1.2	PT004_11.0	
								(13.2m) Lean CLAY with gravel (CL); few silt, medium plasticity, stiff, moist, reddish-gray	1.4	PT004_13.2	90
								(13.7m) Lean CLAY (CL); few silt, medium plasticity, medium stiff, dry, light gray, yellow mottles	0.8	PT004_13.7	
14								(13.9m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red mottles			
								(14.4m) Boring terminated	1.1	PT004_14.4	89
15											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:** Sydney Metro **Project:** Chatswood Data Gap Investigation **Address:** Corner Pacific Highway and Mowbray Road, Chatswood	**BORING LOG** **Boring No.** SRT-PT005 **Page:** 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.2m) Fill: Silty sand mix with clay, grey, moist, road base gravel			
								(0.6m) Fill: Silty sand mixed with clay, dark brown to orange, dry, few gravel			
1								(1m) Fat CLAY with sand (CH); few coarse gravel, trace silt, high plasticity, soft, moist, light reddish-brown			1
									0.4	PT005_1.4	
								(1.5m) Fat CLAY with sand (CH); trace fine-coarse gravel, trace silt, high plasticity, medium stiff, moist, light reddish-brown			
2											2
								(2.2m) Lean CLAY (CL); trace fine-coarse gravel, medium plasticity, stiff, dry, light reddish-gray	0.8	PT005_2.3	
								(2.5m) As Above			
3											3
								(3.2m) Lean CLAY (CL); trace coarse gravel, medium plasticity, very stiff, dry, light reddish-gray			
4									0.6	PT005_4.0	4
								(4.2m) Boring terminated			
5											5

NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT006/MW006**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 3**

Drilling Start Date:	**14/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.2**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.8046, 151.180111**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			103
1								(0.8m) Fill: clay with sand, medium plasticity, soft, dry, light yellowish-brown			102
2									0.9	PT006_2.0	101
									1.1	PT006_2.4	
								(2.5m) Fill: potential roadbase, dark gray, coarse gravel	1.1	PT006_2.6	
									1.2	PT006_2.8	
3		▼						(2.8m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, dark reddish, gray and orange mottles	1.1		100
								(3.4m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, dark reddish, grey mottles	0.8	PT006_3.8	
4											99
									0.9		
5											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT006/MW006**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 3**

Drilling Start Date:	**14/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.2**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.8046, 151.180111**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(3.4m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, dark reddish, grey mottles	0.7	PT006_5.0	98
6											97
								(6.5m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, light gray, red and dark blue mottles	1.0	PT006_6.5	
7											96
8									0.6	PT009_8.0	95
									24.5	PT006_8.7	
9								(8.8m) Lean CLAY (CL); few fine gravel, trace silt, medium plasticity, very stiff, dry, reddish, gray and orange mottles, mild solvent odour	2.3	PT006_9.0	94
									0.9		
10											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT006/MW006**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 3**

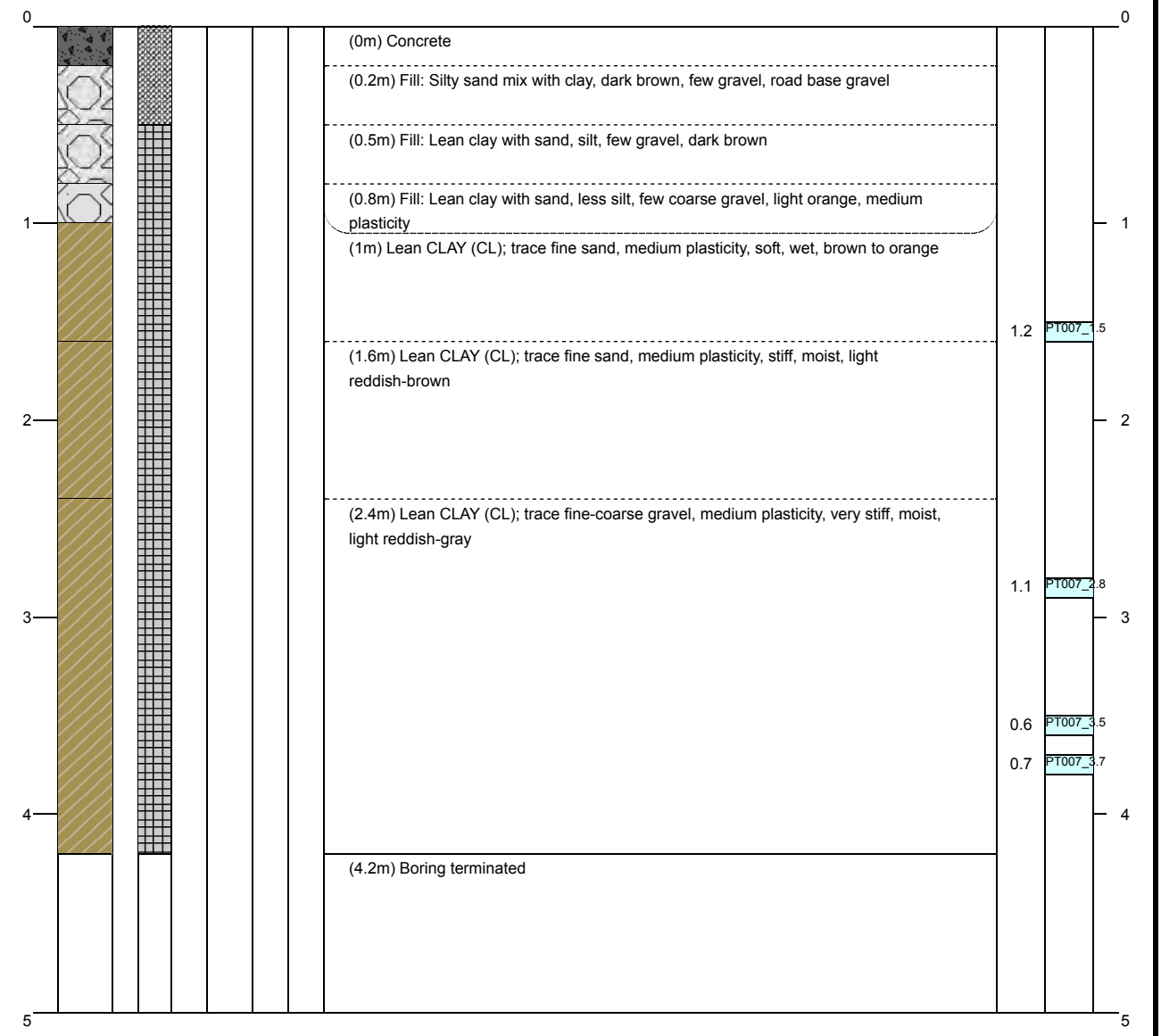
Drilling Start Date:	**14/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.2**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.8046, 151.180111**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10											
								(8.8m) Lean CLAY (CL); few fine gravel, trace silt, medium plasticity, very stiff, dry, reddish, gray and orange mottles, mild solvent odour			93
11									1.0	PT006_11.0	
											92
									1.4		
12		▽									
								(12m) Lean CLAY with gravel (CL); trace silt, medium plasticity, soft, moist, dark reddish, gray mottles	1.3	PT006_12.0	
											91
								(12.7m) Lean CLAY (CL); medium plasticity, stiff, dry, light gray, brittle, red mottles	1.2	PT006_12.7	
13											
											90
14											
											89
									1.2	PT006_14.5	
								(14.5m) Boring terminated			
15											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT007
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT008
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

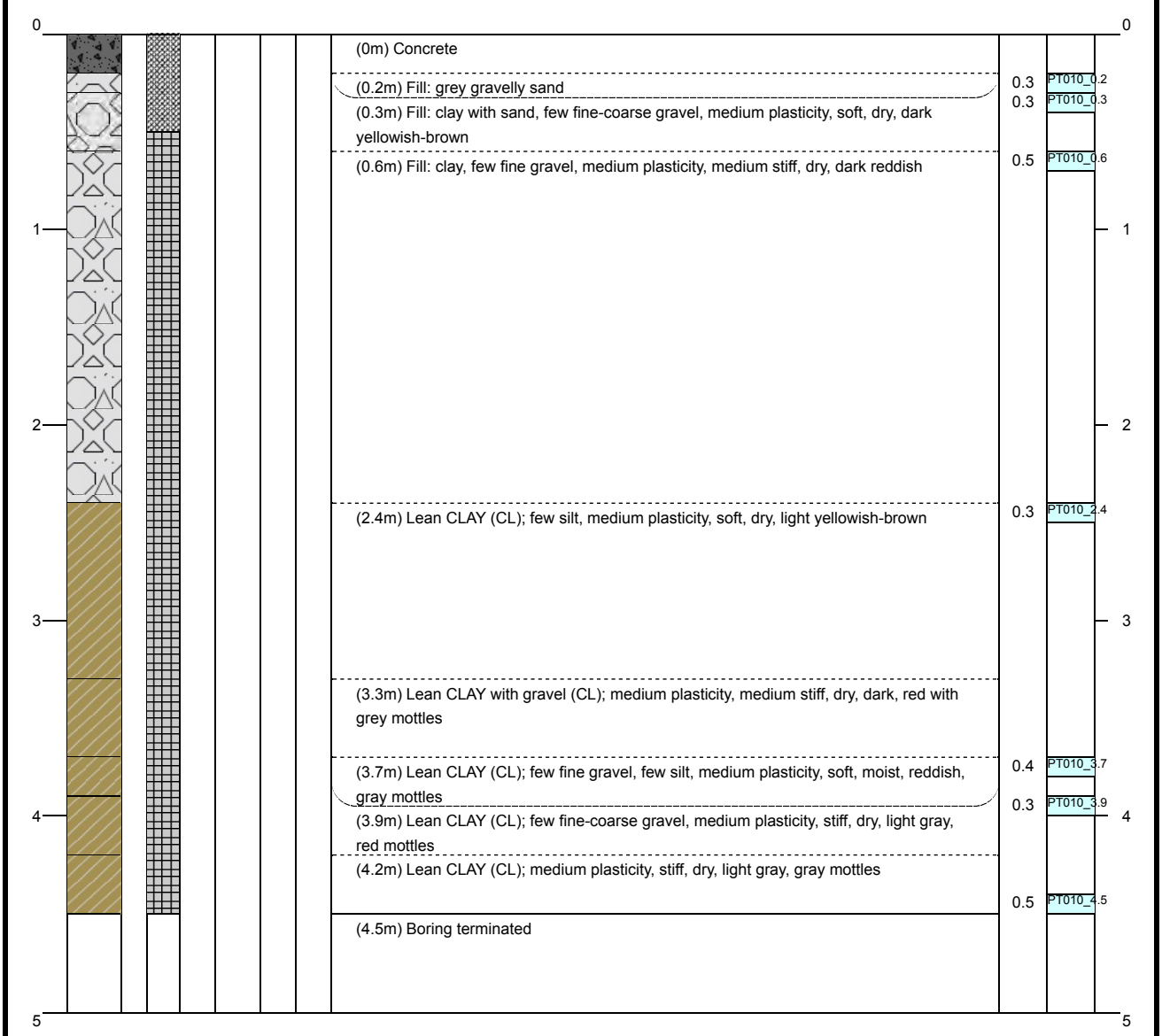
Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**4.5**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.25m) Fill: dark grey sandy gravel	0.8	PT008_0.25	
1											1
2								(2.4m) Fill: clay, little silt, medium plasticity, medium stiff, dry, yellowish-brown	0.5	PT008_2.4	2
								(2.7m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, reddish-brown, red mottles	0.8	PT008_2.7	
3											3
4								(4m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, dark red with yellow and grey mottles	0.4	PT008_4.0	4
								(4.3m) As Above: becoming more gray	0.6	PT008_4.5	
								(4.5m) Boring terminated			
5											5

NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 4.5mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT010
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**4.5**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	



NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 4.5mBGL in natural soil

nation partners	**Client:** Sydney Metro		**WELL LOG**
	Project: Chatswood Data Gap Investigation	**Well No.**	SRT-PT009/MW009
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	**Page:**	1 of 3

Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.8**	Well Depth (m):	**13.8; 6.0**
Drilling End Date:	**06/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**104.12**	Seal Material(s):	**Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.80516, 151.179538**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			104
								(0.25m) Fill: roadbase, gravelly sand, grey/black, blue metal, coarse grained			
									1.1	PT009_0.6	
1								(0.7m) Fill: clay with sand, medium plasticity, soft, brown			103
									1.5	PT009_1.5	
								(1.5m) Lean CLAY (CL); medium plasticity, medium stiff, reddish-brown, grey and orange mottles			
								(1.8m) As Above: becoming yellowish brown	1.8	PT009_1.8	
2											102
									1.6	PT009_2.2	
								(2.5m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, gray, red mottles			
									1.6	PT009_2.8	
3								(3m) As Above: few clay stone/siltstone gravels, medium grain			101
4											100
5											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:** Sydney Metro	**WELL LOG**	
	Project: Chatswood Data Gap Investigation	**Well No.**	SRT-PT009/MW009
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	**Page:**	2 of 3

Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.8**	Well Depth (m):	**13.8; 6.0**
Drilling End Date:	**06/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**104.12**	Seal Material(s):	**Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.80516, 151.179538**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(3m) As Above: few clay stone/siltstone gravels, medium grain	2.0	PT009_6.0	99
6											98
7								(7m) As Above: gravel increasing, becoming low plastic	1.4	PT009_7.0	97
8								(7.8m) As Above: weathered siltstone/clay stone, lenses higher clay, lenses with higher gravel			96
9									1.2	PT009_8.8	95
10									1.5	PT009_9.8	

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:** Sydney Metro		**WELL LOG**
	Project: Chatswood Data Gap Investigation	**Well No.**	SRT-PT009/MW009
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	**Page:**	3 of 3

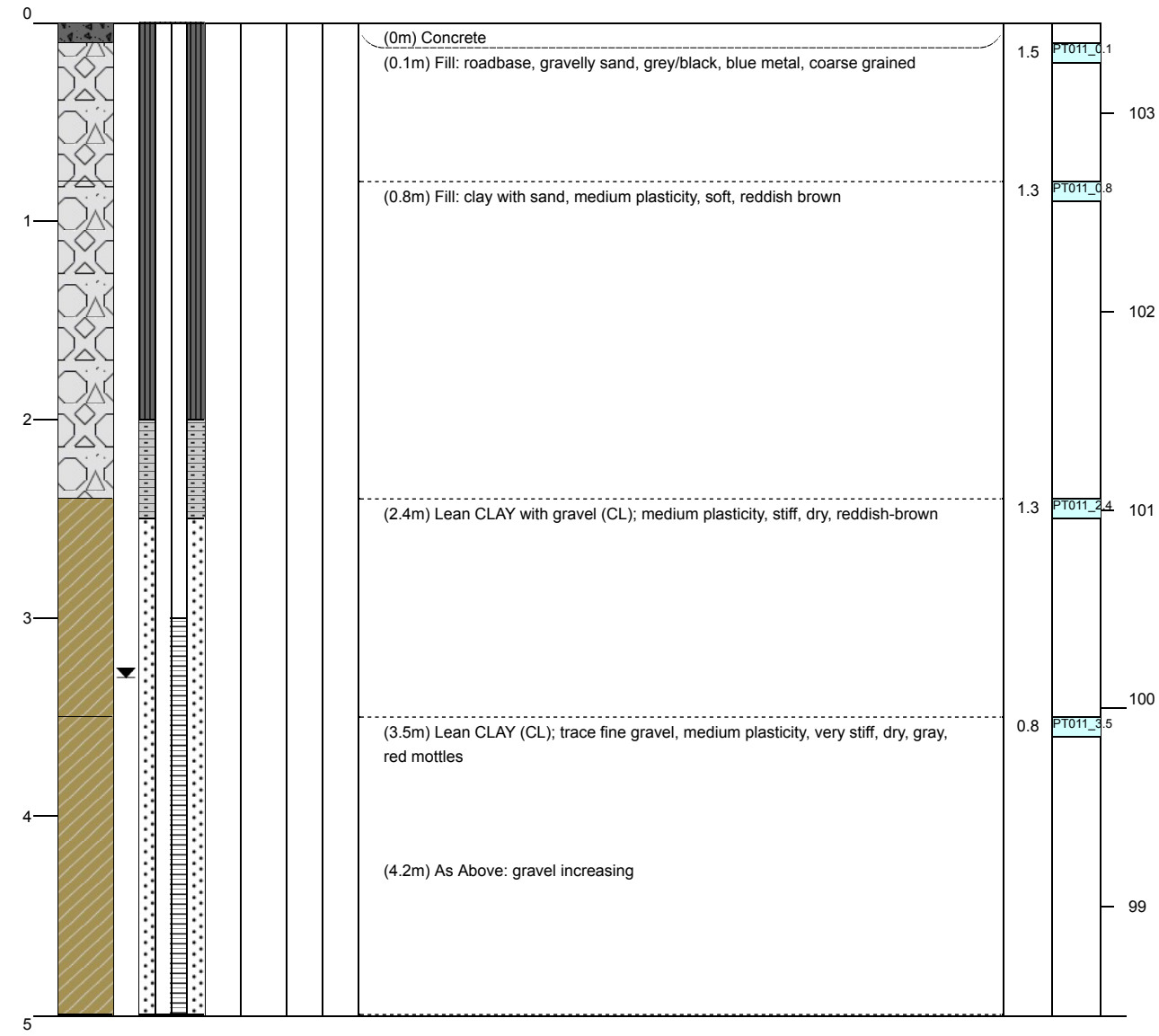
Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.8**	Well Depth (m):	**13.8; 6.0**
Drilling End Date:	**06/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**104.12**	Seal Material(s):	**Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.80516, 151.179538**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(7.8m) As Above: weathered siltstone/clay stone, lenses higher clay, lenses with higher gravel			94
11								(11m) As Above: moist, soft, moderate plastic	1.5	PT009_11.2	93
								(11.4m) Lean CLAY (CL); few fine-coarse gravel, medium plasticity, stiff, dark reddish, grey mottles, claystone	1.8	PT009_11.8	
12		▽						(11.6m) Lean CLAY (CL); medium plasticity, very stiff, dry, gray			92
								(12m) Lean CLAY (CL); trace silt, medium plasticity, soft, moist, reddish-brown, gray mottles			
								(12.4m) As Above: moist, soft, moderate plastic	1.6	PT009_12.4	
13								(12.8m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, gray, red mottles, claystone			91
								(13.6m) Lean CLAY (CL); medium plasticity, very stiff, dry, gray	1.7	PT009_13.6	
14								(13.8m) Boring terminated			90
15											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT011/MW011**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 3**

Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.5**	Well Depth (m):	**13.5; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.3**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.46**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804871, 151.179588**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig. Boring ceased at 5.5mBGL on 06/06/2020. Recommenced on 07/06/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT011/MW011**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 3**

Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.5**	Well Depth (m):	**13.5; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.3**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.46**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804871, 151.179588**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(5m) Lean CLAY (CL); medium plasticity, stiff, gray	1.2	PT011_5.0	
								(5.1m) As Above: moist to wet	1.4	PT011_5.1	98
								(5.8m) As Above: orange mottles	1.2	PT011_5.8	
6								(6m) Lean CLAY with sand (CL); trace fine-coarse gravel, medium plasticity, medium stiff, gray, orange and red molten			97
7											96
									1.1	PT013_7.5	
8								(8m) As Above: becoming stiffer			95
9											94
									0.9	PT013_9.7	
10											

NOTES: Hole precleared by Nation Partners using post hole dig. Boring ceased at 5.5mBGL on 06/06/2020. Recommenced on 07/06/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT011/MW011**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 3**

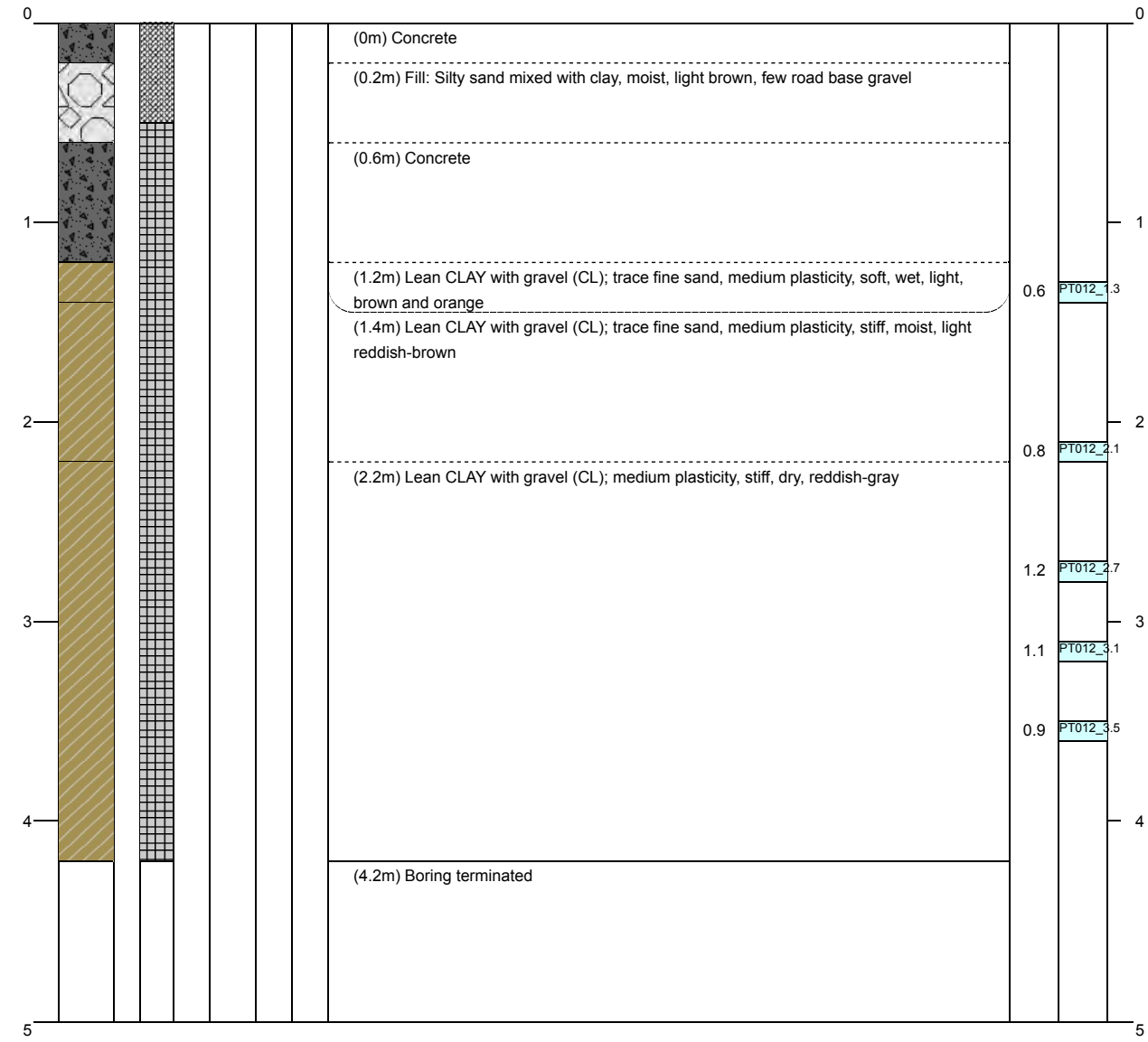
Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.5**	Well Depth (m):	**13.5; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.3**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.46**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804871, 151.179588**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(8m) As Above: becoming stiffer			93
								(10.7m) Lean CLAY (CL); few silt, medium plasticity, soft, gray, red mottles	1.3	PT011_10.8	
11								(11.4m) Lean CLAY (CL); few fine-coarse gravel, medium plasticity, stiff, dry, gray, red mottles			92
								(11.6m) As Above: becoming more stiff	1.0	PT011_11.6	
12		▽						(12m) Lean CLAY (CL); trace silt, medium plasticity, soft, moist, reddish-gray	1.2	PT011_12.0	
								(12.5m) As Above: becoming more gray & stiff	1.0	PT011_12.6	91
13								(12.8m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, gray			
								(13.5m) Boring terminated	1.1	PT011_13.5	90
14											89
15											

NOTES: Hole precleared by Nation Partners using post hole dig. Boring ceased at 5.5mBGL on 06/06/2020. Recommenced on 07/06/2020

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT012
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

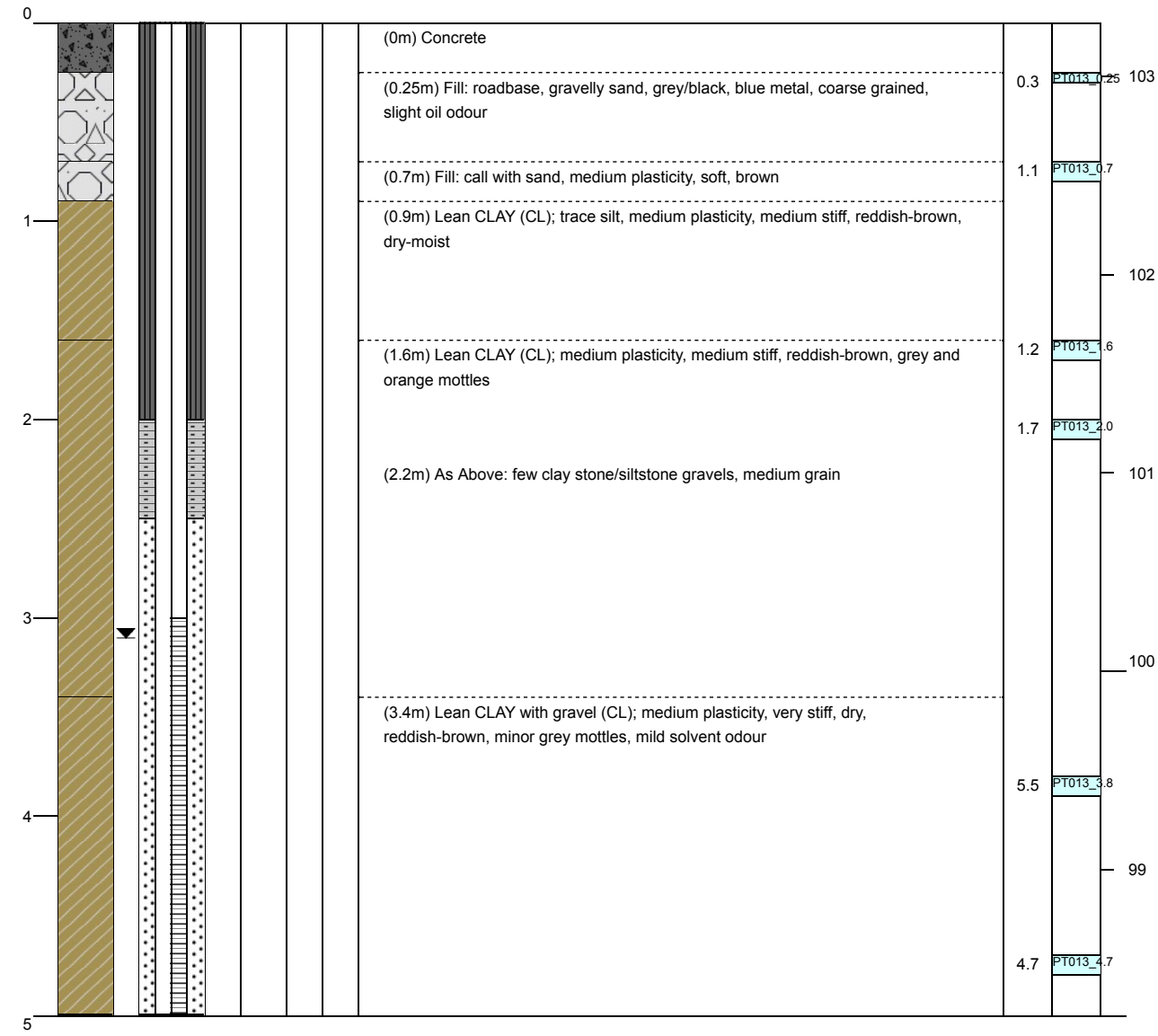
Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT013/MW013**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 3**

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**14.8**	Well Depth (m):	**14.8; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.5**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.1**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Liam Gooley**	Location (Lat, Long):	**33.804506, 151.179553**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT013/MW013**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 3**

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**14.8**	Well Depth (m):	**14.8; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.5**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.1**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Liam Gooley**	Location (Lat, Long):	**33.804506, 151.179553**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(3.4m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, reddish-brown, minor grey mottles, mild solvent odour			98
								(5.5m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, reddish-brown, grey mottles, mild solvent odour	6.1	PT013_6.0	97
6											
7								(7m) As Above: gravel increasing, becoming low plastic			96
									1.8	PT013_7.6	
8								(7.8m) As Above: weathered siltstone/clay stone, lenses higher clay, lenses with higher gravel			95
9											94
									2.5	PT013_9.5	
10											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:** Sydney Metro	**WELL LOG**	
	Project: Chatswood Data Gap Investigation	**Well No.**	SRT-PT013/MW013
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	**Page:**	3 of 3

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**14.8**	Well Depth (m):	**14.8; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.5**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.1**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Liam Gooley**	Location (Lat, Long):	**33.804506, 151.179553**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(7.8m) As Above: weathered siltstone/clay stone, lenses higher clay, lenses with higher gravel			93
11								(10.8m) As Above: moist, soft, moderate plastic	4.4	PT013_11.0	92
								(11.4m) As Above: becoming dry and very stiff	1.3	PT013_11.6	
12											91
								(12.4m) As Above: moist, soft, moderate plastic	22.4	PT013_12.4	
								(12.6m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, alternating grey & reddish brown claystone			
13											90
								(13.5m) Lean CLAY with gravel (CL); medium plasticity, soft, moist, reddish-brown	2.3	PT013_13.6	
								(13.8m) Lean CLAY (CL); medium plasticity, very stiff, dry, gray			
14											89
								(14.3m) Lean CLAY with gravel (CL); medium plasticity, soft, moist, reddish-brown	3.2	PT013_14.4	
								(14.6m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, gray, red mottles	1.2	PT013_14.8	
								(14.8m) Boring terminated			
15											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:** Sydney Metro **Project:** Chatswood Data Gap Investigation **Address:** Corner Pacific Highway and Mowbray Road, Chatswood	**BORING LOG** **Boring No.** SRT-PT014 **Page:** 1 of 2

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**6.0**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.2m) Fill: gravelly reddish gray clay, coarse gravel, some fine sand	0.4	PT014_0.2	
								(0.5m) Concrete			
1											1
2											2
3											3
4											4
								(4.5m) Lean CLAY with gravel (CL); trace silt, medium plasticity, soft, dry, dark reddish	0.7	PT014_4.5	
5											5

NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 6.0mBGL in natural soil

nation partners	**Client:** Sydney Metro **Project:** Chatswood Data Gap Investigation **Address:** Corner Pacific Highway and Mowbray Road, Chatswood	**BORING LOG** **Boring No.** SRT-PT014 **Page:** 2 of 2

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**6.0**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
5								(5m) Lean CLAY with gravel (CL); few silt, medium plasticity, stiff, dry, dark reddish, gray mottles	0.8	PT014_5.0	5
6								(6m) Boring terminated	0.9	PT014_6.0	6
7											7
8											8
9											9
10											10

NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 6.0mBGL in natural soil

nation partners	**Client:** Sydney Metro **Project:** Chatswood Data Gap Investigation **Address:** Corner Pacific Highway and Mowbray Road, Chatswood	**BORING LOG** **Boring No.** SRT-PT015 **Page:** 1 of 1

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Alexandra Francis**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.15m) Lean CLAY with gravel (CL); few fine gravel, few silt, mostly clay, medium plasticity, medium stiff, moist, light reddish-brown, grey mottles, becoming more red @ 0.45	0.9	PT015_0.15	
									1.1	PT015_0.35	
									1.3	PT015_0.45	
									1.4	PT015_0.6	
1								(0.9m) Lean CLAY (CL); trace fine gravel, some fine-medium sand, few silt, some clay, medium plasticity, soft, moist, dark brown, (dark brown silty/sandy clay)			1
								(1.5m) Lean CLAY (CL); trace fine gravel, few silt, mostly clay, medium plasticity, stiff, moist, light brown	0.9	PT020_1.5	
2											2
								(2.2m) Lean CLAY (CL); few fine-coarse gravel, trace fine-medium sand, trace silt, mostly clay, medium plasticity, stiff, dry, light reddish-brown, brown/red/grey mottles, reworked clay	0.8	PT020_2.2	
3											3
									0.9	PT020_3.4	
4								(3.8m) Lean CLAY (CL); mostly clay, medium plasticity, very stiff, moist, light gray, Natural clay			4
									1.0	PT020_4.2	
								(4.2m) Boring terminated			
5											5

NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT016
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.2m) Fill: Silty sand mixed with clay, few coarse gravel, dark grey, road base gravel			
1											1
								(1.2m) Lean CLAY with sand (CL); few coarse gravel, medium plasticity, stiff, moist, orange with red and grey mottles	0.4	PT016_1.2	
									0.7	PT016_1.6	
								(1.8m) As Above: mostly orange	0.6	PT016_1.8	
2											2
								(2.1m) Lean CLAY with gravel (CL); trace fine sand, medium plasticity, soft, moist, orange to reddish	0.8	PT012_2.1	
								(2.7m) Lean CLAY with gravel (CL); trace fine sand, medium plasticity, stiff, moist, light reddish-gray	0.8	PT012_2.7	
3											3
								(3.2m) As Above: less gravel, strong hydrocarbon odour	40.8	PT012_3.2	
								(3.4m) Lean CLAY with gravel (CL); trace fine sand, trace silt, medium plasticity, stiff, moist, light reddish-gray, visible black stains and ash, strong hydrocarbon odour	19.0	PT012_3.4	
4											4
								(4.1m) Lean CLAY with gravel (CL); trace fine sand, medium plasticity, very stiff, moist, light reddish-gray, visible black stains, mild hydrocarbon odour	12.0	PT012_4.1	
								(4.2m) Boring terminated			
5											5

NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT017/MW017**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.7**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.42**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804362, 151.179826**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			103
								(0.7m) Asphalt			
								(0.8m) Concrete			
1								(1m) Fill: roadbase, coarse sand	0.6	PT017_1.0	
								(1.3m) Fill: medium plasticity, stiff, moist, reddish-brown			102
2											
								(2.4m) Fill: blue metal roadbase, brown clay	0.8	PT017_2.4	101
3								(3m) Lean CLAY (CL); medium plasticity, medium stiff, dry, orange brown	0.8	PT017_3.0	
									1.5	PT017_3.3	100
								(3.8m) Lean CLAY with sand (CL); trace fine-coarse gravel, medium plasticity, medium stiff, dry, orange brown, red mottles			
4								(4.2m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish, grey mottles			99
									1.8	PT017_4.5	
5											

NOTES: Hole precleared by Nation Partners using post hole dig. Left overnight at 5mBGL on 07/08/2020, minor collapse next morning.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT017/MW017**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 4**

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.7**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.42**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804362, 151.179826**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(5m) As Above: mild solvent odour	38.0	PT017_5.0	98
6											97
7									28.0	PT017_7.0	96
8									0.7	PT017_7.8	95
9								(9m) Lean CLAY (CL); medium plasticity, reddish-gray, Alternating fine bands of clays & gravels in clay, weathered clay stone with ironstone gravels, dry, stiff	0.9	PT017_9.5	94
10											

NOTES: Hole precleared by Nation Partners using post hole dig. Left overnight at 5mBGL on 07/08/2020, minor collapse next morning.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT017/MW017**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 4**

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.7**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.42**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804362, 151.179826**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(9m) Lean CLAY (CL); medium plasticity, reddish-gray, Alternating fine bands of clays & gravels in clay, weathered clay stone with ironstone gravels, dry, stiff			93
11									0.8	PT017_11.0	92
12											91
13									0.6	PT017_13.2	90
14		▽						(14m) Lean CLAY (CL); few fine-coarse gravel, medium plasticity, soft, wet, reddish, , grey mottles (14.5m) As Above: dry	3.8	PT017_14.2	89
15									1.3	PT017_15.0	

NOTES: Hole precleared by Nation Partners using post hole dig. Left overnight at 5mBGL on 07/08/2020, minor collapse next morning.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT017/MW017**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **4 of 4**

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.7**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.42**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804362, 151.179826**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared by Nation Partners using post hole dig. Left overnight at 5mBGL on 07/08/2020, minor collapse next morning.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT018/MW018**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 3**

Drilling Start Date:	**08/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.1**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.16**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804205, 151.179714**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			103
								(0.3m) Fill: gravelly clay, dark grey, roadbase gravels	1.8	PT018_0.3	
								(0.7m) Asphalt			
1								(0.8m) Concrete			
								(1m) Fill: gravelly clay, grey brown, roadbase gravels			102
2											101
								(2.3m) Lean CLAY with sand (CL); medium plasticity, stiff, moist, orange brown	3.2	PT018_2.3	
								(2.8m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish-brown, grey mottles, ironstone gravels, mild solvent odour	5.0	PT018_2.8	
3											100
4								(4m) As Above: alternating fine bands of clay and fine ironstone gravels, stiff, dry, mild solvent odour	2.2	PT018_4.0	99
5											

NOTES: Hole precleared by Nation Partners using post hole dig. From approximately 12m, 0.5m runs at a time due high amount friction caused by dry and very stiff clay.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT018/MW018**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 3**

Drilling Start Date:	**08/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.1**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.16**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804205, 151.179714**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(4m) As Above: alternating fine bands of clay and fine ironstone gravels, stiff, dry, mild solvent odour			98
6											97
									2.8	PT018_6.3	
7											96
8											95
									1.5	PT018_8.5	
9											94
10											

NOTES: Hole precleared by Nation Partners using post hole dig. From approximately 12m, 0.5m runs at a time due high amount friction caused by dry and very stiff clay.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT018/MW018**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 3**

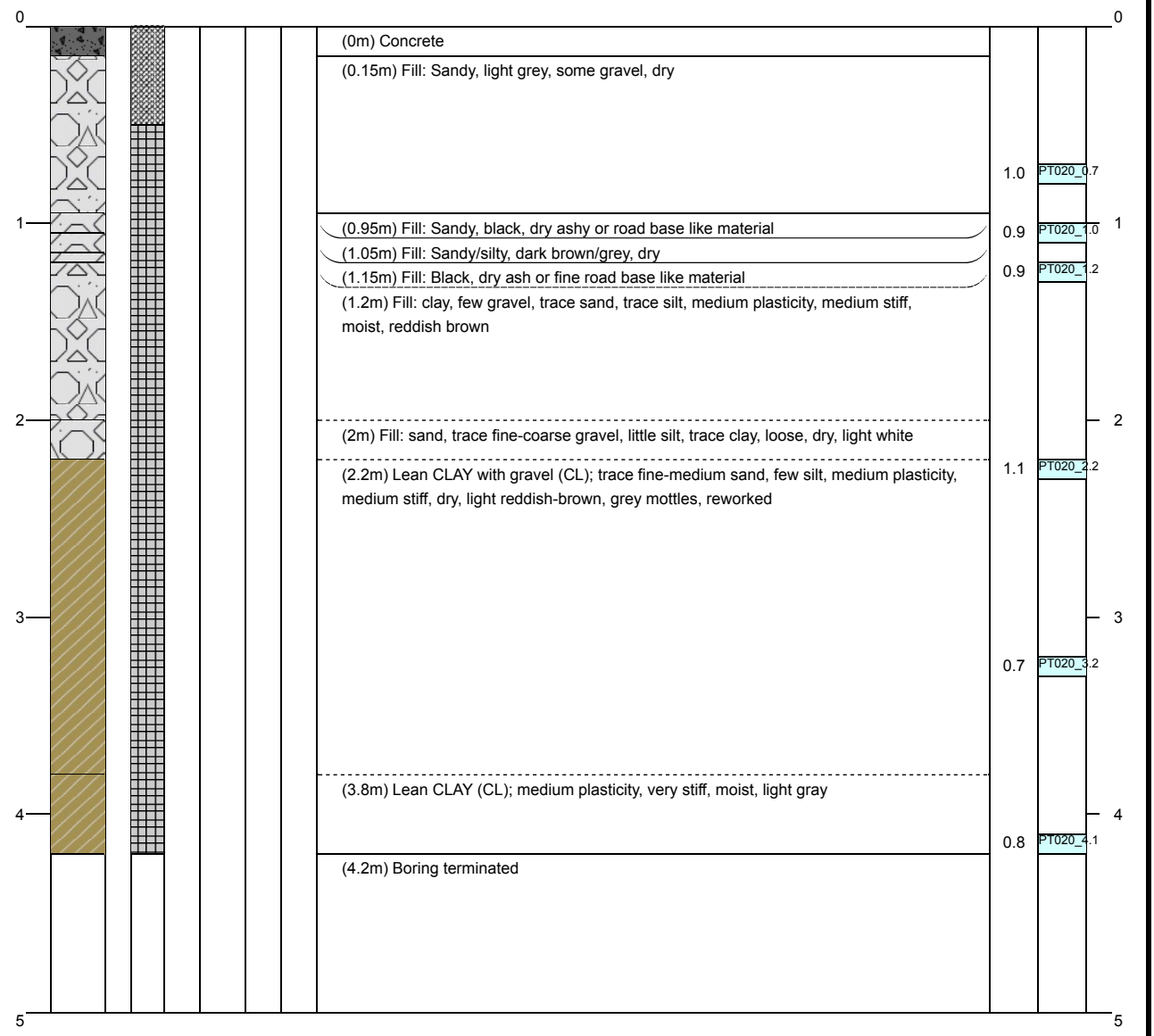
Drilling Start Date:	**08/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.1**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.16**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804205, 151.179714**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(4m) As Above: alternating fine bands of clay and fine ironstone gravels, stiff, dry, mild solvent odour			93
									3.6	PT018_10.4	
								(10.8m) Lean CLAY with gravel (CL); trace silt, medium plasticity, stiff, reddish-gray, grey mottles, dry-moist			
11											92
									4.1	PT018_11.2	
								(11.4m) As Above: dry, stiff			
12		▽									
								(12.1m) As Above: moist, moderate plastic, soft			91
									1.8	PT018_12.2	
								(12.5m) Lean CLAY (CL); trace fine-coarse gravel, medium plasticity, stiff, dry, reddish-gray, grey mottles	1.9	PT018_12.5	
13											90
								(13.4m) As Above: becoming very dry, very stiff			
14											89
									0.9	PT018_14.5	
								(14.5m) Boring terminated			
15											

NOTES: Hole precleared by Nation Partners using post hole dig. From approximately 12m, 0.5m runs at a time due high amount friction caused by dry and very stiff clay.

nation partners	**Client:** Sydney Metro **Project:** Chatswood Data Gap Investigation **Address:** Corner Pacific Highway and Mowbray Road, Chatswood	**BORING LOG** **Boring No.** SRT-PT020 **Page:** 1 of 1

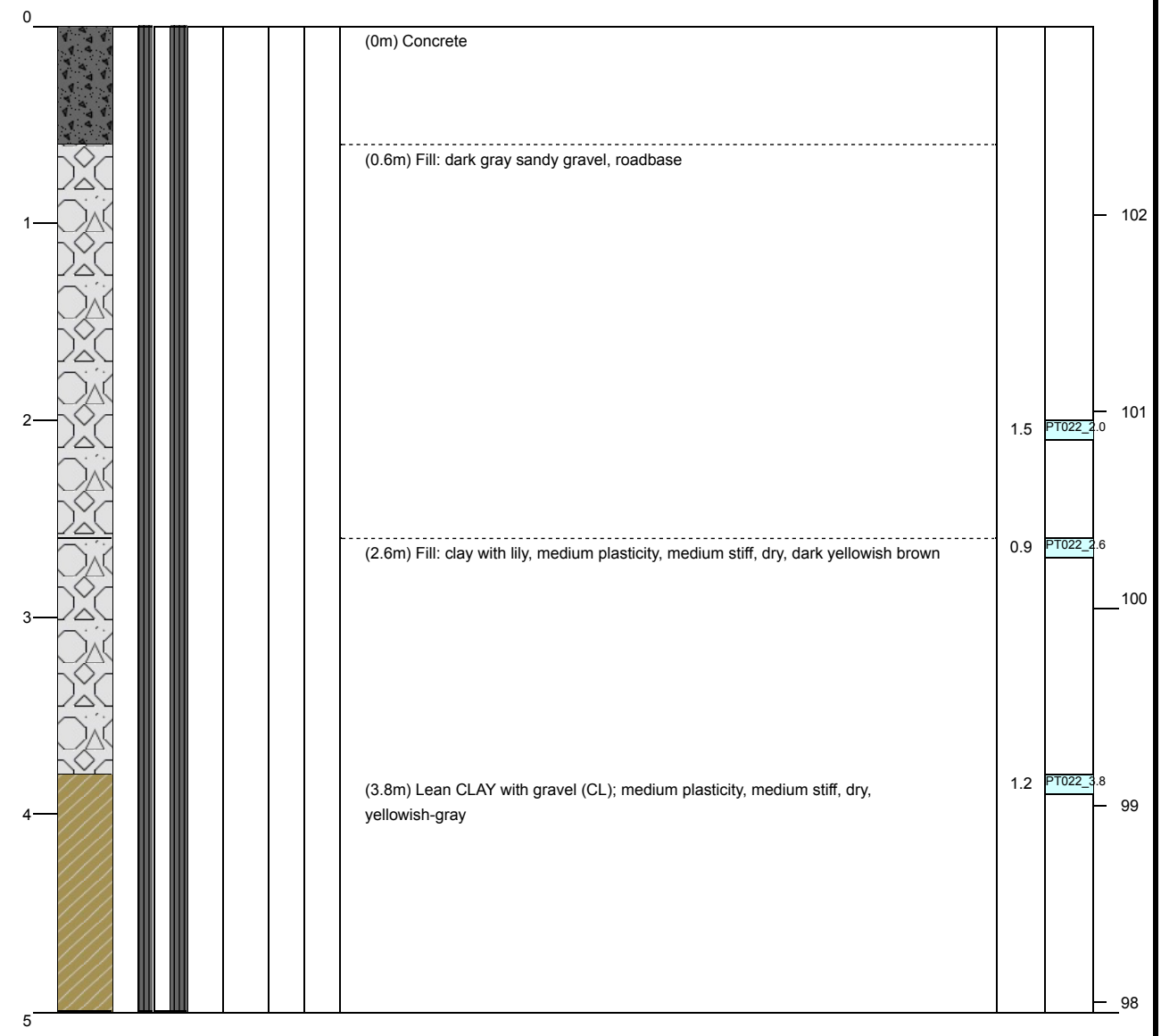
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Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Alexandra Francis**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT022/MW022**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**17.5**	Well Depth (m):	**17.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**6.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**102.96**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803777, 151.180318**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT022/MW022**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 4**

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**17.5**	Well Depth (m):	**17.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**6.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**102.96**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803777, 151.180318**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(3.8m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, yellowish-gray	1.4	PT022_5.0	
6		▼									97
								(6.2m) As Above: coarse gravel, orange mottles, strong solvent odour	25.8	PT022_6.3	
								(6.7m) Lean CLAY (CL); trace fine gravel, medium plasticity, stiff, dry, light gray, red mottles, mild solvent odour	6.2	PT022_6.7	
7									2.1		96
								(7.8m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, minor red mottles			95
8									1.2	PT022_8.0	
9											94
								(9.1m) Lean CLAY with gravel (CL); medium plasticity, soft, moist, reddish, grey mottles	1.1	PT022_9.3	
								(9.5m) As Above: dry, stiff			
10									1.2		93

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT022/MW022**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 4**

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**17.5**	Well Depth (m):	**17.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**6.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**102.96**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803777, 151.180318**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(10m) Lean CLAY (CL); few coarse gravel, medium plasticity, very stiff, dry, dark reddish, grey mottles, ironstone	0.5		92
11									0.8	PT022_11.5	91
12									1.0		90
13								(13.7m) Lean CLAY (CL); trace fine gravel, little silt, medium plasticity, medium stiff, dry, light gray, red mottles	1.1	PT022_13.7	89
14											88
15											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT022/MW022**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **4 of 4**

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**17.5**	Well Depth (m):	**17.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**6.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**102.96**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803777, 151.180318**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(13.7m) Lean CLAY (CL); trace fine gravel, little silt, medium plasticity, medium stiff, dry, light gray, red mottles			
								(15.2m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red and orange mottles	1.2	PT022_15.3	
16											87
								(16.3m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, light gray, red mottles	0.9	PT022_16.3	
								(16.7m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray			
17								(17m) As Above: red and orange mottles			86
									1.1	PT022_17.5	
								(17.5m) Boring terminated			
18											85
19											84
20											83

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:** Sydney Metro **Project:** Chatswood Data Gap Investigation **Address:** Corner Pacific Highway and Mowbray Road, Chatswood	**BORING LOG** **Boring No.** SRT-PT023 **Page:** 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.6m) Fill: Silty sand mixed with clay, fine coarse road base gravel, orange to reddish			
1								(1m) SILT with sand (ML); few fine-coarse gravel, few clay, low plasticity, soft, moist, dark yellowish-brown			1
									0.4	PT023_1.5	
								(1.7m) As Above: turning orange and red	0.9	PT023_1.7	
2											2
									0.5	PT023_2.1	
								(2.4m) Lean CLAY with sand (CL); trace fine-coarse gravel, trace silt, medium plasticity, stiff, moist, light reddish-gray			
3									0.6	PT023_2.9	3
									0.8	PT023_3.5	
4								(4.2m) Boring terminated			4
5											5

NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT024/MW024**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**13/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.9**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.08**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803528, 151.180418**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			103
1											102
								(1.6m) Fill: roadbase			
2									1.4	PT024_2.0	101
								(2.6m) Lean CLAY (CL); few silt, medium plasticity, soft, moist, reddish-brown	1.8	PT024_2.6	
3											100
4											99
								(4.4m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish-brown, grey mottles,	1.1	PT024_4.5	
5											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT024/MW024**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 4**

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**13/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.9**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.08**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803528, 151.180418**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(4.4m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish-brown, grey mottles,			98
6									1.1	SRT-PT024_6.0	97
7								(7m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red and orange mottles			96
8									1.1	PT024_8.0	95
								(8.2m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, light gray, red mottles, 10-12mm ironstone	1.3	PT024_8.2	
9								(9m) Lean CLAY (CL); trace silt, medium plasticity, soft, moist, reddish, grey mottles	0.5	PT024_9.0	94
								(9.3m) As Above: dry	0.7	PT024_9.3	
10											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT024/MW024**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 4**

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**13/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.9**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.08**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803528, 151.180418**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(9.3m) As Above: dry			93
								(10.2m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red mottles			
11											92
								(11.2m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, dark reddish, grey mottles	0.5	PT024_11.2	
								(11.7m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray			
12		▼									91
								(12.3m) As Above: with red mottles			
13		▽									90
								(13.2m) Lean CLAY with gravel (CL); medium plasticity, soft, wet, reddish-gray, gray mottles	0.4	PT024_13.2	
								(13.8m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red mottles	0.6	PT024_13.8	
14											89
								(14.4m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray	0.8	PT024_14.4	
15									0.5	PT024_15.0	

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT024/MW024**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **4 of 4**

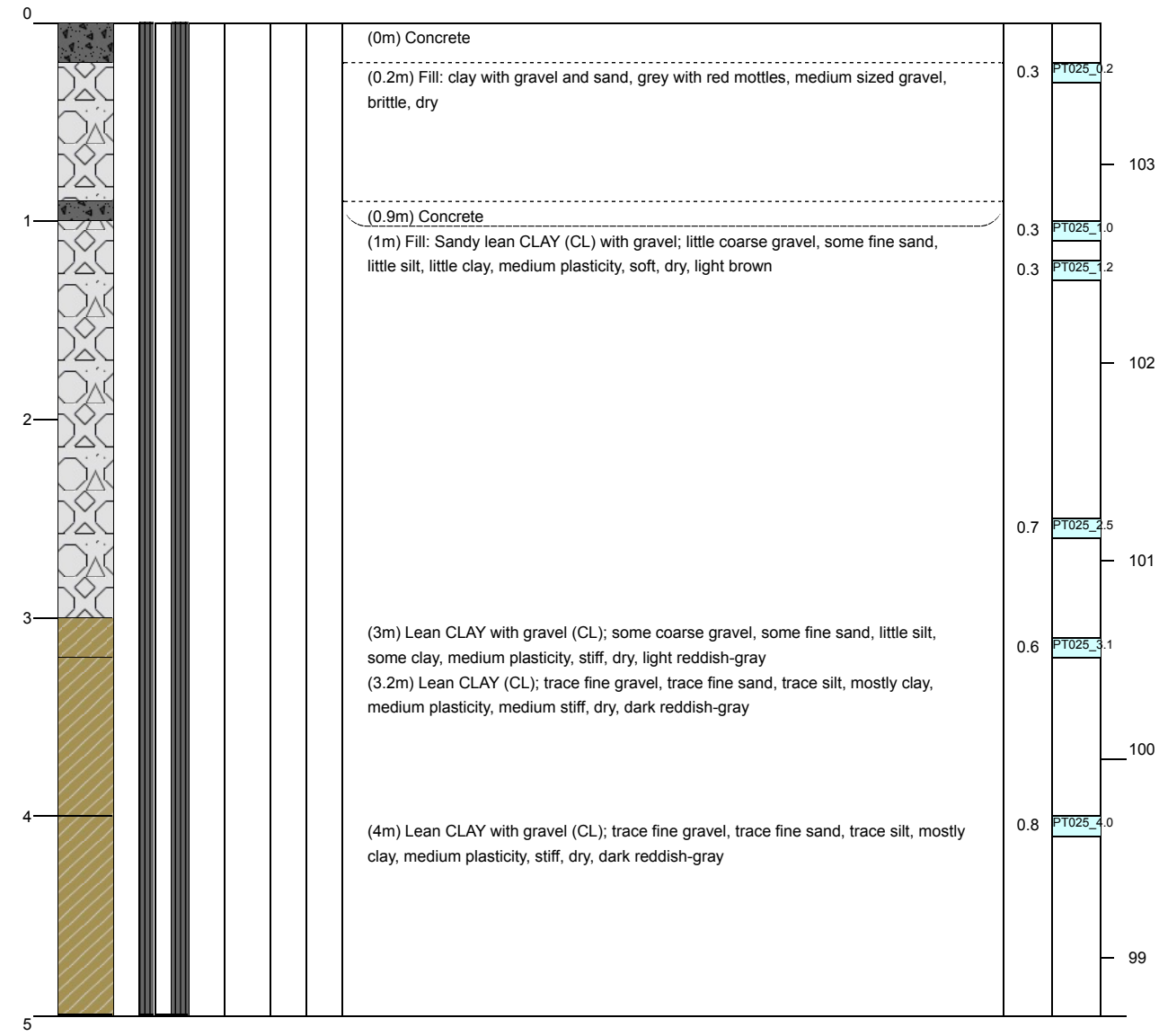
Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**13/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.9**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.08**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803528, 151.180418**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT025/MW025**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**7.5**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.71**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Laura Martinez**	Location (Lat, Long):	**33.804199, 151.180427**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT025/MW025**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 4**

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**7.5**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.71**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Laura Martinez**	Location (Lat, Long):	**33.804199, 151.180427**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(5m) As Above	0.6	PT025_5.0	
											98
6								(6m) As Above			
											97
7								(7m) Lean CLAY (CL); mostly clay, medium plasticity, medium stiff, dry, light gray, traces of red	0.3	PT025_7.3	
		▼						(7.5m) Lean CLAY (CL); trace fine sand, trace silt, mostly clay, medium plasticity, medium stiff, moist, dark reddish-gray			96
8								(8m) As Above	0.4	PT025_8.5	
											95
9								(9m) As Above	0.6	PT025_9.4	
											94
10											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT025/MW025**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 4**

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**7.5**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.71**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Laura Martinez**	Location (Lat, Long):	**33.804199, 151.180427**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(10m) Lean CLAY (CL); trace fine gravel, some silt, mostly clay, medium plasticity, medium stiff, dry, dark reddish-gray			
								(10.5m) Lean CLAY (CL); trace silt, mostly clay, medium plasticity, soft, moist, dark reddish-gray	0.9	PT025_10.8	93
11								(11m) As Above			
								(11.8m) Lean CLAY with sand (CL); trace coarse gravel, trace fine sand, mostly clay, medium plasticity, medium stiff, moist, light gray	0.8	PT025_11.7	92
12		▽							0.5	PT025_12.1	
								(12.7m) Lean CLAY with sand (CL); few fine-coarse gravel, few fine-medium sand, little silt, little clay, medium plasticity, soft, moist, dark reddish-gray	0.5	PT025_12.7 PT025_12.8	91
13											
											90
14								(14m) Sandy lean CLAY (CL); few fine-coarse gravel, little fine-medium sand, some silt, some clay, medium plasticity, soft, dry, light gray	0.3	PT025_14.3	
											89
15									0.5	PT025_14.8	

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT025/MW025**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **4 of 4**

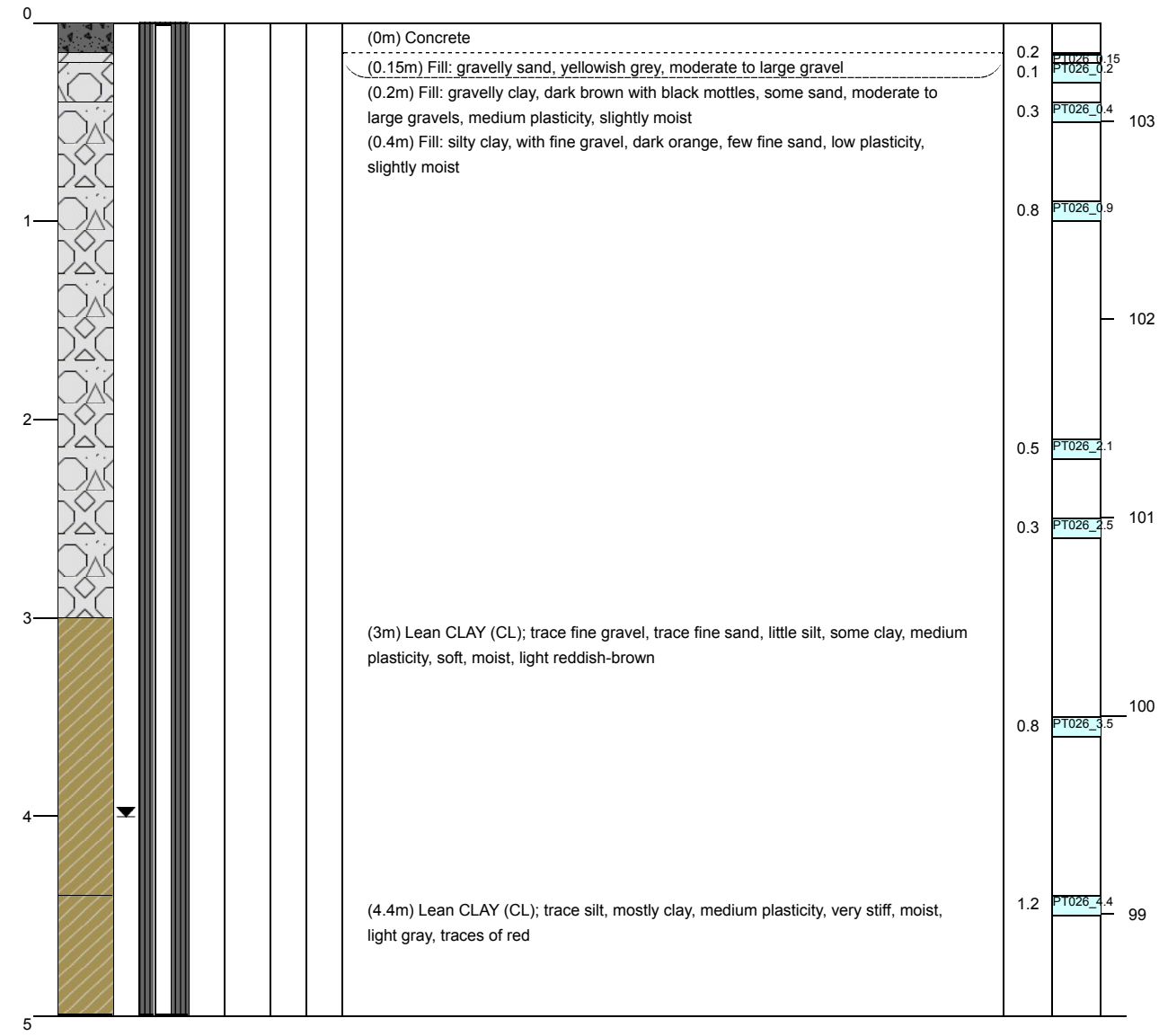
Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**7.5**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.71**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Laura Martinez**	Location (Lat, Long):	**33.804199, 151.180427**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT026/MW026**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**4.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.49**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804901, 151.179475**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger. Ceased at 0.4m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT026/MW026**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 4**

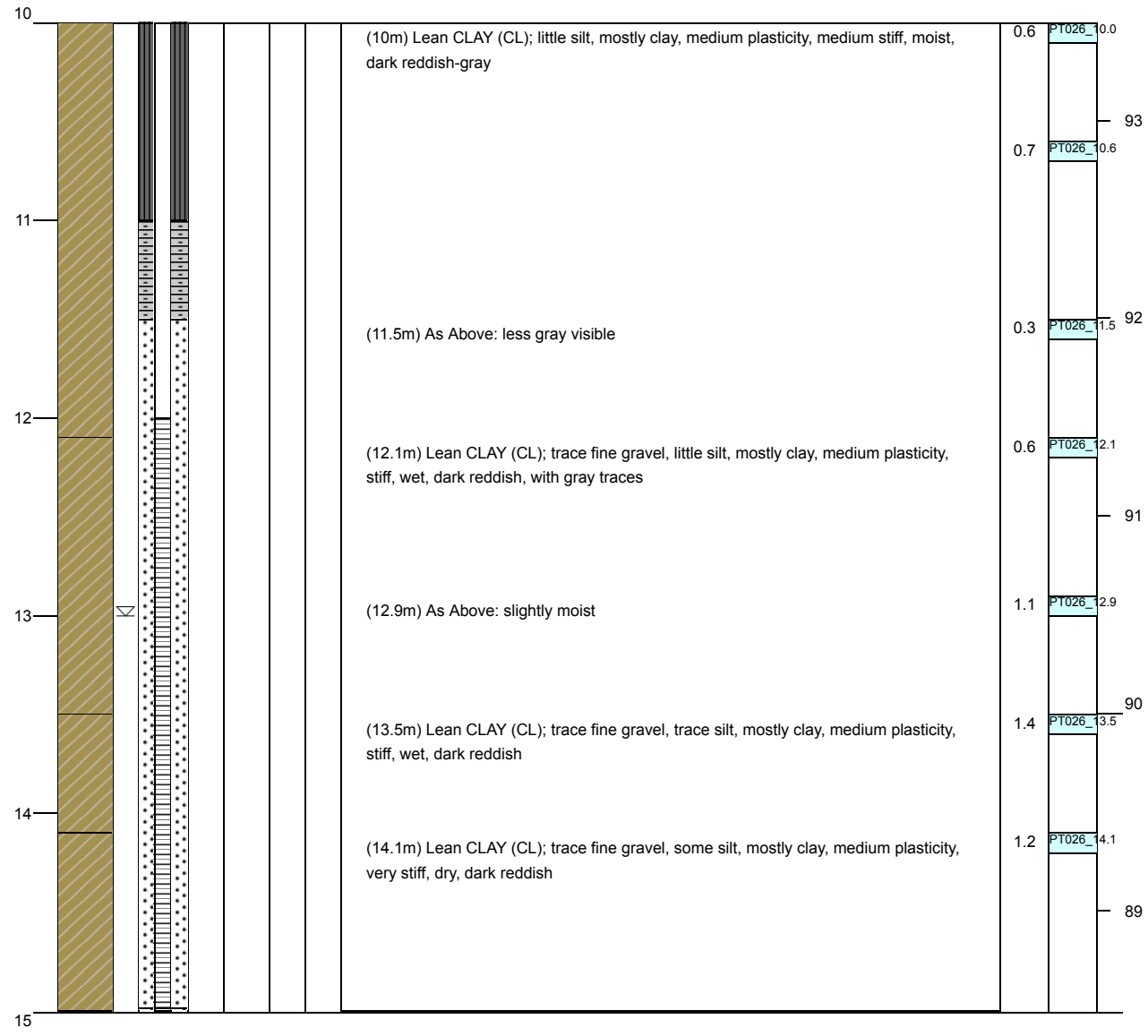
Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**4.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.49**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804901, 151.179475**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(4.4m) Lean CLAY (CL); trace silt, mostly clay, medium plasticity, very stiff, moist, light gray, traces of red			
								(5.3m) As Above: turning more red	0.6	PT025_5.3	98
6											97
7								(7m) Lean CLAY (CL); trace silt, mostly clay, medium plasticity, very stiff, moist, dark reddish-gray	1.2	PT026_7.0	96
8								(8m) As Above: more gray	1.4	PT026_8.0	95
9											94
10											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger. Ceased at 0.4m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT026/MW026**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 4**

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**4.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.49**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804901, 151.179475**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger. Ceased at 0.4m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT026/MW026**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **4 of 4**

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**4.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.49**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804901, 151.179475**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger. Ceased at 0.4m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT027/MW027**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.32**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804015, 151.179434**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			
								(0.2m) Fill: clay with gravel and sand, grey with red mottles, medium sized gravel, brittle, dry	0.2	PT027_0.25	103
								(0.7m) Concrete			
1								(0.9m) Fill: clay with fine gravel, some silt, medium plasticity, moist, light grey	0.6	PT027_0.9	
								(1.1m) Fill: gravelly sand, dark grey, coarse sand and gravel, dry	0.7	PT027_1.1	
								(1.2m) Lean CLAY (CL); trace fine-coarse gravel, trace silt, medium plasticity, soft, dry, light gray, red mottles, reworked natural	0.9	PT027_1.2	102
2								(1.7m) No Recovery			
								(2.2m) Lean CLAY with gravel (CL); trace silt, medium plasticity, stiff, moist, light yellowish-brown, black mottles, reworked natural	0.5	PT028_2.3	101
								(2.8m) Lean CLAY (CL); trace fine gravel, few silt, medium plasticity, soft, dry, light yellowish-brown, red mottles	0.8	PT028_2.8	
3											100
								(3.4m) Lean CLAY with gravel (CL); trace silt, medium plasticity, medium stiff, dry, light gray, red and orange mottles	1.9	PT027_3.5	
4								(4.1m) Lean CLAY with gravel (CL); trace silt, medium plasticity, soft, moist, light gray, red and orange mottles	1.2	PT027_4.2	99
								(4.4m) As Above: becoming dry	1.1	PT027_4.8	
5											

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger. Ceased at 0.7m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT027/MW027**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 4**

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.32**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804015, 151.179434**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(4.8m) Lean CLAY with gravel (CL); trace silt, medium plasticity, medium stiff, dry, light gray, red and orange mottles			98
6									1.3	PT027_6.5	97
7								(7m) Lean CLAY (CL); trace fine gravel, medium plasticity, very stiff, dry, light gray			96
8								(7.7m) As Above: with red and orange mottles			95
9								(8.5m) Lean CLAY (CL); trace fine gravel, medium plasticity, very stiff, dry, light gray, red and orange mottles	1.2	PT027_8.5	94
10											

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger. Ceased at 0.7m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT027/MW027**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 4**

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.32**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804015, 151.179434**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(8.5m) Lean CLAY (CL); trace fine gravel, medium plasticity, very stiff, dry, light gray, red and orange mottles	1.1	PT027_10.5	93
11								(11.2m) SED ROCK (SHALE); clay, intensely weathered, gray, dry	1.3	PT027_11.2	92
12								(12m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red mottles			91
13								(13.5m) Lean CLAY (CL); some silt, medium plasticity, medium stiff, dry, light gray, yellowish brown silt	0.7	PT027_13.5	90
14								(13.7m) Lean CLAY (CL); trace fine gravel, medium plasticity, very stiff, dry, light gray (14.2m) SED ROCK (SHALE); clay, moderately weathered, hard, dark gray, dry	0.6	PT027_14.0	89
15									0.4	PT027_15.0	

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger. Ceased at 0.7m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT027/MW027**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **4 of 4**

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.32**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804015, 151.179434**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger. Ceased at 0.7m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT028/MW028**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**8.51**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):		Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):		Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.25m) Fill: clay with gravel and sand, grey with red mottles, medium sized gravel, brittle, dry	0.3	PT028_0.25	
								(0.5m) Fill: gravelly sand, dark grey, moist	0.4	PT026_0.5	
								(0.55m) Concrete			
1											1
2											2
								(2.7m) Fill: Sandy clay, black	0.6	PT028_2.7	
3								(2.9m) Lean CLAY (CL); trace fine gravel, medium plasticity, stiff, dry, light brown, red mottles	0.3	PT028_2.9	3
								(3.5m) Lean CLAY with sand (CL); trace fine gravel, medium plasticity, stiff, dry, light gray, red mottles	0.6	PT028_3.5	
4								(4m) Lean CLAY (CL); few fine-coarse gravel, few silt, medium plasticity, stiff, dry, dark reddish, grey mottles	1.2	PT028_4.0	4
									7.4	PT028_4.9	
5											5

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT028/MW028**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 4**

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**8.51**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):		Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):		Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
5								(4.8m) Fat CLAY with gravel (CH); trace fine sand, high plasticity, soft, dry, light gray, black and red mottles, slight solvent odour	6.2		5
								(5.5m) Lean CLAY with gravel (CL); few fine-coarse gravel, medium plasticity, very stiff, dry, light gray, red mottles	1.1	PT028_5.5	
6								(6.3m) Lean CLAY (CL); few fine-coarse gravel, little silt, medium plasticity, stiff, dry, light gray, red mottles	0.7	PT028_6.6	6
7								(6.9m) Lean CLAY (CL); trace fine-coarse gravel, trace silt, medium plasticity, very stiff, dry, light gray, red and orange mottles			7
8		▼						(8m) Lean CLAY (CL); trace fine gravel, trace silt, medium plasticity, very stiff, dry, light gray, red mottles	0.7	PT028_8.5	8
9								(9.6m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray	1.1		9
10									0.8		10

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT028/MW028**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 4**

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**8.51**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):		Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):		Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
10								(9.6m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray			10
								(10.4m) As Above: red and orange mottles	0.9	PT028_10.5	
11											11
								(11.7m) Lean CLAY (CL); trace silt, medium plasticity, very stiff, dry, dark gray, red mottles			
12									1.2	PT028_12.0	12
13									0.9		13
								(13.5m) SED ROCK (SHALE); clay, thinly bedded, intensely weathered, soft, dark gray, dry			
14									1.2	PT028_14.0	14
								(14.2m) Lean CLAY (CL); trace fine gravel, trace silt, medium plasticity, soft, moist, dark gray, red mottles	1.3	PT028_14.2	
								(14.4m) SED ROCK (SHALE); clay, moderately weathered, moderately hard, dark gray, dry			
15									1.1	PT028_15.0	15

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT028/MW028
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 4 of 4

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**8.51**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):		Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):		Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
15								(15m) Boring terminated			15
16											16
17											17
18											18
19											19
20											20

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger.

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BORING AND WELL LOG LEGEND

LITHOLOGY	WATER LEVEL	WELL/BORING COMPLETION	Sample Type	DESCRIPTION
				ASPHALT
				CONCRETE
				BEDROCK
				IGNEOUS Rock
				METAMORPHIC Rock
				SEDIMENTARY Rock
				Well-graded GRAVEL (GW)
				Poorly graded GRAVEL (GP)
				Silty GRAVEL (GM)
				Clayey GRAVEL (GC)
				Well-graded GRAVEL with silt (GW-GM)
				Poorly graded GRAVEL with silt (GP-GM)
				Well-graded GRAVEL with clay (GW-GC)
				Poorly graded GRAVEL with clay (GP-GC)
				Well-graded SAND (SW)
				Poorly graded SAND (SP)
				Silty SAND (SM)
				Clayey SAND (SC)
				Well-graded SAND with silt (SW-SM)
				Poorly graded SAND with silt (SP-SM)
				Well-graded SAND with clay (SW-SC)
				Poorly graded SAND with clay (SP-SC)
				SILT (ML)
				Lean CLAY (CL)
				Organic SOIL (OL)
				Elastic SILT (MH)
				Fat CLAY (CH)
				Organic SOIL (OH)
				Organic SOIL (OL/OH)
				PEAT (PT)
				Volume Descriptors:
				Trace = <5%
				Few = 5-10%
				Little = 15-25%
				Some = 30-45%
				Mostly = >=50%
				Water Level During Drilling
				Water Level at End of Drilling/in Completed Well
				Cap
				Riser
				Screen
				End Plug
				Annular Seal (Bentonite-Cement Grout, Bentonite Slurry/Chips/Pellets/Powder, Other)
				Sanitary Seal (Bentonite Slurry/Chips/Pellets/Powder, Other)
				Filter Pack (Sand, Gravel, Other)
				Backfill
			GR	Grab
			EN	Encore
			SS	Split Spoon
			SH	Shelby Tube
			CO	Core Barrel
			DP	Direct Push
			ID	Lab Sample and ID

NOTES:

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TESTPIT TP01

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 20/10/2023
TOTAL DEPTH 1.1 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP01: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy gravel, dark brown, moist	Moist	No odour or visual contamination
0.3	CPR_TP01: 1 x bulk PACM sample, 1x AF/FA sample, 1 x Waste Classification sample, QA/QC-17&18		FILL, sandy clay, dark brown with some angular gravel	Moist	No odour or visual containation
0.6			CLAY, high plasticity, orange	Moist	No odour or visual containation
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP02

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 19/10/2023
TOTAL DEPTH 1.1 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1	CPR_TP02: 1 x bulk PACM sample, 1x AF/FA sample, & QA/QC 11 & 12		Concrete Slab	-	
0.2			FILL, sandy gravel, dark brown, moist	Moist	No odour or visual contamination
0.3	CPR_TP02: 1 x bulk PACM sample, 1x AF/FA sample, & QA/QC 13 & 14				
0.4			FILL, sandy clay, dark brown with some angular gravel	Moist	No odour or visual contamination
0.5			CLAY, high plasticity, orange	Moist	No odour or visual containation
0.6					
0.7					
0.8					
0.9					
1			Testpit Terminated: 0.5m into Natural Material		
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP03

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 19/10/2023
TOTAL DEPTH 0.3 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP03: 1 x bulk PACM sample, 1x AF/FA sample, 1x waste classification sample		FILL, sandy gravel, brown	Dry	No odour or visual contamination
0.3			Testpit Terminated at 0.3m due to Underground Services		
0.4					
0.5					
0.6					
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP04

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 19/10/2023
TOTAL DEPTH 1 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP04: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy gravel, brown	Moist	No odour or visual contamination
0.3	CPR_TP04: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy gravel, black, with some silt	Moist	No odour or visual contamination
0.4					
0.5			CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.6					
0.7					
0.8					
0.9					
1			Testpit Terminated: 0.5m into Natural Material		
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP05

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 19/10/2023
TOTAL DEPTH 0.8 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP05: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification sample		FILL, sandy gravel, black, with some silt	Moist	No odour or visual contamination
0.3			CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.4					
0.5					
0.6					
0.7					
0.8			Testpit Terminated: 0.5m into Natural Material		
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP06

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 19/10/2023
TOTAL DEPTH 0.3 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP06: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy gravel, brown	Dry	No odour or visual contamination
0.3			Testpit Terminated at 0.3m due to Underground Services		
0.4					
0.5					
0.6					
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP07

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 20/10/2023
TOTAL DEPTH 1.1 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP07: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy gravel, brown	Moist	Trace construction material
0.3					
0.4	CPR_TP07: 1 x bulk PACM sample, 1x AF/FA sample, 1x PACM sample, 1 x waste classification, & QA/QC 15 & 16		FILL, silty sand, brown	Moist	Some construction material. Potentially asbestos containing material.
0.5					
0.6			CLAY, orange, high plasticity	Moist	No odour or visual containation
0.7					
0.8					
0.9					
1					
1.1			Testpit Terminated: 0.5m into Natural Material		
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP08

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 17/10/2023
TOTAL DEPTH 1.5 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP08: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy clay, reworked brown/grey/red with some gravel	Wet	No odour or visual contamination
0.3					
0.4					
0.5			Asphalt	-	
0.6					
0.7	CPR_TP08: 1 x bulk PACM sample, 1x AF/FA sample, 1x PACM sample, 1 x waste classification		FILL, sandy gravel, grey	Wet	Some construction material
0.8					
0.9			CLAY, orange, high plasticity	Moist	No odour or visual containation
1					
1.1					
1.2					
1.3					
1.4					
1.5			Testpit Terminated: 0.5m into Natural Material		
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP09

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 4/10/2023
TOTAL DEPTH 1.8 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP09: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy gravel, grey	Dry	No odour or visual contamination
0.3					
0.4			FILL, gravelly clay, red/grey, with some sand	Dry	No odour or visual contamination
0.5					
0.6					
0.7	CPR_TP09: 1 x bulk PACM sample, 1x AF/FA sample				
0.8			Asphalt	-	
0.9					
1					
1.1					
1.2			CLAY, orange, high plasticity	Moist	No odour or visual containation
1.3					
1.4					
1.5					
1.6					
1.7					
1.8			Testpit Terminated: 0.5m into Natural Material		
1.9					
2					
2.1					

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TESTPIT TP10

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 17/10/2023
TOTAL DEPTH 0.7 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2			FILL, sandy clay, reworked brown/grey/red with some gravel	Wet	No odour or visual contamination
0.3	CPR_TP10: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification				
0.4					
0.5					
0.6					
0.7			Testpit Terminated: 0.7m due to Second Slab		
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP11

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 04/10/2023
TOTAL DEPTH 0.7 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2			FILL, gravelly clay, red/grey, with some sand	Dry	No odour or visual contamination
0.3	CPR_TP11: 1 x bulk PACM sample, 1x AF/FA sample				
0.4					
0.5					
0.6					
0.7			FILL, sandy gravel, grey	Dry	No odour or visual contamination
0.8					
0.9					
1					
1.1					
1.2	CPR_TP11: 1 x bulk PACM sample, 1x AF/FA sample				
1.3					
1.4			Testpit Terminated: Refusal at Second Slab		
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP12

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 28/9/2023
TOTAL DEPTH 0.4 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP12: 1 x bulk PACM sample & 1x AF/FA sample		FILL, sandy clay, low plasticity, grey/red with some gravel	Moist	No odour or visual contamination
0.4			Testpit Terminated: Refusal at Second Slab		
0.5					
0.6					
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP13

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 04/10/2023
TOTAL DEPTH 0.85 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2			FILL, gravelly clay, red/grey, with some sand	Dry	No odour or visual contamination
0.3					
0.4	CPR_TP13: 1 x bulk PACM sample, 1x AF/FA sample				
0.5					
0.6			Concrete Slab		
0.7					
0.8					
0.9			Testpit Terminated: Refusal at Second Slab		
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP14

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 28/9/2023
TOTAL DEPTH 0.85 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2			FILL, sandy clay, low plasticity, grey/red with some gravel	Moist	No odour or visual contamination
0.3					
0.4					
0.5					
0.6	CPR_TP14: 1 x bulk PACM sample, 1x AF/FA sample & 1 x waste classification sample				
0.7					
0.8					
0.9			Testpit Terminated: Refusal at Second Slab		
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP15

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 04/10/2023
TOTAL DEPTH 0.8 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP15: 1 x bulk PACM sample, 1x AF/FA sample		FILL, gravelly clay, red/grey, with some sand	Dry	No odour or visual contamination
0.4					
0.5					
0.6					
0.7					
0.8			Testpit Terminated: Refusal at Second Slab		
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP16

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 28/9/2023
TOTAL DEPTH 2.0 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP16: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification sample, & QA/QC 3 & 4		FILL, sandy clay, low plasticity, grey/red with some gravel	Wet	No odour or visual contamination
0.3					
0.4					
0.5					
0.6					
0.7					
0.8					
0.9					
1					
1.1					
1.2	CPR_TP16: 1 x bulk PACM sample, 1x AF/FA sample		FILL, gravelly sand, brown/grey with some clay and silts	Dry	No odour or visual contamination
1.3					
1.4					
1.5					
1.6					
1.7					
1.8			CLAY, high plasticity, brown/olive	Moist	No odour or visual contamination
1.9					
2			Testpit Terminated: Target Depth Reached		
2.1					

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TESTPIT TP17

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 28/9/2023
TOTAL DEPTH 0.85 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP17: 1 x bulk PACM sample, 1x AF/FA sample & 1 x waste classification sample		FILL, sandy clay, low plasticity, grey/red with some gravel	Moist	No odour or visual contamination
0.4					
0.5					
0.6					
0.7					
0.8					
0.9			Testpit Terminated: Refusal at Second Slab		
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP18

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 28/9/2023
TOTAL DEPTH 0.75 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP18: 1 x bulk PACM sample & 1x AF/FA sample		FILL, sandy clay, low plasticity, grey/red with some gravel	Moist	No odour or visual contamination
0.4					
0.5					
0.6					
0.7					
0.8			Testpit Terminated: Refusal at Second Slab		
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP19

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 28/9/2023
TOTAL DEPTH 1.3 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP19: 1 x bulk PACM sample & 1x AF/FA sample		FILL, sandy clay, low plasticity, grey/red with some gravel	Wet	No odour or visual contamination
0.4					
0.5					
0.6					
0.7					
0.8					
0.9					
1	CPR_TP19: 1 x bulk PACM sample & 1x AF/FA sample				
1.1					
1.2					
1.3			Testpit Terminated: Refusal at Second Slab		
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP20

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 28/9/2023
TOTAL DEPTH 0.65 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP20: 1 x bulk PACM sample, 1x AF/FA sample & 1 x waste classification sample		FILL, sandy clay, low plasticity, grey/red with some gravel	Wet	No odour or visual contamination
0.4					
0.5					
0.6					
0.7			Testpit Terminated: Refusal at Second Slab		
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP21

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 26/9/2023
TOTAL DEPTH 0.55 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3			FILL, sandy clay, reworked brown/grey/red with some gravel	Moist	Trace fragments (<5 cm) of concrete, brick and tiles
0.4	CPR_TP30: 1 x bulk PACM sample, 1x AF/FA sample & 1 x waste classification sample				
0.5					
0.6			Testpit Terminated: Refusal at Second Slab		
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP22

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 26/9/2023
TOTAL DEPTH 0.55 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3			FILL, sandy clay, reworked brown/grey/red with some gravel	Moist	Construction material observed
0.4	CPR_TP22: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification				
0.5					
0.6			Testpit Terminated: Refusal at Second Slab		
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP23

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 26/9/2023
TOTAL DEPTH 2 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3			FILL, sandy clay, reworked brown/grey/red with some gravel	Dry	Building material observed
0.4					
0.5					
0.6	CPR_TP23: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification sample				
0.7					
0.8					
0.9					
1			Asphalt	-	
1.1			FILL, sandy clay, brown with some gravel	Moist	No odour or visual containation
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8	CPR_TP23: 1 x bulk PACM sample, 1x AF/FA sample				
1.9			CLAY, orange, high plasticity	Moist	No odour or visual contamination
2			Testpit Terminated: Target Depth Reached		
2.1					

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TESTPIT TP24

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 25/9/2023
TOTAL DEPTH 0.6 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP24: 1 x bulk PACM sample, 1x AF/FA sample & 1 x waste classification sample		FILL, sandy clay, low plasticity, grey/red with some gravel	-	No odour or visual contamination
0.3					
0.4			Concrete Slab		
0.5					
0.6			Testpit Terminated: Refusal at Second Slab		
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP25

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 25/9/2023
TOTAL DEPTH 2 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2			FILL, sandy gravel, grey	Dry	Some construction waste - including reinforcement bars, and fragments of concrete and bricks
0.3					
0.4			FILL, gravelly clay, dark brown with some sand and trace gravel	Moist	Pieces of geotextile fabric
0.5					
0.6					
0.7					
0.8	CPR_TP25: 1 x bulk PACM sample & 1x AF/FA sample				
0.9			Asphalt	-	
1			FILL, gravelly clay, dark brown with some sand and trace gravel	Moist	Some construction waste - including reinforcement bars, and fragments of concrete and bricks
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8	CPR_TP25: 1 x bulk PACM sample & 1x AF/FA sample				
1.9					
2			End of Testpit: Target Depth Reached		
2.1					

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TESTPIT TP26

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 25/9/2023
TOTAL DEPTH 2 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3			FILL, gravelly clay, brown/red with some sand, trace silt and trace rootlets	Moist	No odour or visual contamination
0.4					
0.5					
0.6					
0.7					
0.8			Asphalt	-	
0.9	CPR_TP26: 1 x bulk PACM sample & 1x AF/FA sample		FILL, sandy gravel, dark brown, trace silts	Moist	No odour or visual contamination
1					
1.1	CPR_TP26: 1 x bulk PACM sample, 1x AF/FA sample & 1 x waste classification sample				
1.2			CLAY, high plasticity, brown/olive	Moist	No odour or visual contamination
1.3					
1.4					
1.5					
1.6					
1.7			Testpit Terminated: 0.5 m into Natural Material		
1.8					
1.9					
2					
2.1					

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TESTPIT TP27

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 26/9/2023
TOTAL DEPTH 2.0 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3			FILL, gravelly sand, brown with some silt	Moist	Fragments (<5 cm) of concrete, brick and tiles
0.4					
0.5					
0.6			FILL, sandy clay, brown, with some gravel	Moist	Fragments (<5 cm) of concrete, brick and tiles
0.7	CPR_TP27: 1 x bulk PACM sample & 1x AF/FA sample				
0.8					
0.9			FILL, sandy clay, reworked brown/grey/red with trace gravel	Moist	Trace fragments (<5 cm) of concrete, brick and tiles
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9	CPR_TP29: 1 x bulk PACM sample & 1x AF/FA sample		CLAY, high plasticity, brown/olive	Moist	No odour or visual contamination
2			End of Testpit: Target Depth Reached		
2.1					

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TESTPIT TP28

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 26/9/2023
TOTAL DEPTH 1.7 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3			FILL, sandy clay, reworked brown/grey/red with some gravel	Moist	Disconnected electricity line and conduit passing the testpit at 0.4-0.5 mBGL
0.4	CPR_TP28: 1 x bulk PACM sample & 1x AF/FA sample				
0.5					
0.6					
0.7			FILL, sandy clay, brown, with some silt and gravel	Moist	Fragments (<5 cm) of concrete, brick and tiles
0.8					
0.9					
1	CPR_TP28: 1 x bulk PACM sample, 1x AF/FA sample & 1 x waste classification sample				
1.1					
1.2			CLAY, high plasticity, brown/olive	Moist	No odour or visual contamination
1.3					
1.4					
1.5					
1.6					
1.7			Testpit Terminated: 0.5 m into Natural Material		
1.8					
1.9					
2					
2.1					

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TESTPIT TP29

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 27/9/2023
TOTAL DEPTH 1.3 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP29: 1 x bulk PACM sample & 1x AF/FA sample		FILL, sandy clay, reworked brown/grey/red with some gravel	Moist	Some fragments (<5 cm) of concrete, brick and tiles
0.4			FILL, sandy gravel, grey/brown (becoming darker with depth), some silt	Dry	Some fragments (<5 cm) of concrete, brick and tiles
0.5					
0.6	CPR_TP29: 1 x bulk PACM sample & 1x AF/FA sample				
0.7					
0.8			CLAY, high plasticity, brown/olive	Moist	No odour or visual contamination
0.9					
1					
1.1					
1.2					
1.3			Testpit Terminated: 0.5 m into Natural Material		
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP30

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 27/9/2023
TOTAL DEPTH 0.4 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP30: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification sample, & QA/QC 1 & 2				
0.3			FILL, sandy clay, reworked brown/grey/red with some gravel	Moist	Some fragments (<5 cm) of concrete, brick and tiles
0.4			Asphalt	-	
0.5			Testpit Terminated: Refusal at Second Slab		
0.6					
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP31

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 26/9/2023
TOTAL DEPTH 1.7 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2			FILL, sandy clay, reworked brown/grey/red with some gravel	Moist	No odour or visual containation
0.5			Concrete Slab	-	
0.6	CPR_TP31: 1 x bulk PACM sample, 1x AF/FA sample		FILL, silty sand, brown, some clay	Dry	Construction material observed
0.8			Brick Layer	-	
0.9	CPR_TP31: 1 x bulk PACM sample, 1x AF/FA sample		FILL, silty sand, brown, some clay	Dry	Construction material observed
1.2			CLAY, orange, high plasticity	Moist	No odour or visual contamination
1.7			Testpit Terminated: 0.5m into Natural Material		
2.1					

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TESTPIT TP32

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 19/10/2023
TOTAL DEPTH 0.35 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP32: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy clay, reworked brown/grey/red with some gravel	Moist	No odour or visual contamination
0.4			Testpit Terminated: Refusal at Second Slab		
0.5					
0.6					
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP33

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 17/10/2023
TOTAL DEPTH 1 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP33: 1 x bulk PACM sample, 1x AF/FA sample		FILL, sandy clay, reworked brown/grey/red with some gravel	Wet	No odour or visual contaminants
0.3					
0.4	CPR_TP33: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification		FILL, gravelly clay, brown, with some sand	Wet	Trace construction material
0.5					
0.6			CLAY, orange, high plasticity	Moist	No odour or visual containation
0.7					
0.8					
0.9					
1			Testpit Terminated: Underground Services		
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP34

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 1.1 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP34: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification sample				
0.3			FILL, gravelly clay, brown, with some sand	Wet	Trace steel reinforcement bar
0.4			Concrete Slab	-	
0.5			Asphalt	-	
0.6			FILL, gravelly clay, brown, with some sand	Moist	No odour or visual contamination
0.7			CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.8					
0.9					
1					
1.1			Testpit Terminated: Target Depth Reached		
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP35

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 0.6 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3			FILL, gravelly clay, brown, with some sand	Wet	No odour or visual containation
0.4	CPR_TP35: 1 x bulk PACM sample, 1x AF/FA sample, 1 x waste classification & 1 x ACM sample		FILL, sand, brown, some gravel	Moist	No odour or visual contamination
0.5					
0.6			Testpit Terminated: Suspected ACM Pipe		
0.7					
0.8					
0.9					
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP36

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 28/9/2023
TOTAL DEPTH 0.9 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2					
0.3	CPR_TP36: 1 x bulk PACM sample & 1x AF/FA sample		FILL, sandy clay, brown with some gravel	Dry	Some construction waste fragments (<5 cm) of concrete, brick and asphalt
0.4			CLAY, high plasticity, brown/olive with grey mottling	Moist	No odour or visual contamination
0.5					
0.6					
0.7					
0.8					
0.9			Testpit Terminated: 0.5 m into Natural Material		
1					
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP37

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 27/9/2023
TOTAL DEPTH 1.2 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2	CPR_TP37: 1 x bulk PACM sample & 1x AF/FA sample		FILL, sand, medium grained, yellow/grey	Dry	No odour or visual contamination
0.3			FILL, sandy clay, medium plasticity, brown	Dry	Some construction material - fragments (<5 cm) of concrete , brick and asphalt
0.4					
0.5					
0.6					
0.7					
0.8			CLAY, high plasticity, brown/olive with grey mottling	Moist	No odour or visual contamination
0.9					
1					
1.1					
1.2			Testpit Terminated: 0.5 m into Natural Material		
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP38

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DIGGING DATE 27/9/2023
TOTAL DEPTH 1.1 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1			Concrete Slab	-	
0.2			FILL, sand, medium grained, yellow/grey	Dry	No odour or visual contamination
0.3	CPR_TP38: 1 x bulk PACM sample & 1x AF/FA sample		FILL, sandy clay, medium plasticity, brown	Dry	Some construction materials - fragments (<5 cm) of concrete, brick and asphalt
0.4					
0.5					
0.6			CLAY, high plasticity, brown/olive with grey mottling	Moist	No odour or visual contamination
0.7					
0.8					
0.9					
1					
1.1			Testpit Terminated: 0.5 m into natural material		
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP39

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 20/10/2023
TOTAL DEPTH 1.1 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1	CPR_TP39: 1 x bulk PACM sample, 1x AF/FA sample		Concrete Slab	-	
0.2			FILL, silty sand, brown, some gravel	Moist	Some construction material
0.3			FILL, sandy clay, reworked brown/grey/red with some gravel	Moist	No odour or visual contamination
0.4					
0.5					
0.6			CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.7	CPR_TP39: 1 x bulk PACM sample, 1x AF/FA sample				
0.8					
0.9					
1					
1.1			Testpit Terminated: Target Depth Reached		
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
2					
2.1					

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TESTPIT TP40

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 1.3 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	PID	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1				Concrete Slab	-	
0.2	0.4	CPR_TP40: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, sandy gravel, dark grey, trace silt	Moist	Trace construction material
0.5						
0.6	0.5	CPR_TP40: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample, & QA/QC 5 & 6		FILL, silty sand, brown	Moist	Some construction material
0.8	0.4	CPR_TP40: 1 x PFAS sample, 1 x categorisation sample		CLAY, orange, high plasticity	Moist	No odour or visual contamination
1.3				Testpit Terminated: 0.5m into Natural Material		

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TESTPIT TP41

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 1.3 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	PID	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1				Concrete Slab	-	
0.2	0.5	CPR_TP41: 1 x bulk PACM sample, 1 x PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, sandy gravel, dark grey, trace silt	Moist	Trace construction material, PACM observed
0.3						
0.4						
0.5						
0.6	0.6	CPR_TP41: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, silty sand, brown	Moist	Some construction material, trace ash observed
0.7						
0.8				CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.9	0.4	CPR_TP41: 1 x PFAS sample, 1 x categorisation sample				
1						
1.1						
1.2						
1.3				Testpit Terminated: 0.5m into Natural Material		
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						

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TESTPIT TP42

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 1.3 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	PID	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1				Concrete Slab	-	
0.2	0.5	CPR_TP42: 1 x PFAS sample, 1 x categorisation sample		FILL, sandy gravel, dark grey, trace silt	Moist	Trace construction material
0.3	0.5	CPR_TP42: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, gravelly sand, yellow	Dry	Some construction material
0.5	0.5	CPR_TP42: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, sandy gravel, dark grey, trace silt	Moist	No odour or visual contamination
0.7				CLAY, orange, high plasticity	Moist	No odour or visual contamination
1.3				Testpit Terminated: 0.5m into Natural Material		
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						

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TESTPIT TP43

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 1.5 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	PID	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1				Concrete Slab	-	
0.2		CPR_TP43: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, sandy gravel, dark grey, trace silt	Moist	Trace construction material
0.3	0.4					
0.4		CPR_TP43: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, sandy gravel, dark grey/black, trace silt	Moist	Trace construction material
0.5	0.6					
0.6				CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.7						
0.8						
0.9						
1						
1.1						
1.2						
1.3						
1.4		CPR_TP43: 1 x PFAS sample, 1 x categorisation sample				
1.5	0.4			Testpit Terminated: 0.5m into Natural Material		
1.6						
1.7						
1.8						
1.9						
2						
2.1						

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TESTPIT TP44

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 1.45 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	PID	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1				Concrete Slab	-	
0.2	0.2	CPR_TP44: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, gravelly sand, light brown	Moist	Some construction material
0.3						
0.4				Brick Layer	-	
0.5	0.2	CPR_TP44: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, gravelly sand, dark brown	Moist	Some construction material
0.6						
0.7						
0.8				CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.9	0.2	CPR_TP44: 1 x PFAS sample, 1 x categorisation sample				
1						
1.1						
1.2						
1.3						
1.4						
1.5				Testpit Terminated: 0.5m into Natural Material		
1.6						
1.7						
1.8						
1.9						
2						
2.1						

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TESTPIT TP45

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 1.4 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

Depth (m)	PID	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1				Concrete Slab	-	
0.2	0.4	CPR_TP45: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, silty sand, brown, some gravel	Moist	No odour or visual contamination
0.3						
0.4	0.5	CPR_TP45: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample, & QA/QC 7 & 8		FILL, sandy gravel, dark grey/black, some silt	Moist	No odour or visual contamination
0.5						
0.6				CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.7	0.4	CPR_TP45: 1 x PFAS sample, 1 x categorisation sample				
0.8						
0.9						
1						
1.1						
1.2						
1.3						
1.4				Testpit Terminated: 0.5m into Natural Material		
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						

Disclaimer This log is intended for environmental not geotechnical purposes.

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nation partners

TESTPIT TP46

PROJECT NUMBER NP22202
PROJECT NAME Chatswood Pre-Remediation
CLIENT Sydney Metro
ADDRESS Chatswood Dive Site - Cnr of the Pacific Highway and Mowbray Rd, Chatswood

DRILLING DATE 18/10/2023
TOTAL DEPTH 1.4 m
DIAMETER 0.8 x 2.0 m
METHOD Excavator

COMPANY Synergy
EXCAVATOR Hitachi ZX65
OPERATOR Adam Webster
LOGGED BY Ryan Thompson & Nelson Phillips
CHECKED BY Bradley Coates

COMMENTS

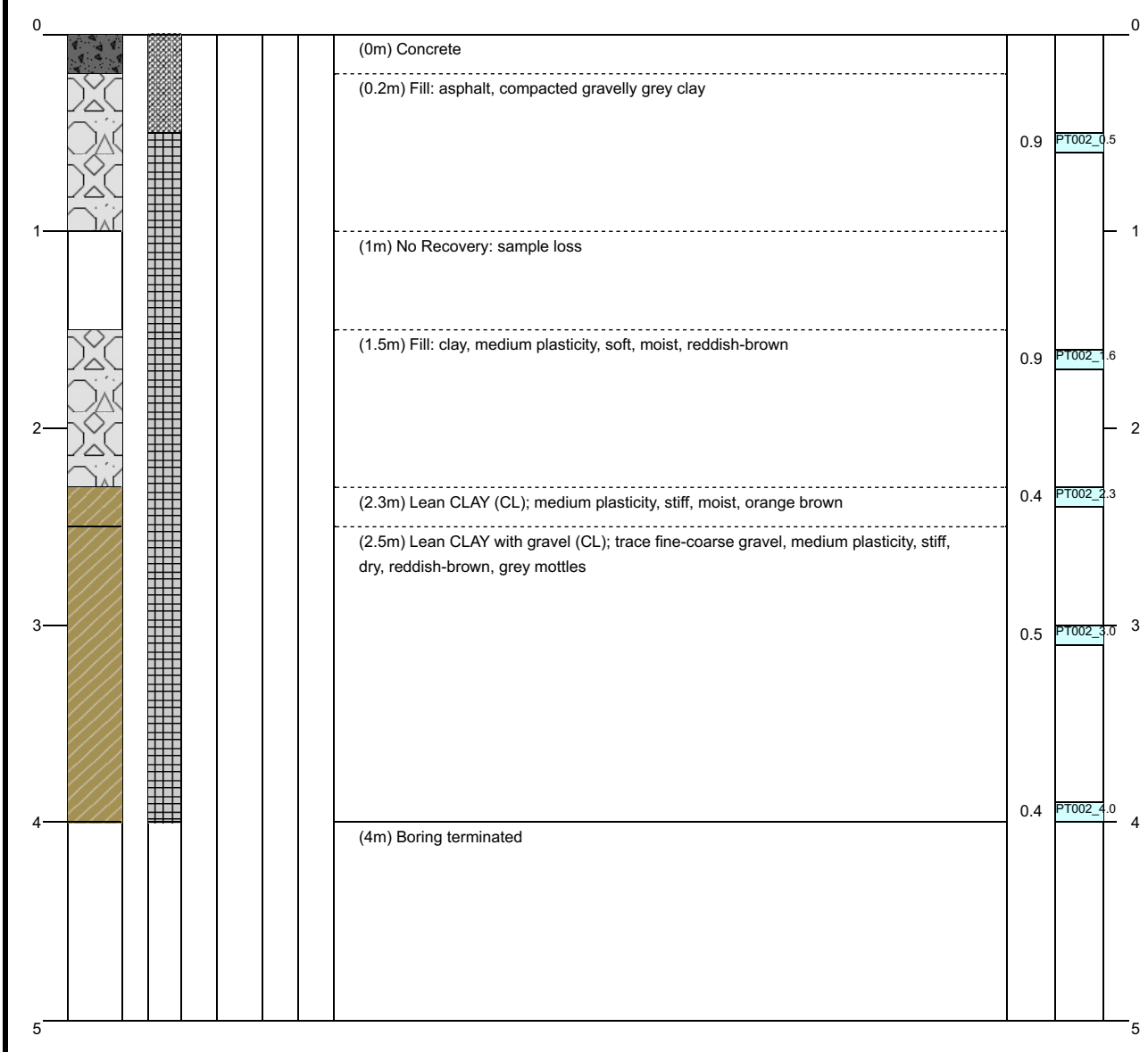
Depth (m)	PID	Samples	Graphic Log	Material Description	Moisture	Additional Observations
0.1				Concrete Slab	-	
0.2	0.5	CPR_TP46: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample, QA/QC 9 & 10		FILL, silty sand, brown, some gravel	Moist	No odour or visual contamination
0.3						
0.4	0.4	CPR_TP46: 1 x bulk PACM sample, 1 x AF/FA sample, 1 x PFAS sample, 1 x categorisation sample		FILL, sandy gravel, dark grey/black, some silt	Moist	No odour or visual contamination
0.5						
0.6				CLAY, orange, high plasticity	Moist	No odour or visual contamination
0.7						
0.8						
0.9						
1	0.4	CPR_TP46: 1 x PFAS sample, 1 x categorisation sample				
1.1						
1.2						
1.3						
1.4				Testpit Terminated: 0.5m into Natural Material		
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						

Disclaimer This log is intended for environmental not geotechnical purposes.

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nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT002
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

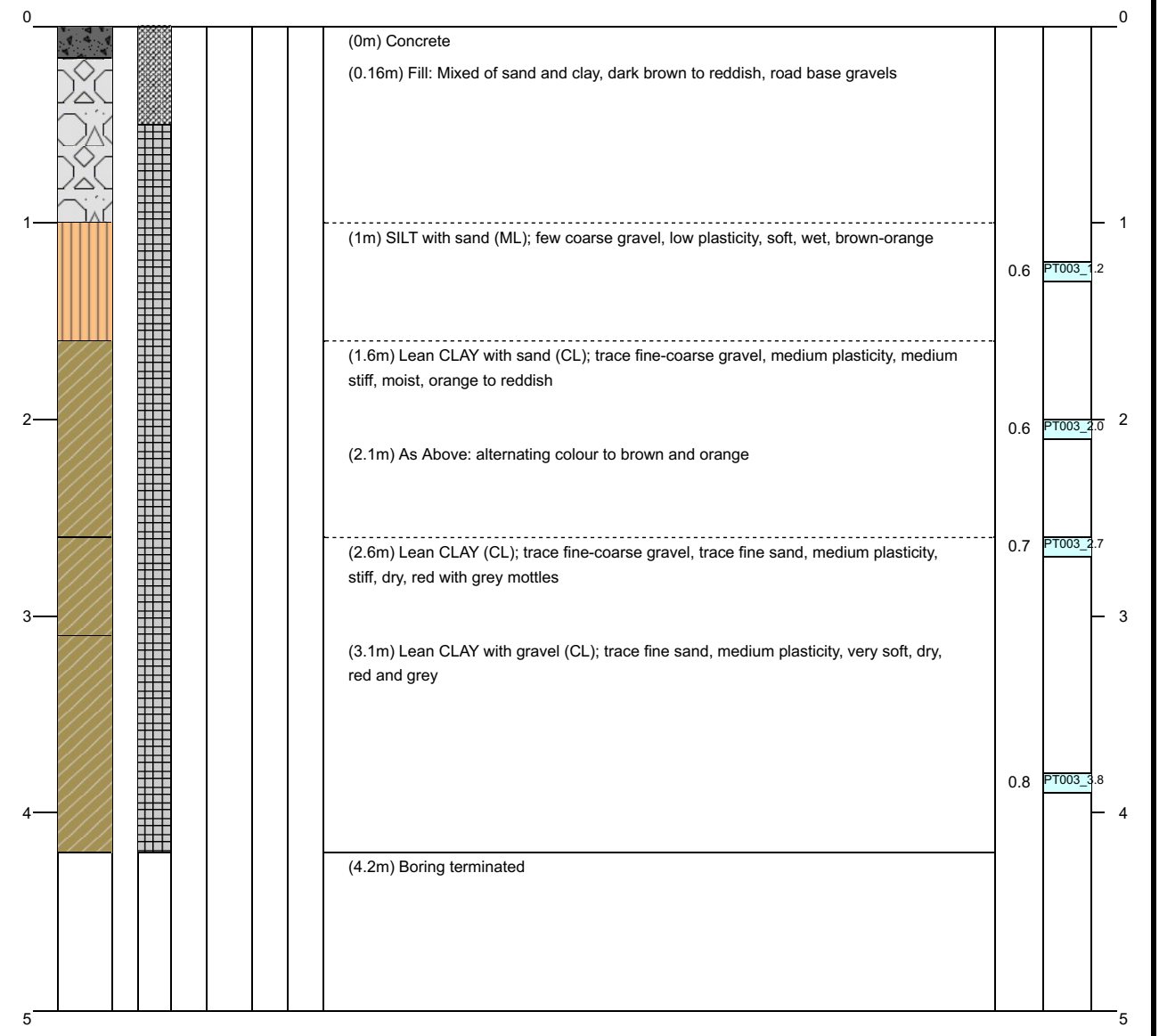
Drilling Start Date:	**08/06/2020**	Boring Depth (m):	**4.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	



NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 4.0mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT003
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	Client:	Sydney Metro	WELL LOG	
	Project:	Chatswood Data Gap Investigation	Well No.	SRT-PT004/MW004
	Address:	Corner Pacific Highway and Mowbray Road, Chatswood	Page:	1 of 3

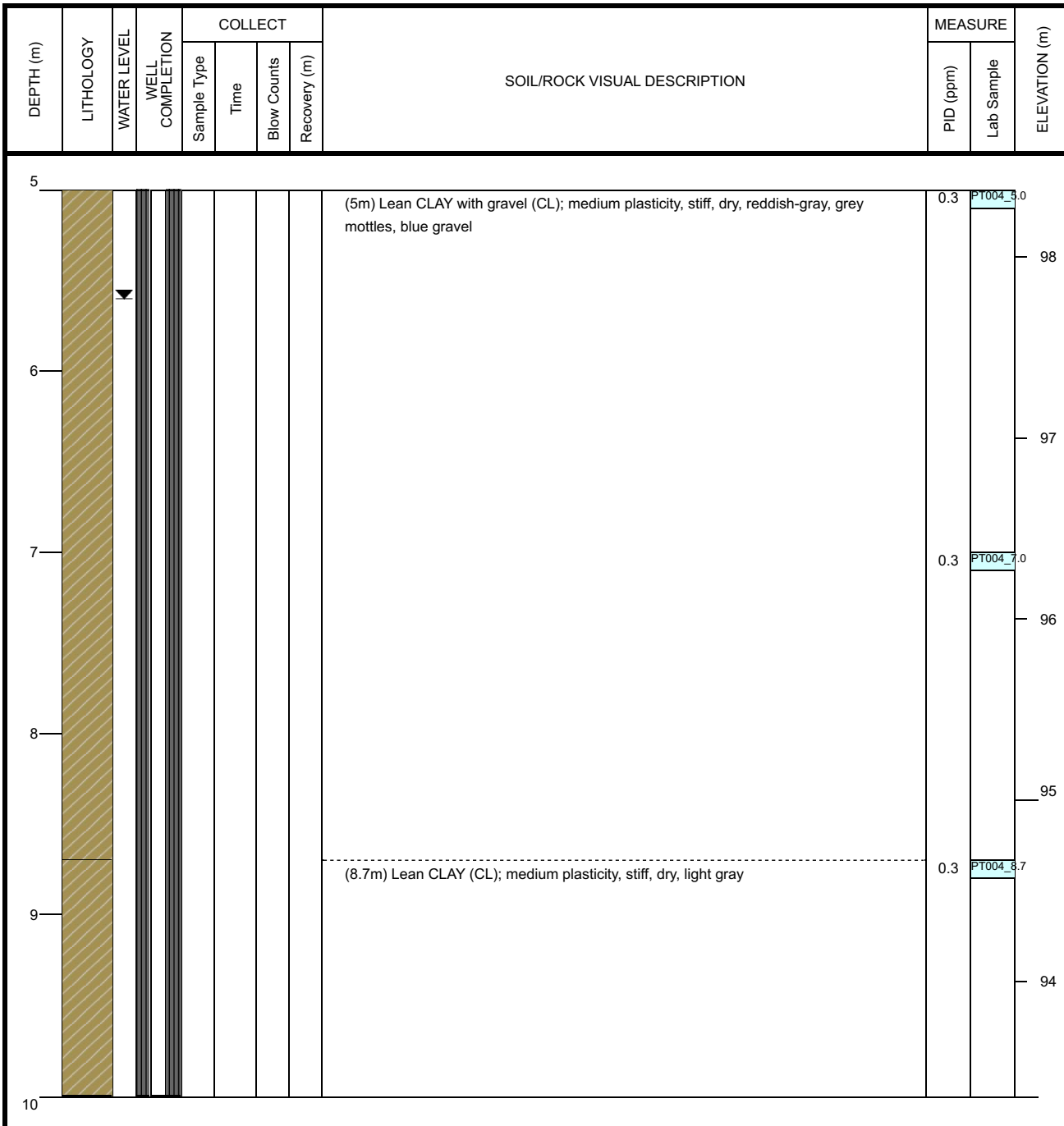
Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**14.4**	Well Depth (m):	**14.4**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**5.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.37**	Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804532, 151.180379**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			
								(0.2m) Fill: dark gray gravelly sand	0.6	PT004_0.2	
								(0.4m) Lean CLAY with gravel (CL); few silt, medium plasticity, soft, moist, dark reddish-brown, reworked natural	0.4	PT004_0.4	103
1											102
2								(2m) As Above: becoming dry	1.1	PT004_2.0	
											101
								(2.7m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, light yellowish-brown, red mottles	0.8	PT004_2.7	
3											100
								(3.8m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish, gray mottles	0.9	PT004_3.8	
4								(4.2m) As Above: increased gravel			99
5											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT004/MW004
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 3

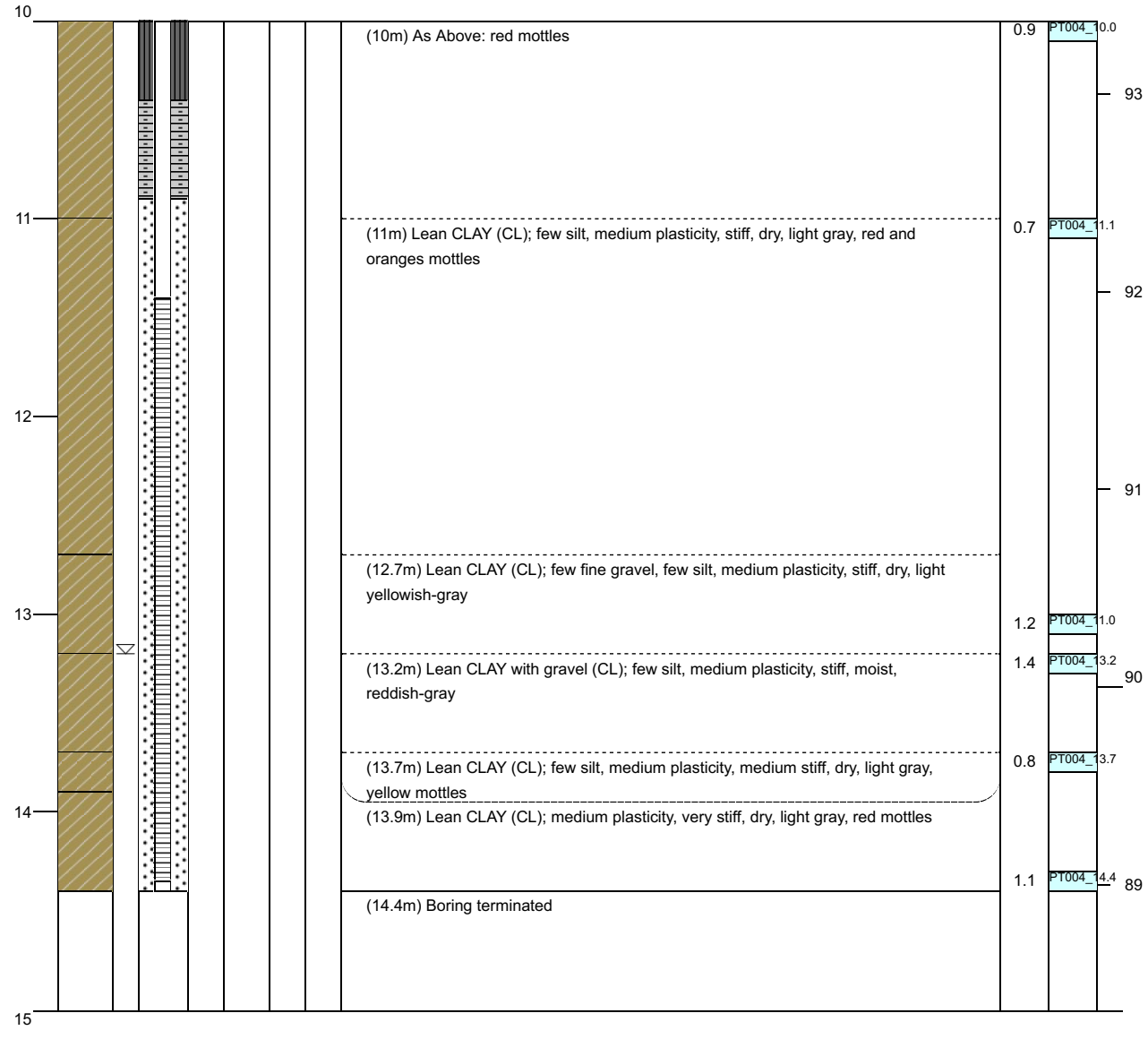
Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**14.4**	Well Depth (m):	**14.4**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**5.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.37**	Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804532, 151.180379**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT004/MW004**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **3 of 3**

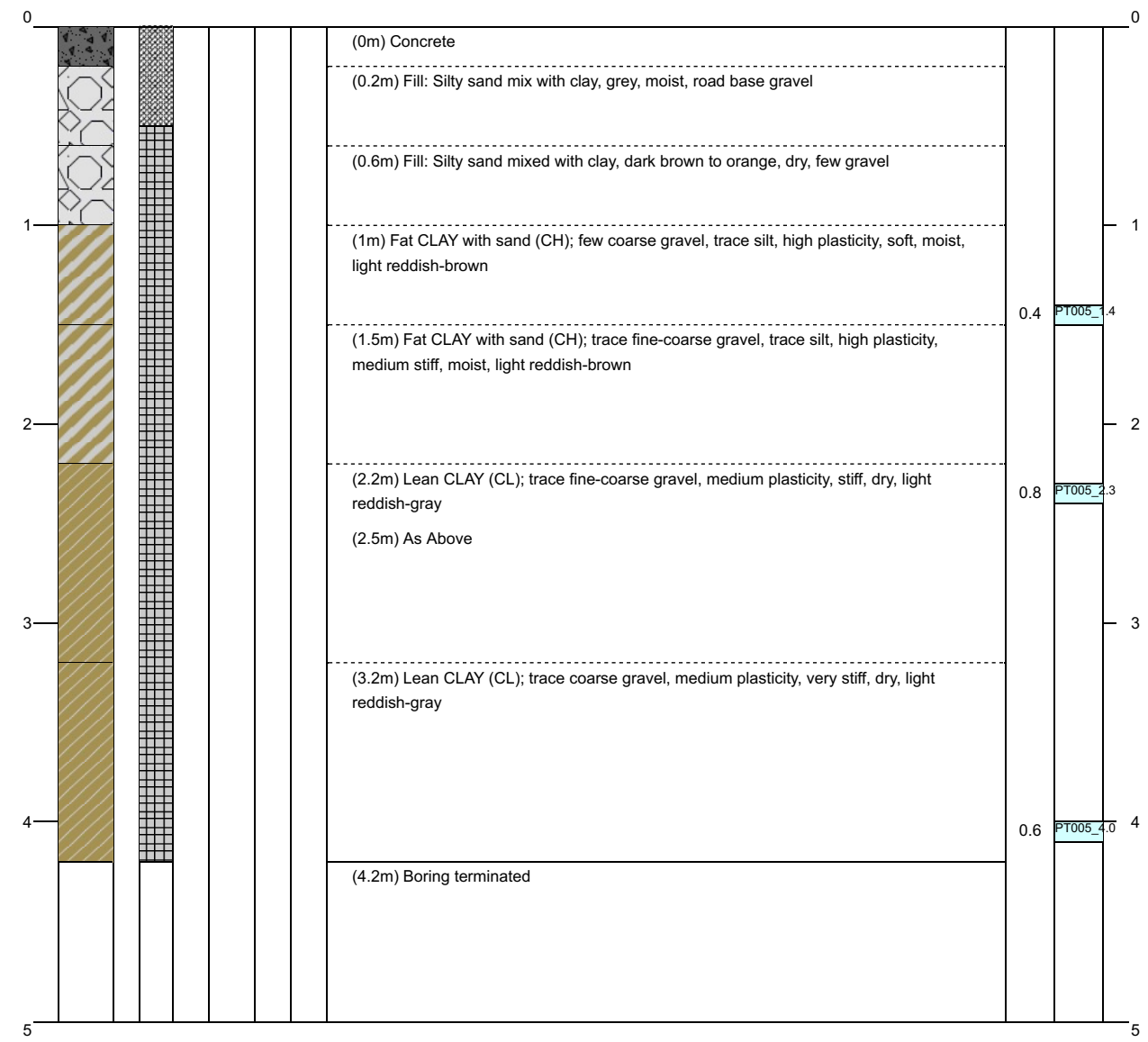
Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**14.4**	Well Depth (m):	**14.4**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**5.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.37**	Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804532, 151.180379**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT005
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	Client:	Sydney Metro	WELL LOG	
	Project:	Chatswood Data Gap Investigation	Well No.	SRT-PT006/MW006
	Address:	Corner Pacific Highway and Mowbray Road, Chatswood	Page:	1 of 3

Drilling Start Date:	**14/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.2**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.8046, 151.180111**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			103
1								(0.8m) Fill: clay with sand, medium plasticity, soft, dry, light yellowish-brown			102
2									0.9	PT006_2.0	101
									1.1	PT006_2.4	
								(2.5m) Fill: potential roadbase, dark gray, coarse gravel	1.1	PT006_2.6	
3								(2.8m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, dark reddish, gray and orange mottles	1.2	PT006_2.8	
									1.1		100
								(3.4m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, dark reddish, grey mottles			
4									0.8	PT006_3.8	
											99
									0.9		
5											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT006/MW006**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 3**

Drilling Start Date:	**14/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.2**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.8046, 151.180111**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(3.4m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, dark reddish, grey mottles	0.7	PT006_5.0	98
6											97
								(6.5m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, light gray, red and dark blue mottles	1.0	PT006_6.5	
7											96
8									0.6	PT009_8.0	95
									24.5	PT006_8.7	
9								(8.8m) Lean CLAY (CL); few fine gravel, trace silt, medium plasticity, very stiff, dry, reddish, gray and orange mottles, mild solvent odour	2.3	PT006_9.0	94
									0.9		
10											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT006/MW006
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 3

Drilling Start Date:	**14/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.2**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.8046, 151.180111**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10											
								(8.8m) Lean CLAY (CL); few fine gravel, trace silt, medium plasticity, very stiff, dry, reddish, gray and orange mottles, mild solvent odour			93
11									1.0	PT006_11.0	
											92
									1.4		
12		▽									
								(12m) Lean CLAY with gravel (CL); trace silt, medium plasticity, soft, moist, dark reddish, gray mottles	1.3	PT006_12.0	
											91
								(12.7m) Lean CLAY (CL); medium plasticity, stiff, dry, light gray, brittle, red mottles	1.2	PT006_12.7	
13											
											90
14											
											89
									1.2	PT006_14.5	
								(14.5m) Boring terminated			
15											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT007
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

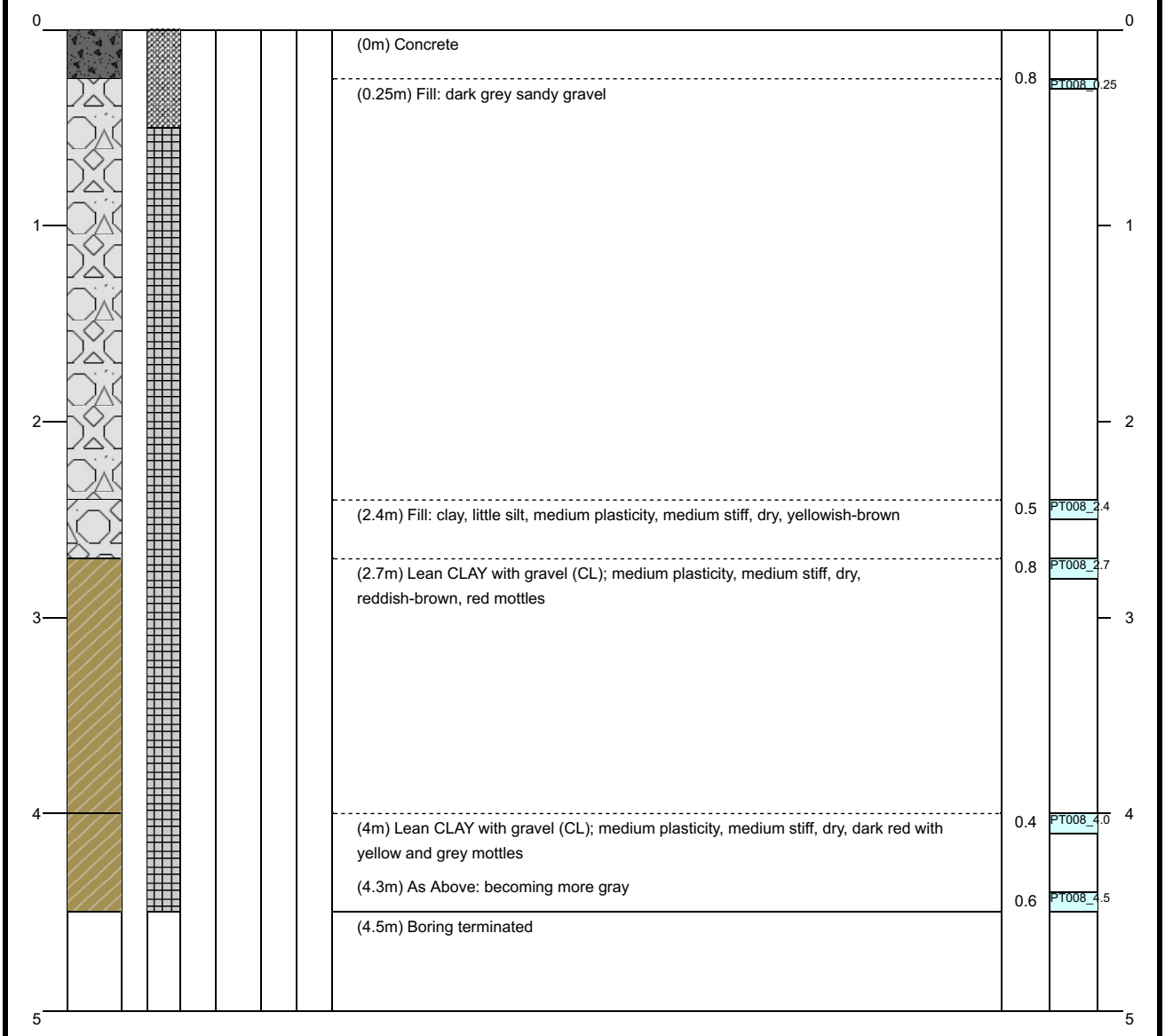
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Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.2m) Fill: Silty sand mix with clay, dark brown, few gravel, road base gravel			
								(0.5m) Fill: Lean clay with sand, silt, few gravel, dark brown			
								(0.8m) Fill: Lean clay with sand, less silt, few coarse gravel, light orange, medium plasticity			
1								(1m) Lean CLAY (CL); trace fine sand, medium plasticity, soft, wet, brown to orange			1
									1.2	PT007_1.5	
								(1.6m) Lean CLAY (CL); trace fine sand, medium plasticity, stiff, moist, light reddish-brown			
2											2
								(2.4m) Lean CLAY (CL); trace fine-coarse gravel, medium plasticity, very stiff, moist, light reddish-gray			
									1.1	PT007_2.8	
3											3
									0.6	PT007_3.5	
									0.7	PT007_3.7	
4											4
								(4.2m) Boring terminated			
5											5

NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT008
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

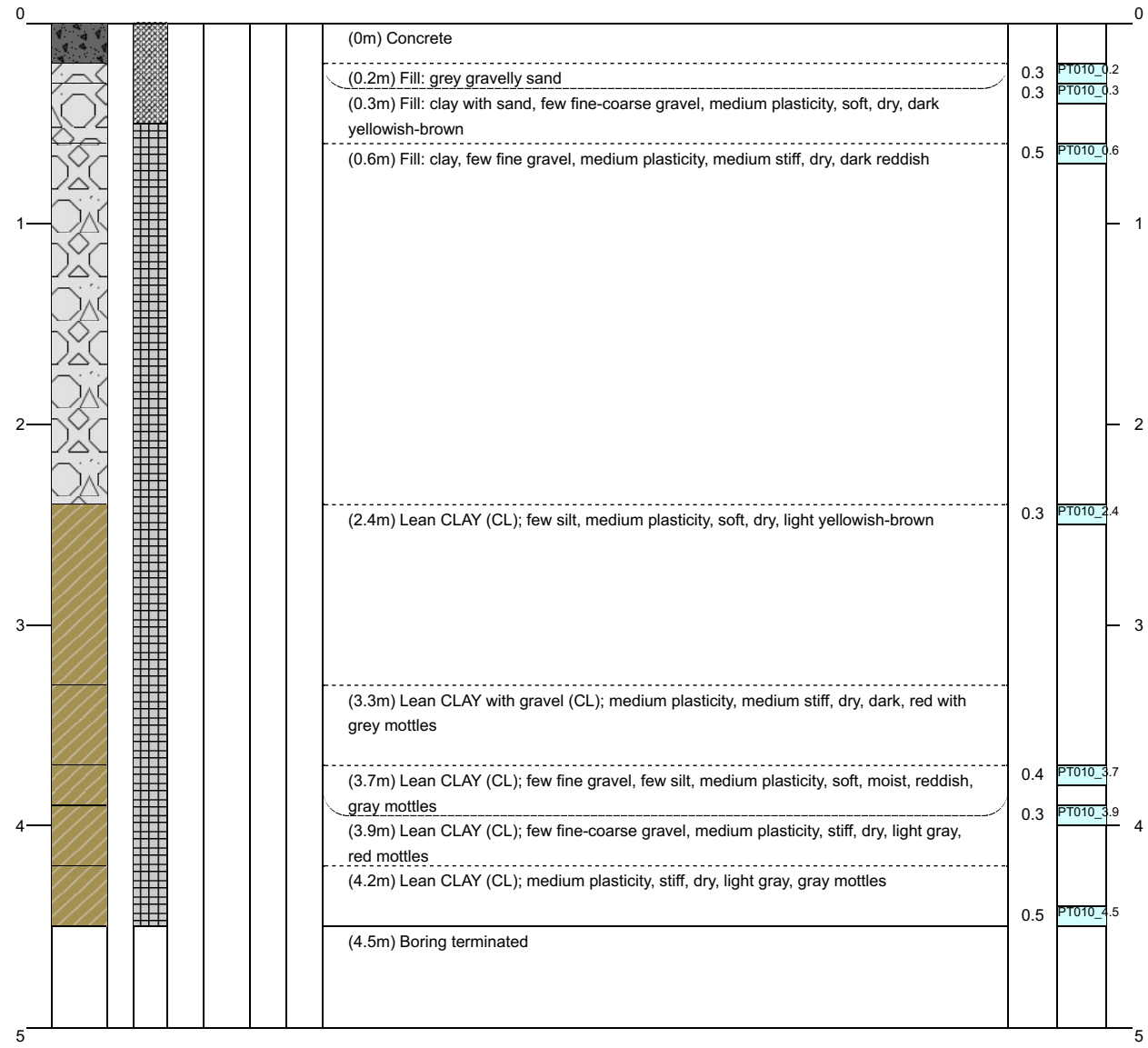
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Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	



NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 4.5mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT010
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

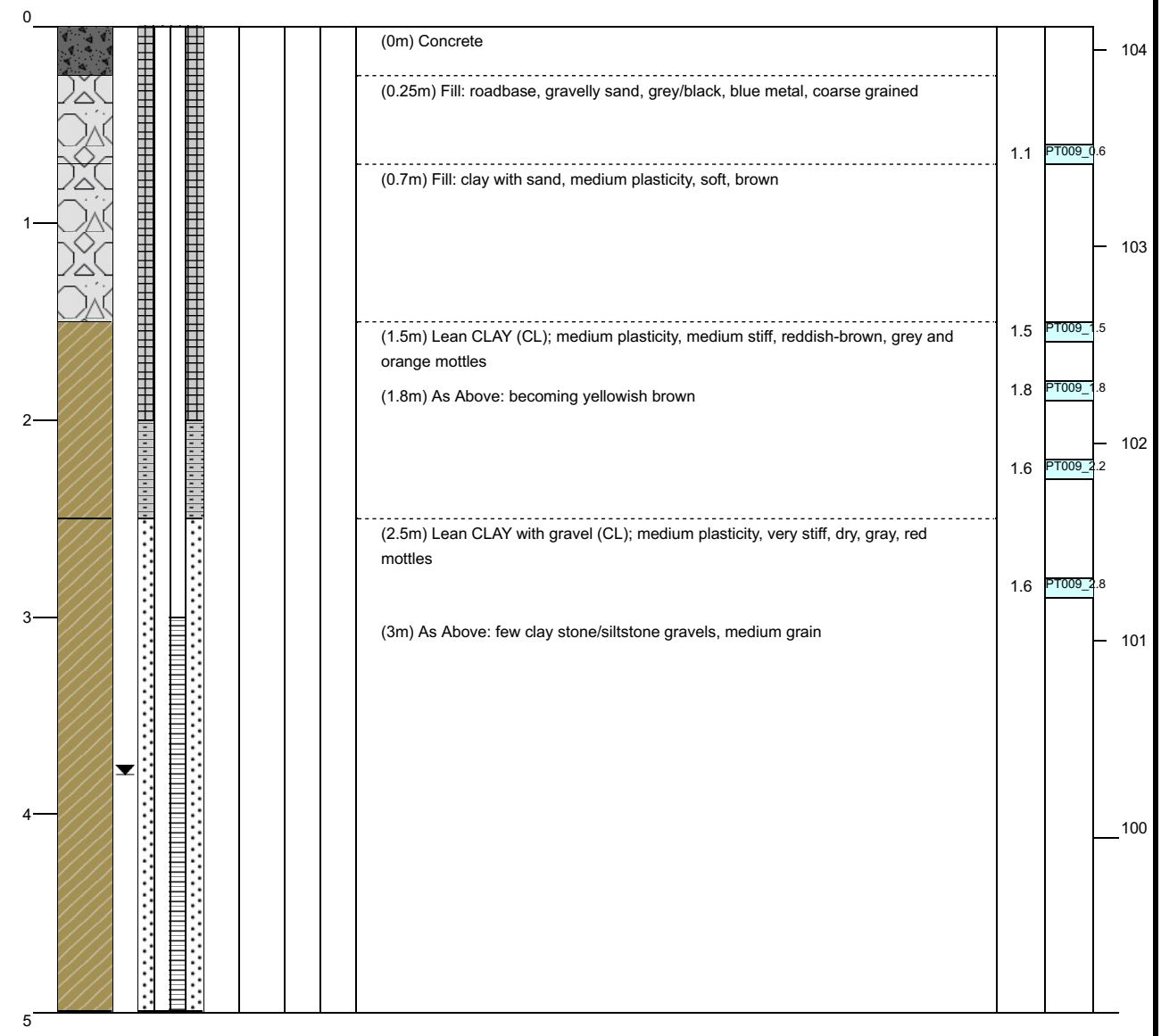
Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**4.5**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	



NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 4.5mBGL in natural soil

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT009/MW009
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 3

Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.8**	Well Depth (m):	**13.8; 6.0**
Drilling End Date:	**06/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**104.12**	Seal Material(s):	**Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.80516, 151.179538**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT009/MW009**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 3**

Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.8**	Well Depth (m):	**13.8; 6.0**
Drilling End Date:	**06/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**104.12**	Seal Material(s):	**Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.80516, 151.179538**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(3m) As Above: few clay stone/siltstone gravels, medium grain	2.0	PT009_5.0	99
6											98
7								(7m) As Above: gravel increasing, becoming low plastic	1.4	PT009_7.0	97
8								(7.8m) As Above: weathered siltstone/clay stone, lenses higher clay, lenses with higher gravel			96
9									1.2	PT009_8.8	95
10									1.5	PT009_9.8	

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	**Client:** Sydney Metro		**WELL LOG**
	Project: Chatswood Data Gap Investigation	**Well No.**	SRT-PT009/MW009
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	**Page:**	3 of 3

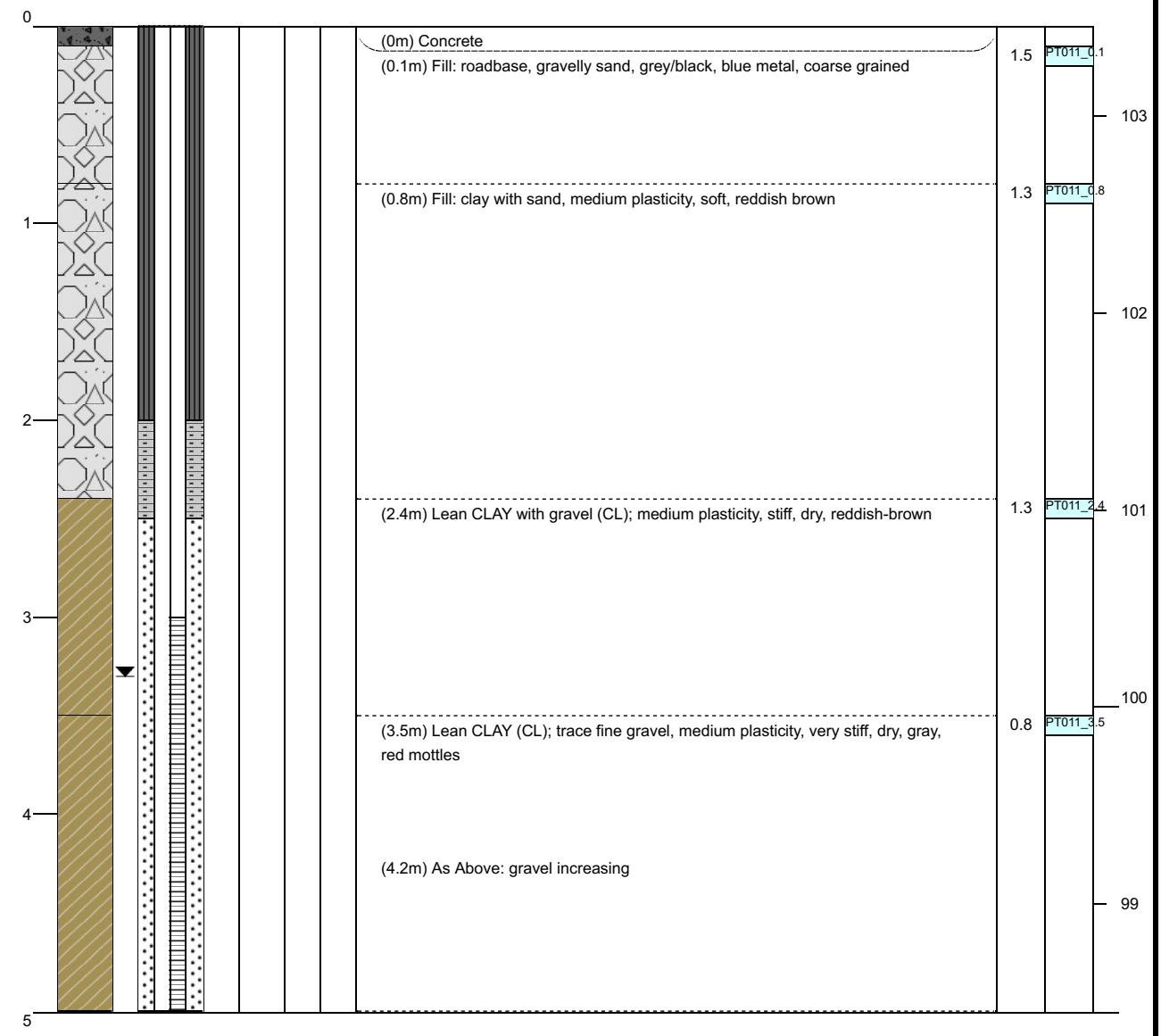
Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.8**	Well Depth (m):	**13.8; 6.0**
Drilling End Date:	**06/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**104.12**	Seal Material(s):	**Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.80516, 151.179538**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(7.8m) As Above: weathered siltstone/clay stone, lenses higher clay, lenses with higher gravel			94
11								(11m) As Above: moist, soft, moderate plastic	1.5	PT009_11.2	93
								(11.4m) Lean CLAY (CL); few fine-coarse gravel, medium plasticity, stiff, dark reddish, grey mottles, claystone	1.8	PT009_11.8	
								(11.6m) Lean CLAY (CL); medium plasticity, very stiff, dry, gray			
12		▽						(12m) Lean CLAY (CL); trace silt, medium plasticity, soft, moist, reddish-brown, gray mottles			92
								(12.4m) As Above: moist, soft, moderate plastic	1.6	PT009_12.4	
13								(12.8m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, gray, red mottles, claystone			91
								(13.6m) Lean CLAY (CL); medium plasticity, very stiff, dry, gray	1.7	PT009_13.6	
14								(13.8m) Boring terminated			90
15											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client:	Sydney Metro	WELL LOG	
	Project:	Chatswood Data Gap Investigation	Well No.	SRT-PT011/MW011
	Address:	Corner Pacific Highway and Mowbray Road, Chatswood	Page:	1 of 3

Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.5**	Well Depth (m):	**13.5; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.3**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.46**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804871, 151.179588**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig. Boring ceased at 5.5mBGL on 06/06/2020. Recommenced on 07/06/2020

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT011/MW011
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 3

Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.5**	Well Depth (m):	**13.5; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.3**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.46**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804871, 151.179588**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(5m) Lean CLAY (CL); medium plasticity, stiff, gray	1.2	PT011_5.0	
								(5.1m) As Above: moist to wet	1.4	PT011_5.1	98
								(5.8m) As Above: orange mottles	1.2	PT011_5.8	
6								(6m) Lean CLAY with sand (CL); trace fine-coarse gravel, medium plasticity, medium stiff, gray, orange and red molten			97
7											96
									1.1	PT013_7.5	
8								(8m) As Above: becoming stiffer			95
9											94
									0.9	PT013_9.7	
10											

NOTES: Hole precleared by Nation Partners using post hole dig. Boring ceased at 5.5mBGL on 06/06/2020. Recommenced on 07/06/2020

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT011/MW011
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 3

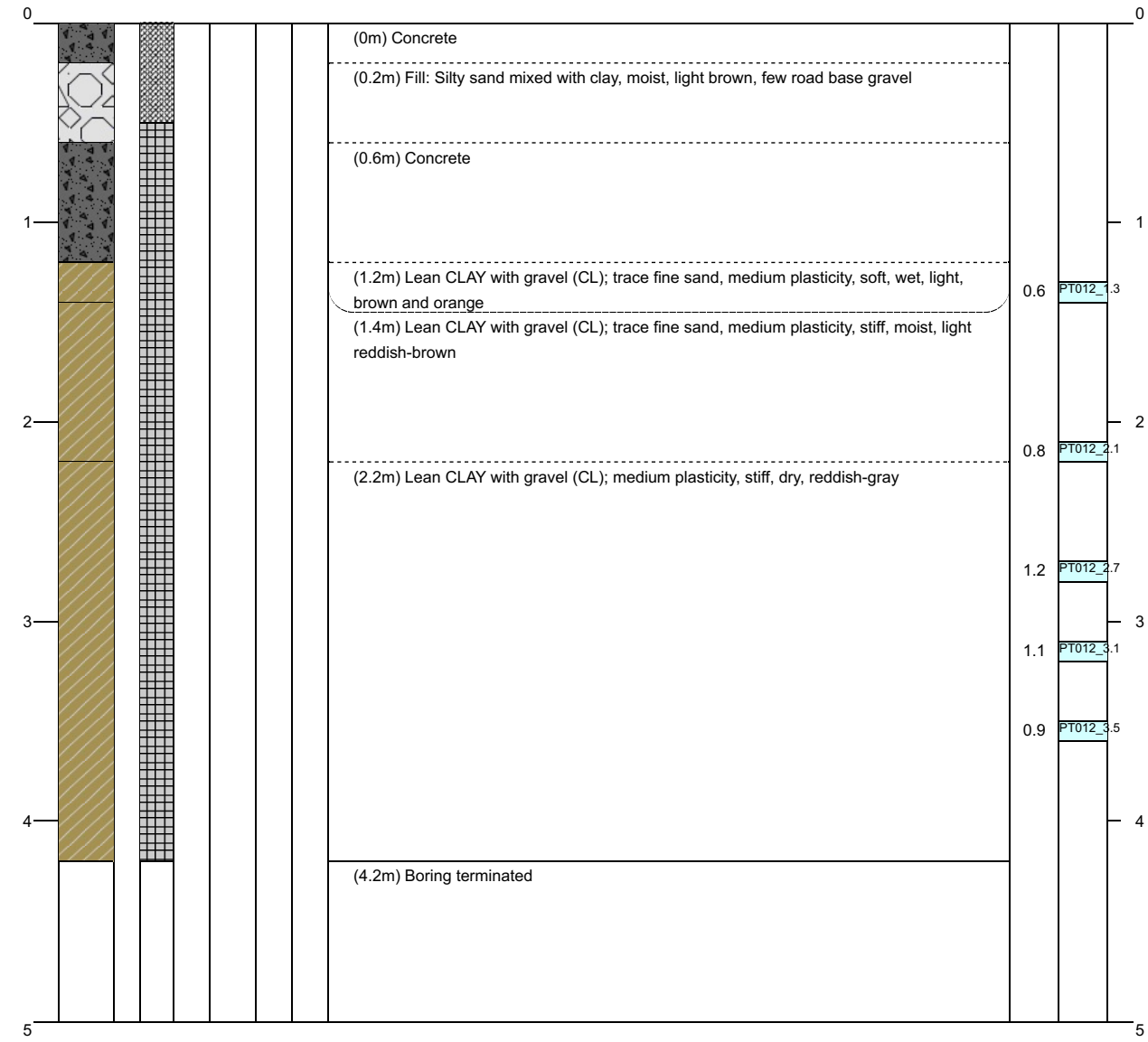
Drilling Start Date:	**06/06/2020**	Boring Depth (m):	**13.5**	Well Depth (m):	**13.5; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.3**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.46**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804871, 151.179588**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(8m) As Above: becoming stiffer			93
								(10.7m) Lean CLAY (CL); few silt, medium plasticity, soft, gray, red mottles	1.3	PT011_10.8	
11								(11.4m) Lean CLAY (CL); few fine-coarse gravel, medium plasticity, stiff, dry, gray, red mottles			92
								(11.6m) As Above: becoming more stiff	1.0	PT011_11.6	
12		▽						(12m) Lean CLAY (CL); trace silt, medium plasticity, soft, moist, reddish-gray	1.2	PT011_12.0	
								(12.5m) As Above: becoming more gray & stiff	1.0	PT011_12.6	91
13								(12.8m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, gray			
									1.1	PT011_13.5	90
14								(13.5m) Boring terminated			89
15											

NOTES: Hole precleared by Nation Partners using post hole dig. Boring ceased at 5.5mBGL on 06/06/2020. Recommenced on 07/06/2020

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT012
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

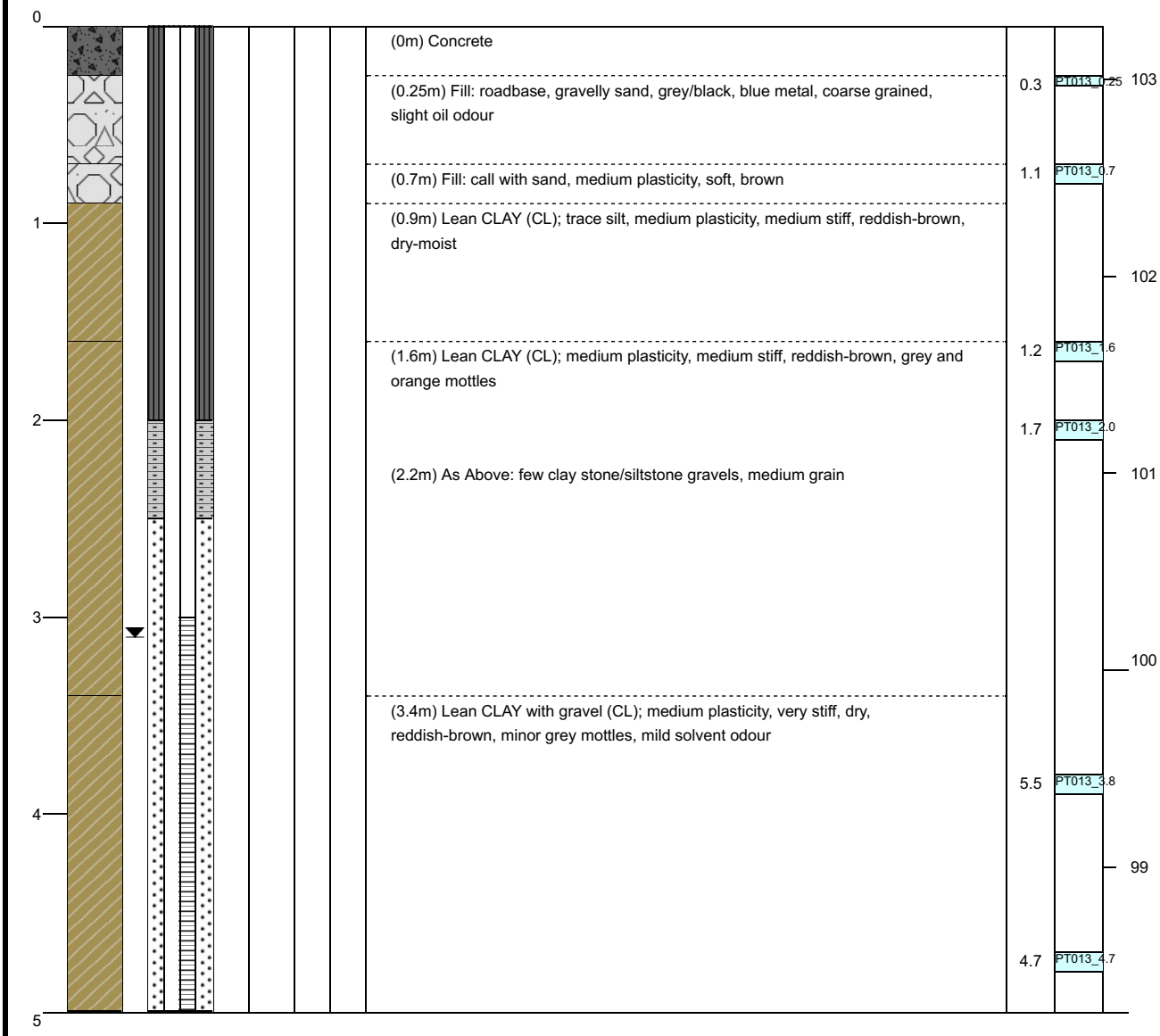
Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	**Client:** Sydney Metro	**WELL LOG**	
	Project: Chatswood Data Gap Investigation	**Well No.**	SRT-PT013/MW013
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	**Page:**	1 of 3

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**14.8**	Well Depth (m):	**14.8; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.5**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.1**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Liam Gooley**	Location (Lat, Long):	**33.804506, 151.179553**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT013/MW013
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 3

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**14.8**	Well Depth (m):	**14.8; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.5**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.1**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Liam Gooley**	Location (Lat, Long):	**33.804506, 151.179553**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(3.4m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, reddish-brown, minor grey mottles, mild solvent odour			98
								(5.5m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, reddish-brown, grey mottles, mild solvent odour	6.1	PT013_6.0	97
6											
7								(7m) As Above: gravel increasing, becoming low plastic			96
									1.8	PT013_7.6	
8								(7.8m) As Above: weathered siltstone/clay stone, lenses higher clay, lenses with higher gravel			95
9											94
									2.5	PT013_9.5	
10											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT013/MW013
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 3

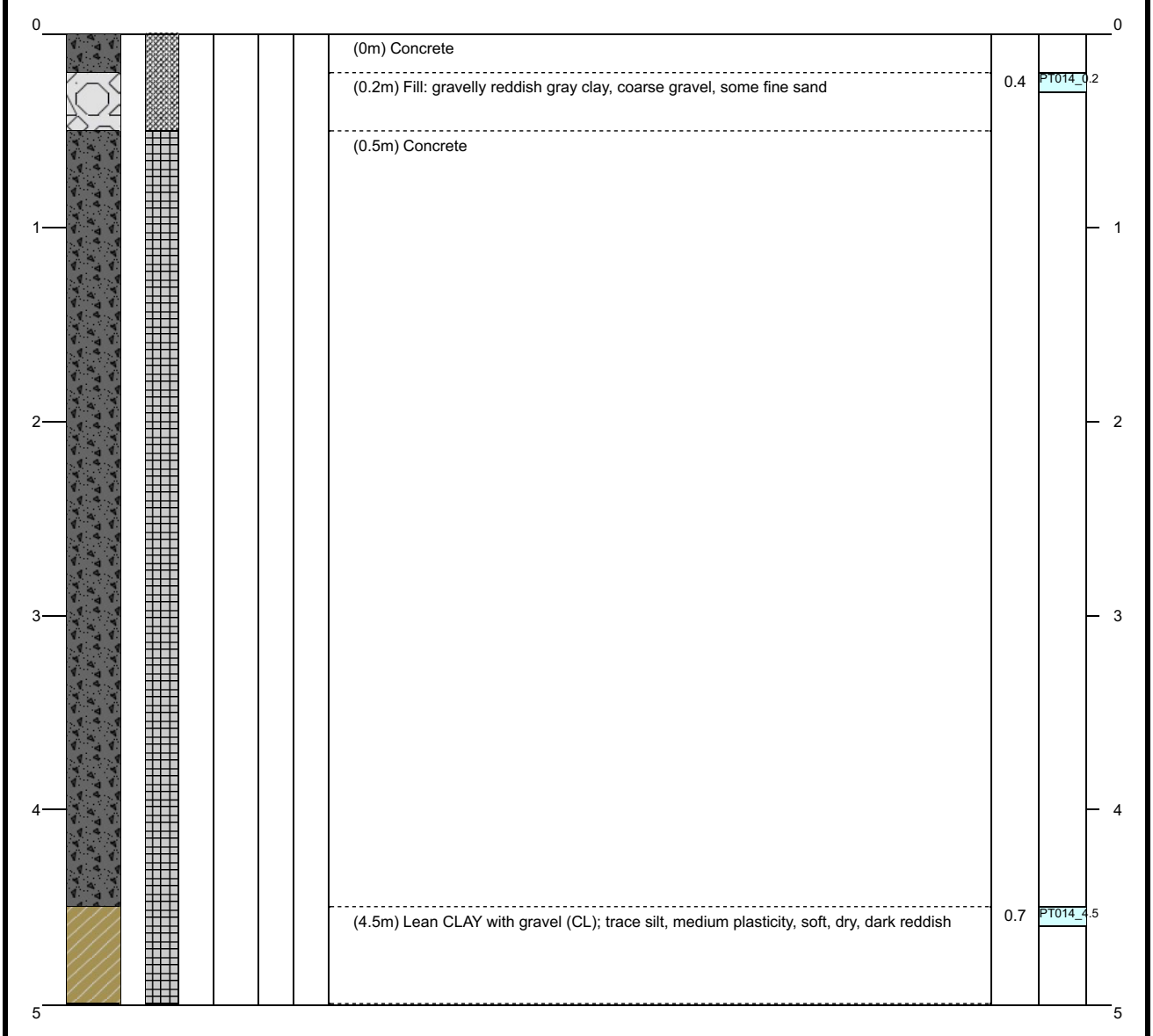
Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**14.8**	Well Depth (m):	**14.8; 6.0**
Drilling End Date:	**07/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.5**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.1**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.27**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Liam Gooley**	Location (Lat, Long):	**33.804506, 151.179553**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(7.8m) As Above: weathered siltstone/clay stone, lenses higher clay, lenses with higher gravel			93
11								(10.8m) As Above: moist, soft, moderate plastic	4.4	PT013_11.0	92
								(11.4m) As Above: becoming dry and very stiff	1.3	PT013_11.6	
12											91
								(12.4m) As Above: moist, soft, moderate plastic	22.4	PT013_12.4	
								(12.6m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, alternating grey & reddish brown claystone			
13		▽									90
								(13.5m) Lean CLAY with gravel (CL); medium plasticity, soft, moist, reddish-brown	2.3	PT013_13.6	
								(13.8m) Lean CLAY (CL); medium plasticity, very stiff, dry, gray			
14											89
								(14.3m) Lean CLAY with gravel (CL); medium plasticity, soft, moist, reddish-brown	3.2	PT013_14.4	
								(14.6m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, gray, red mottles	1.2	PT013_14.8	
15								(14.8m) Boring terminated			

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT014
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 2

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**6.0**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	



NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 6.0mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT014
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 2

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**6.0**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**N/A**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
5								(5m) Lean CLAY with gravel (CL); few silt, medium plasticity, stiff, dry, dark reddish, gray mottles	0.8	PT014_5.0	5
6								(6m) Boring terminated	0.9	PT014_6.0	6
7											7
8											8
9											9
10											10

NOTES: Hole precleared by Nation Partners using post hole dig. Terminated at 6.0mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT015
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

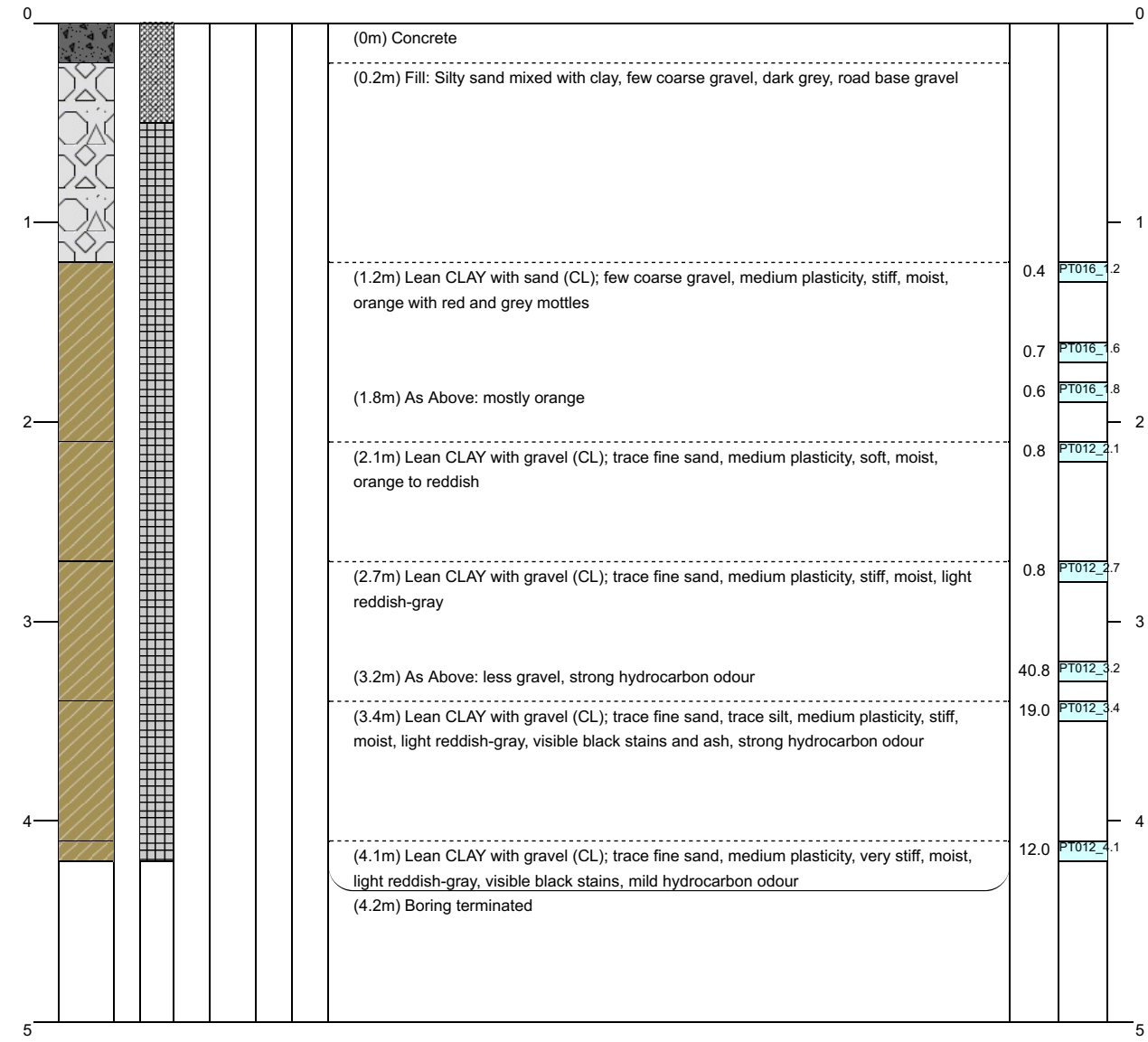
Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Alexandra Francis**	Location (Lat, Long):	

DEPTH (m)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.15m) Lean CLAY with gravel (CL); few fine gravel, few silt, mostly clay, medium plasticity, medium stiff, moist, light reddish-brown, grey mottles, becoming more red @ 0.45	0.9	PT015_0.15	
									1.1	PT015_0.35	
									1.3	PT015_0.45	
									1.4	PT015_0.6	
1								(0.9m) Lean CLAY (CL); trace fine gravel, some fine-medium sand, few silt, some clay, medium plasticity, soft, moist, dark brown, (dark brown silty/sandy clay)			1
								(1.5m) Lean CLAY (CL); trace fine gravel, few silt, mostly clay, medium plasticity, stiff, moist, light brown	0.9	PT020_1.5	
2											2
								(2.2m) Lean CLAY (CL); few fine-coarse gravel, trace fine-medium sand, trace silt, mostly clay, medium plasticity, stiff, dry, light reddish-brown, brown/red/grey mottles, reworked clay	0.8	PT020_2.2	
3											3
									0.9	PT020_3.4	
4								(3.8m) Lean CLAY (CL); mostly clay, medium plasticity, very stiff, moist, light gray, Natural clay			4
									1.0	PT020_4.2	
								(4.2m) Boring terminated			
5											5

NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT016
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT017/MW017**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

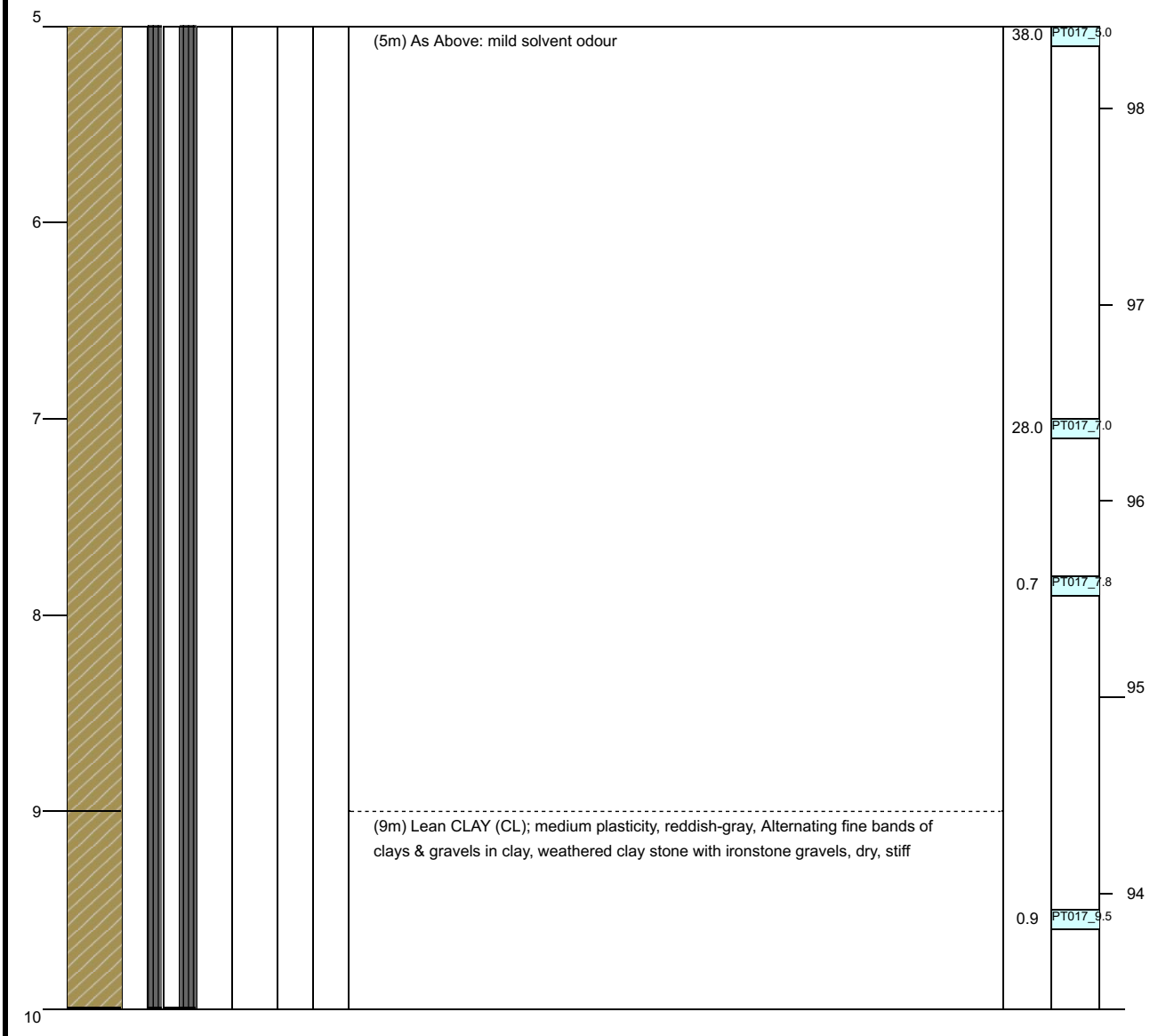
Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.7**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.42**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804362, 151.179826**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			103
								(0.7m) Asphalt			
								(0.8m) Concrete			
1								(1m) Fill: roadbase, coarse sand	0.6	PT017_1.0	
								(1.3m) Fill: medium plasticity, stiff, moist, reddish-brown			102
2											
								(2.4m) Fill: blue metal roadbase, brown clay	0.8	PT017_2.4	101
3								(3m) Lean CLAY (CL); medium plasticity, medium stiff, dry, orange brown	0.8	PT017_3.0	
									1.5	PT017_3.3	100
								(3.8m) Lean CLAY with sand (CL); trace fine-coarse gravel, medium plasticity, medium stiff, dry, orange brown, red mottles			
4								(4.2m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish, grey mottles			99
									1.8	PT017_4.5	
5											

NOTES: Hole precleared by Nation Partners using post hole dig. Left overnight at 5mBGL on 07/08/2020, minor collapse next morning.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT017/MW017
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 4

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.7**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.42**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804362, 151.179826**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig. Left overnight at 5mBGL on 07/08/2020, minor collapse next morning.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT017/MW017
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 4

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.7**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.42**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804362, 151.179826**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(9m) Lean CLAY (CL); medium plasticity, reddish-gray, Alternating fine bands of clays & gravels in clay, weathered clay stone with ironstone gravels, dry, stiff			93
11									0.8	PT017_11.0	92
12											91
13									0.6	PT017_13.2	90
14		▽						(14m) Lean CLAY (CL); few fine-coarse gravel, medium plasticity, soft, wet, reddish, , grey mottles	3.8	PT017_14.2	89
15								(14.5m) As Above: dry	1.3	PT017_15.0	

NOTES: Hole precleared by Nation Partners using post hole dig. Left overnight at 5mBGL on 07/08/2020, minor collapse next morning.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT017/MW017
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 4 of 4

Drilling Start Date:	**07/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.7**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.42**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804362, 151.179826**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared by Nation Partners using post hole dig. Left overnight at 5mBGL on 07/08/2020, minor collapse next morning.

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT018/MW018**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 3**

Drilling Start Date:	**08/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.1**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.16**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804205, 151.179714**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			103
								(0.3m) Fill: gravelly clay, dark grey, roadbase gravels	1.8	PT018_0.3	
								(0.7m) Asphalt			
								(0.8m) Concrete			
1								(1m) Fill: gravelly clay, grey brown, roadbase gravels			102
2											101
								(2.3m) Lean CLAY with sand (CL); medium plasticity, stiff, moist, orange brown	3.2	PT018_2.3	
								(2.8m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish-brown, grey mottles, ironstone gravels, mild solvent odour	5.0	PT018_2.8	
3											100
4								(4m) As Above: alternating fine bands of clay and fine ironstone gravels, stiff, dry, mild solvent odour	2.2	PT018_4.0	99
5											

NOTES: Hole precleared by Nation Partners using post hole dig. From approximately 12m, 0.5m runs at a time due high amount friction caused by dry and very stiff clay.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT018/MW018
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 3

Drilling Start Date:	**08/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.1**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.16**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804205, 151.179714**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(4m) As Above: alternating fine bands of clay and fine ironstone gravels, stiff, dry, mild solvent odour			98
6											97
									2.8	PT018_6.3	
7											96
8											95
									1.5	PT018_8.5	
9											94
10											

NOTES: Hole precleared by Nation Partners using post hole dig. From approximately 12m, 0.5m runs at a time due high amount friction caused by dry and very stiff clay.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT018/MW018
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 3

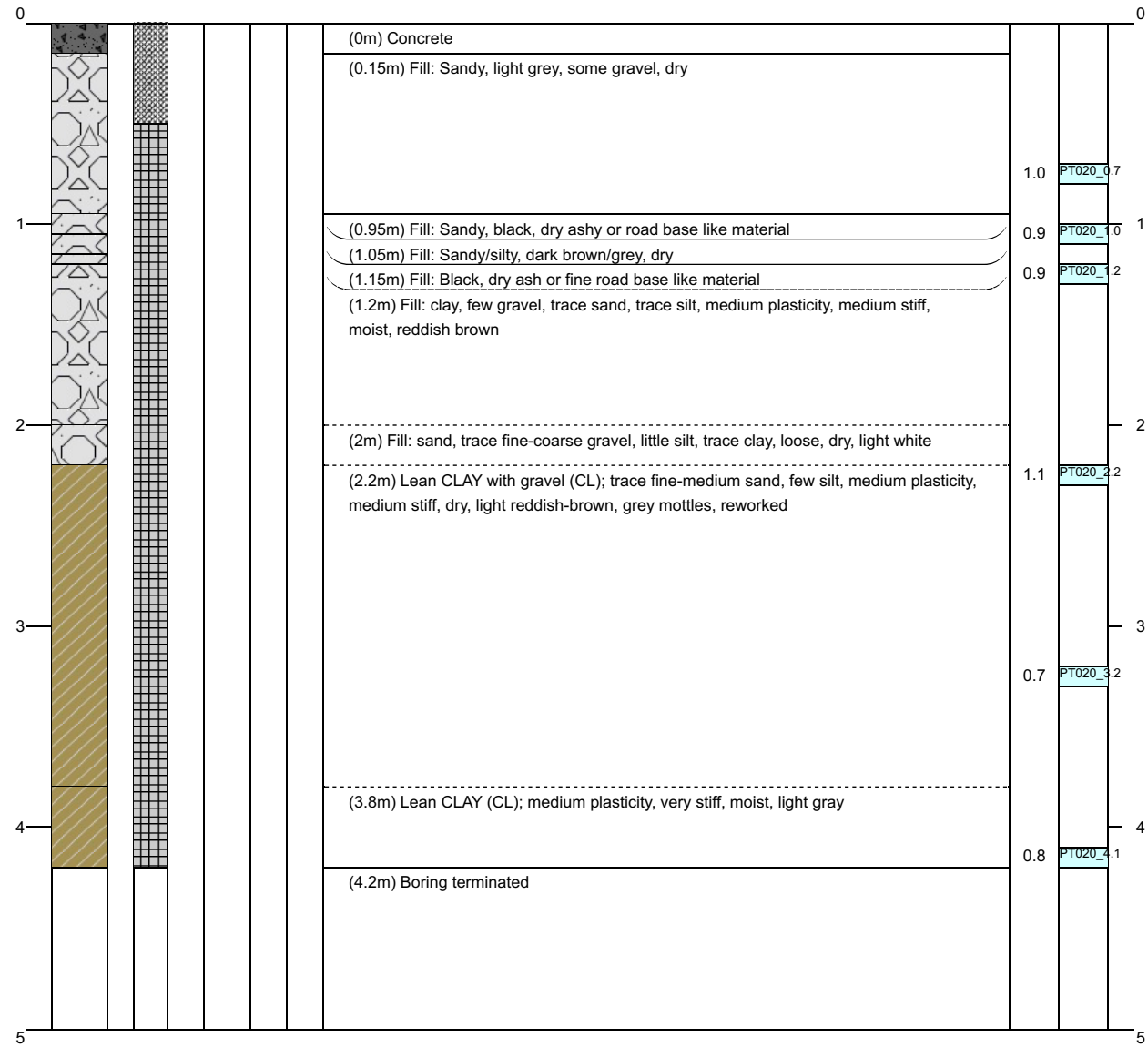
Drilling Start Date:	**08/06/2020**	Boring Depth (m):	**14.5**	Well Depth (m):	**14.5**
Drilling End Date:	**08/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.1**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**3.6**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.16**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804205, 151.179714**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(4m) As Above: alternating fine bands of clay and fine ironstone gravels, stiff, dry, mild solvent odour	3.6	PT018_10.4	93
11								(10.8m) Lean CLAY with gravel (CL); trace silt, medium plasticity, stiff, reddish-gray, grey mottles, dry-moist	4.1	PT018_11.2	92
								(11.4m) As Above: dry, stiff			
12		▽						(12.1m) As Above: moist, moderate plastic, soft	1.8	PT018_12.2	91
								(12.5m) Lean CLAY (CL); trace fine-coarse gravel, medium plasticity, stiff, dry, reddish-gray, grey mottles	1.9	PT018_12.5	
13											90
								(13.4m) As Above: becoming very dry, very stiff			
14											89
									0.9	PT018_14.5	
								(14.5m) Boring terminated			
15											

NOTES: Hole precleared by Nation Partners using post hole dig. From approximately 12m, 0.5m runs at a time due high amount friction caused by dry and very stiff clay.

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT020
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**20/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**20/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Alexandra Francis**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT022/MW022
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 4

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**17.5**	Well Depth (m):	**17.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**6.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**102.96**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803777, 151.180318**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			
								(0.6m) Fill: dark gray sandy gravel, roadbase			
1											102
2									1.5	PT022_2.0	101
								(2.6m) Fill: clay with lily, medium plasticity, medium stiff, dry, dark yellowish brown	0.9	PT022_2.6	
3											100
								(3.8m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, yellowish-gray	1.2	PT022_3.8	
4											99
5											98

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT022/MW022
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 4

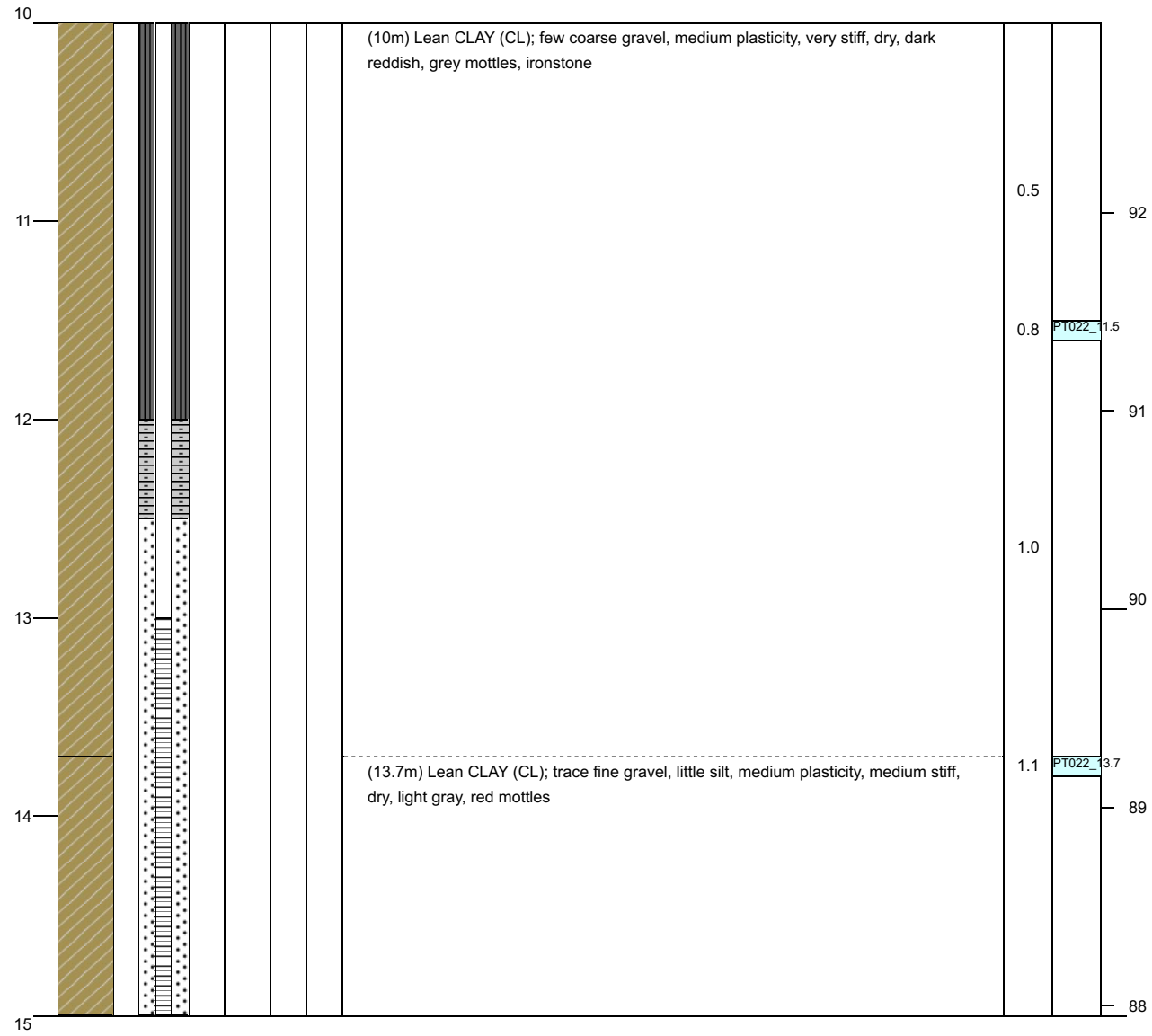
Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**17.5**	Well Depth (m):	**17.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**6.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**102.96**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803777, 151.180318**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(3.8m) Lean CLAY with gravel (CL); medium plasticity, medium stiff, dry, yellowish-gray	1.4	PT022_5.0	
6		▼									97
								(6.2m) As Above: coarse gravel, orange mottles, strong solvent odour	25.8	PT022_6.3	
								(6.7m) Lean CLAY (CL); trace fine gravel, medium plasticity, stiff, dry, light gray, red mottles, mild solvent odour	6.2	PT022_6.7	
7									2.1		96
								(7.8m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, minor red mottles			95
8									1.2	PT022_8.0	
9											94
								(9.1m) Lean CLAY with gravel (CL); medium plasticity, soft, moist, reddish, grey mottles	1.1	PT022_9.3	
								(9.5m) As Above: dry, stiff			
10									1.2		93

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT022/MW022
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 4

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**17.5**	Well Depth (m):	**17.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**6.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**102.96**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803777, 151.180318**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT022/MW022
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 4 of 4

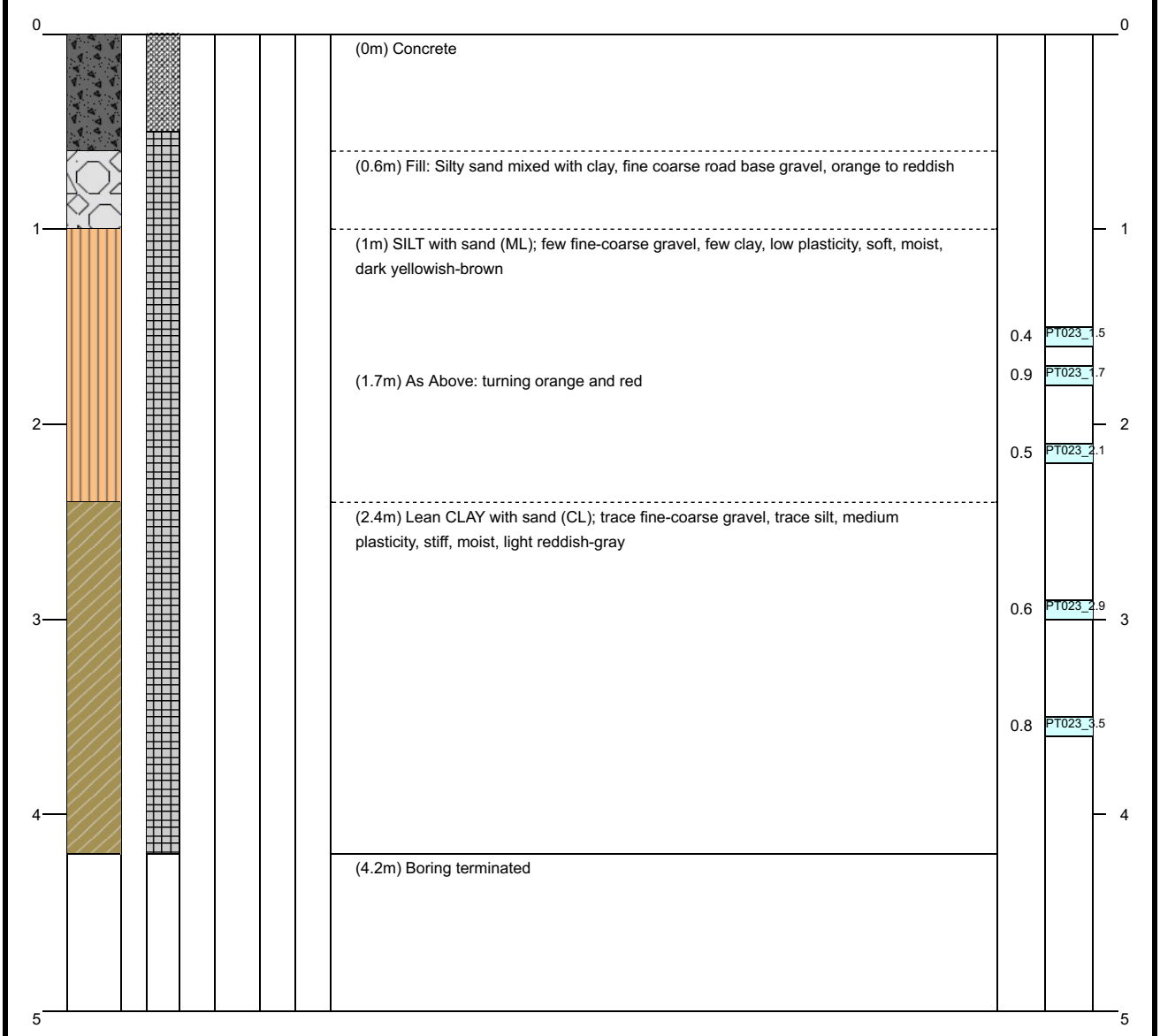
Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**17.5**	Well Depth (m):	**17.5**
Drilling End Date:	**14/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**6.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**102.96**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803777, 151.180318**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(13.7m) Lean CLAY (CL); trace fine gravel, little silt, medium plasticity, medium stiff, dry, light gray, red mottles			
								(15.2m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red and orange mottles	1.2	PT022_15.3	
16											87
								(16.3m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, light gray, red mottles	0.9	PT022_16.3	
								(16.7m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray			
17								(17m) As Above: red and orange mottles			86
									1.1	PT022_17.5	
								(17.5m) Boring terminated			
18											85
19											84
20											83

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	BORING LOG
	Project: Chatswood Data Gap Investigation	Boring No. SRT-PT023
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 1

Drilling Start Date:	**21/06/2020**	Boring Depth (m):	**4.2**
Drilling End Date:	**21/06/2020**	Boring Diameter (mm):	
Drilling Company:	**Terratest**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (m):	**N/A**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (m):	**N/A**
Driller:	**Matthew Warren**	Ground Surface Elev. (m):	
Logged By:	**Laura Martinez**	Location (Lat, Long):	



NOTES: Hole precleared by Terratest using hand auger. Terminated at 4.2mBGL in natural soil

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT024/MW024
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 4

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**13/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.9**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.08**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803528, 151.180418**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			103
1											102
								(1.6m) Fill: roadbase			
2									1.4	PT024_2.0	101
								(2.6m) Lean CLAY (CL); few silt, medium plasticity, soft, moist, reddish-brown	1.8	PT024_2.6	
3											100
4											99
								(4.4m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish-brown, grey mottles,	1.1	PT024_4.5	
5											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT024/MW024
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 4

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**13/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.9**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.08**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803528, 151.180418**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(4.4m) Lean CLAY with gravel (CL); medium plasticity, stiff, dry, reddish-brown, grey mottles,			98
6									1.1	SRT-PT024_6.0	97
7								(7m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red and orange mottles			96
8									1.1	PT024_8.0	95
								(8.2m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, light gray, red mottles, 10-12mm ironstone	1.3	PT024_8.2	
9								(9m) Lean CLAY (CL); trace silt, medium plasticity, soft, moist, reddish, grey mottles	0.5	PT024_9.0	94
								(9.3m) As Above: dry	0.7	PT024_9.3	
10											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT024/MW024
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 4

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**13/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.9**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.08**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803528, 151.180418**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(9.3m) As Above: dry			93
								(10.2m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red mottles			
11											92
								(11.2m) Lean CLAY with gravel (CL); medium plasticity, very stiff, dry, dark reddish, grey mottles	0.5	PT024_11.2	
								(11.7m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray			
12											91
								(12.3m) As Above: with red mottles			
13											90
								(13.2m) Lean CLAY with gravel (CL); medium plasticity, soft, wet, reddish-gray, gray mottles	0.4	PT024_13.2	
								(13.8m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray, red mottles	0.6	PT024_13.8	
14											89
								(14.4m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray	0.8	PT024_14.4	
15									0.5	PT024_15.0	

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT024/MW024
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 4 of 4

Drilling Start Date:	**13/06/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**13/06/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.9**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.08**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.803528, 151.180418**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared by Nation Partners using post hole dig.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT025/MW025
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 4

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**7.5**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.71**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Laura Martinez**	Location (Lat, Long):	**33.804199, 151.180427**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			
								(0.2m) Fill: clay with gravel and sand, grey with red mottles, medium sized gravel, brittle, dry	0.3	PT025_0.2	
											103
1								(0.9m) Concrete			
								(1m) Fill: Sandy lean CLAY (CL) with gravel; little coarse gravel, some fine sand, little silt, little clay, medium plasticity, soft, dry, light brown	0.3	PT025_1.0	
									0.3	PT025_1.2	
											102
2											
									0.7	PT025_2.5	
											101
3								(3m) Lean CLAY with gravel (CL); some coarse gravel, some fine sand, little silt, some clay, medium plasticity, stiff, dry, light reddish-gray	0.6	PT025_3.1	
								(3.2m) Lean CLAY (CL); trace fine gravel, trace fine sand, trace silt, mostly clay, medium plasticity, medium stiff, dry, dark reddish-gray			
											100
4								(4m) Lean CLAY with gravel (CL); trace fine gravel, trace fine sand, trace silt, mostly clay, medium plasticity, stiff, dry, dark reddish-gray	0.8	PT025_4.0	
											99
5											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT025/MW025
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 4

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**7.5**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.71**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Laura Martinez**	Location (Lat, Long):	**33.804199, 151.180427**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(5m) As Above	0.6	PT025_5.0	
											98
6								(6m) As Above			
											97
7								(7m) Lean CLAY (CL); mostly clay, medium plasticity, medium stiff, dry, light gray, traces of red	0.3	PT025_7.3	
								(7.5m) Lean CLAY (CL); trace fine sand, trace silt, mostly clay, medium plasticity, medium stiff, moist, dark reddish-gray			96
8								(8m) As Above	0.4	PT025_8.5	
											95
9								(9m) As Above	0.6	PT025_9.4	
											94
10											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT025/MW025
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 4

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**7.5**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.71**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Laura Martinez**	Location (Lat, Long):	**33.804199, 151.180427**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(10m) Lean CLAY (CL); trace fine gravel, some silt, mostly clay, medium plasticity, medium stiff, dry, dark reddish-gray			
								(10.5m) Lean CLAY (CL); trace silt, mostly clay, medium plasticity, soft, moist, dark reddish-gray	0.9	PT025_10.8	93
11								(11m) As Above			
								(11.8m) Lean CLAY with sand (CL); trace coarse gravel, trace fine sand, mostly clay, medium plasticity, medium stiff, moist, light gray	0.8	PT025_11.7	92
12		▽							0.5	PT025_12.1	
								(12.7m) Lean CLAY with sand (CL); few fine-coarse gravel, few fine-medium sand, little silt, little clay, medium plasticity, soft, moist, dark reddish-gray	0.5	PT025_12.7 PT025_12.8	91
13											
											90
14								(14m) Sandy lean CLAY (CL); few fine-coarse gravel, little fine-medium sand, some silt, some clay, medium plasticity, soft, dry, light gray	0.3	PT025_14.3	
											89
15									0.5	PT025_14.8	

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT025/MW025
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 4 of 4

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**12.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**7.5**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.71**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Laura Martinez**	Location (Lat, Long):	**33.804199, 151.180427**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger.

nation partners	Client:	Sydney Metro	WELL LOG	
	Project:	Chatswood Data Gap Investigation	Well No.	SRT-PT026/MW026
	Address:	Corner Pacific Highway and Mowbray Road, Chatswood	Page:	1 of 4

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**4.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.49**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804901, 151.179475**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			
								(0.15m) Fill: gravelly sand, yellowish grey, moderate to large gravel	0.2	PT026_0.15	
								(0.2m) Fill: gravelly clay, dark brown with black mottles, some sand, moderate to large gravels, medium plasticity, slightly moist	0.1	PT026_0.2	
								(0.4m) Fill: silty clay, with fine gravel, dark orange, few fine sand, low plasticity, slightly moist	0.3	PT026_0.4	103
1									0.8	PT026_0.9	
											102
2									0.5	PT026_2.1	
									0.3	PT026_2.5	101
3								(3m) Lean CLAY (CL); trace fine gravel, trace fine sand, little silt, some clay, medium plasticity, soft, moist, light reddish-brown			
									0.8	PT026_3.5	100
4		▼									
								(4.4m) Lean CLAY (CL); trace silt, mostly clay, medium plasticity, very stiff, moist, light gray, traces of red	1.2	PT026_4.4	99
5											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger. Ceased at 0.4m on 19/09/2020

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT026/MW026
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 4

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**4.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.49**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804901, 151.179475**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(4.4m) Lean CLAY (CL); trace silt, mostly clay, medium plasticity, very stiff, moist, light gray, traces of red			
								(5.3m) As Above: turning more red	0.6	PT025_5.3	98
6											97
7								(7m) Lean CLAY (CL); trace silt, mostly clay, medium plasticity, very stiff, moist, dark reddish-gray	1.2	PT026_7.0	96
8								(8m) As Above: more gray	1.4	PT026_8.0	95
9											94
10											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger. Ceased at 0.4m on 19/09/2020

nation partners	Client:	Sydney Metro	WELL LOG	
	Project:	Chatswood Data Gap Investigation	Well No.	SRT-PT026/MW026
	Address:	Corner Pacific Highway and Mowbray Road, Chatswood	Page:	3 of 4

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**4.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.49**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804901, 151.179475**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
10								(10m) Lean CLAY (CL); little silt, mostly clay, medium plasticity, medium stiff, moist, dark reddish-gray	0.6	PT026_10.0	93
									0.7	PT026_10.6	
11								(11.5m) As Above: less gray visible	0.3	PT026_11.5	92
12								(12.1m) Lean CLAY (CL); trace fine gravel, little silt, mostly clay, medium plasticity, stiff, wet, dark reddish, with gray traces	0.6	PT026_12.1	91
13		▽						(12.9m) As Above: slightly moist	1.1	PT026_12.9	
								(13.5m) Lean CLAY (CL); trace fine gravel, trace silt, mostly clay, medium plasticity, stiff, wet, dark reddish	1.4	PT026_13.5	90
14								(14.1m) Lean CLAY (CL); trace fine gravel, some silt, mostly clay, medium plasticity, very stiff, dry, dark reddish	1.2	PT026_14.1	89
15											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger. Ceased at 0.4m on 19/09/2020

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT026/MW026
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 4 of 4

Drilling Start Date:	**27/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**27/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**4.0**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.49**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804901, 151.179475**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared on 27/09/2020 by Nation Partners using hand auger. Ceased at 0.4m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT027/MW027**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **1 of 4**

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.32**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804015, 151.179434**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
0								(0m) Concrete			
								(0.2m) Fill: clay with gravel and sand, grey with red mottles, medium sized gravel, brittle, dry	0.2	PT027_0.25	103
								(0.7m) Concrete			
1								(0.9m) Fill: clay with fine gravel, some silt, medium plasticity, moist, light grey	0.6	PT027_0.9	
								(1.1m) Fill: gravelly sand, dark grey, coarse sand and gravel, dry	0.7	PT027_1.1	
								(1.2m) Lean CLAY (CL); trace fine-coarse gravel, trace silt, medium plasticity, soft, dry, light gray, red mottles, reworked natural	0.9	PT027_1.2	102
2								(1.7m) No Recovery			
								(2.2m) Lean CLAY with gravel (CL); trace silt, medium plasticity, stiff, moist, light yellowish-brown, black mottles, reworked natural	0.5	PT028_2.3	101
3								(2.8m) Lean CLAY (CL); trace fine gravel, few silt, medium plasticity, soft, dry, light yellowish-brown, red mottles	0.8	PT028_2.8	100
								(3.4m) Lean CLAY with gravel (CL); trace silt, medium plasticity, medium stiff, dry, light gray, red and orange mottles	1.9	PT027_3.5	
4								(4.1m) Lean CLAY with gravel (CL); trace silt, medium plasticity, soft, moist, light gray, red and orange mottles	1.2	PT027_4.2	99
								(4.4m) As Above: becoming dry	1.1	PT027_4.8	
5											

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger. Ceased at 0.7m on 19/09/2020

nation partners	**Client:**	**Sydney Metro**	**WELL LOG**
	Project:	**Chatswood Data Gap Investigation**	**Well No.** **SRT-PT027/MW027**
	Address:	**Corner Pacific Highway and Mowbray Road, Chatswood**	**Page:** **2 of 4**

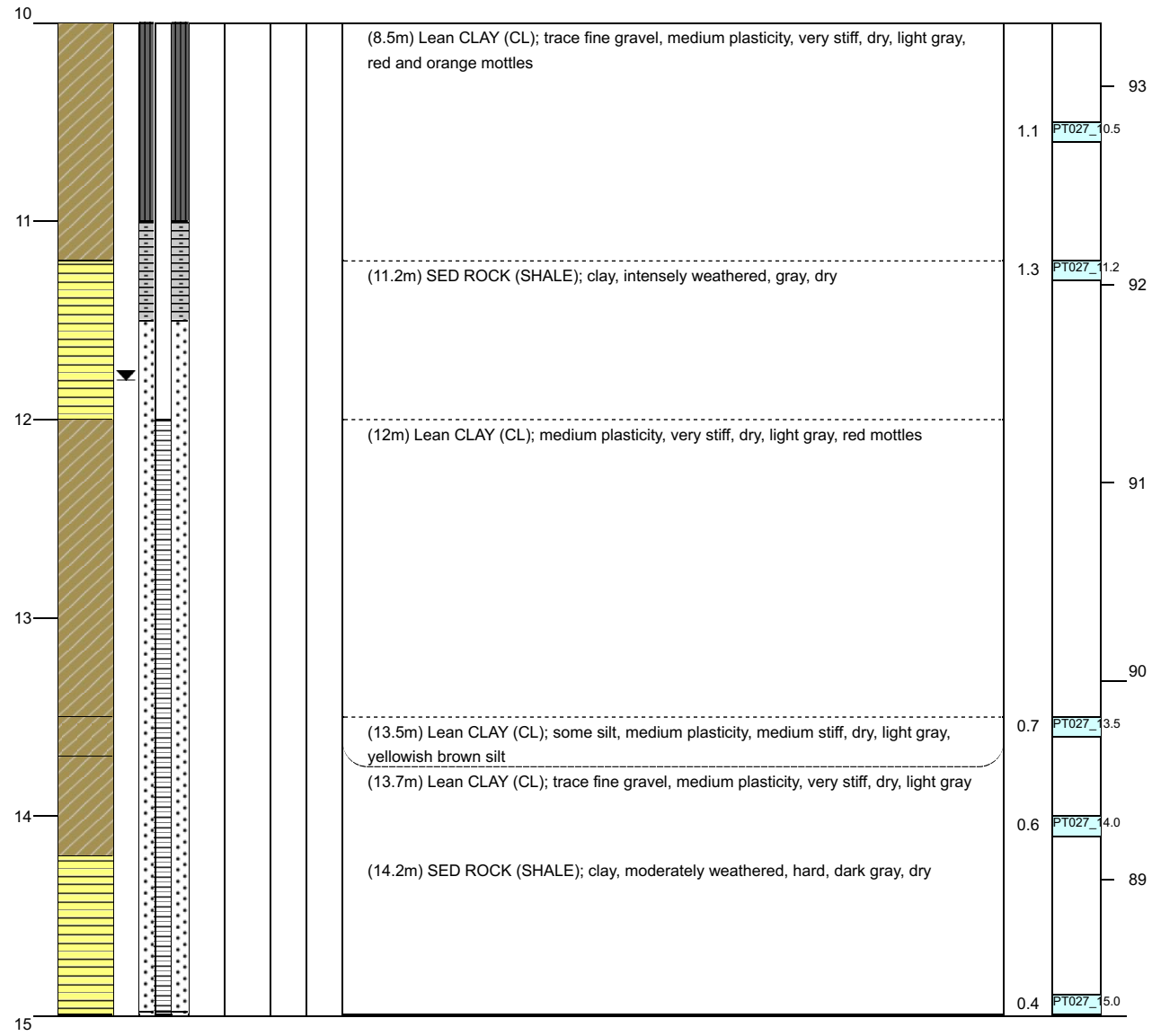
Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.32**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804015, 151.179434**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
5								(4.8m) Lean CLAY with gravel (CL); trace silt, medium plasticity, medium stiff, dry, light gray, red and orange mottles			98
6											97
									1.3	PT027_6.5	
7								(7m) Lean CLAY (CL); trace fine gravel, medium plasticity, very stiff, dry, light gray			96
								(7.7m) As Above: with red and orange mottles			
8											95
								(8.5m) Lean CLAY (CL); trace fine gravel, medium plasticity, very stiff, dry, light gray, red and orange mottles	1.2	PT027_8.5	
9											94
10											

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger. Ceased at 0.7m on 19/09/2020

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT027/MW027
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 3 of 4

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.32**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804015, 151.179434**	Filter Type:	**2mm graded sand**



NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger. Ceased at 0.7m on 19/09/2020

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT027/MW027
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 4 of 4

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**N/A**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**11.8**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):	**103.32**	Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):	**33.804015, 151.179434**	Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	ELEVATION (m)
15								(15m) Boring terminated			88
16											87
17											86
18											85
19											84
20											

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger. Ceased at 0.7m on 19/09/2020

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT028/MW028
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 1 of 4

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**8.51**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):		Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):		Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
0								(0m) Concrete			0
								(0.25m) Fill: clay with gravel and sand, grey with red mottles, medium sized gravel, brittle, dry	0.3	PT028_0.25	
								(0.5m) Fill: gravelly sand, dark grey, moist	0.4	PT026_0.5	
								(0.55m) Concrete			
1											1
2											2
								(2.7m) Fill: Sandy clay, black	0.6	PT028_2.7	
3								(2.9m) Lean CLAY (CL); trace fine gravel, medium plasticity, stiff, dry, light brown, red mottles	0.3	PT028_2.9	3
								(3.5m) Lean CLAY with sand (CL); trace fine gravel, medium plasticity, stiff, dry, light gray, red mottles	0.6	PT028_3.5	
4								(4m) Lean CLAY (CL); few fine-coarse gravel, few silt, medium plasticity, stiff, dry, dark reddish, grey mottles	1.2	PT028_4.0	4
									7.4	PT028_4.9	
5											5

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT028/MW028
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 2 of 4

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**8.51**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):		Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):		Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
5								(4.8m) Fat CLAY with gravel (CH); trace fine sand, high plasticity, soft, dry, light gray, black and red mottles, slight solvent odour	6.2		5
								(5.5m) Lean CLAY with gravel (CL); few fine-coarse gravel, medium plasticity, very stiff, dry, light gray, red mottles	1.1	PT028_5.5	
6								(6.3m) Lean CLAY (CL); few fine-coarse gravel, little silt, medium plasticity, stiff, dry, light gray, red mottles	0.7	PT028_6.6	6
7								(6.9m) Lean CLAY (CL); trace fine-coarse gravel, trace silt, medium plasticity, very stiff, dry, light gray, red and orange mottles			7
8								(8m) Lean CLAY (CL); trace fine gravel, trace silt, medium plasticity, very stiff, dry, light gray, red mottles	0.7	PT028_8.5	8
9									1.1		9
								(9.6m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray	0.8		
10											10

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger.

nation partners	Client:	Sydney Metro	WELL LOG	
	Project:	Chatswood Data Gap Investigation	Well No.	SRT-PT028/MW028
	Address:	Corner Pacific Highway and Mowbray Road, Chatswood	Page:	3 of 4

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**8.51**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):		Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):		Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
10								(9.6m) Lean CLAY (CL); medium plasticity, very stiff, dry, light gray			10
								(10.4m) As Above: red and orange mottles	0.9	PT028_10.5	
11											11
								(11.7m) Lean CLAY (CL); trace silt, medium plasticity, very stiff, dry, dark gray, red mottles			
12									1.2	PT028_12.0	12
13									0.9		13
								(13.5m) SED ROCK (SHALE); clay, thinly bedded, intensely weathered, soft, dark gray, dry			
14									1.2	PT028_14.0	14
								(14.2m) Lean CLAY (CL); trace fine gravel, trace silt, medium plasticity, soft, moist, dark gray, red mottles	1.3	PT028_14.2	
								(14.4m) SED ROCK (SHALE); clay, moderately weathered, moderately hard, dark gray, dry			
15									1.1	PT028_15.0	15

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger.

nation partners	Client: Sydney Metro	WELL LOG
	Project: Chatswood Data Gap Investigation	Well No. SRT-PT028/MW028
	Address: Corner Pacific Highway and Mowbray Road, Chatswood	Page: 4 of 4

Drilling Start Date:	**20/09/2020**	Boring Depth (m):	**15.0**	Well Depth (m):	**15.0**
Drilling End Date:	**20/09/2020**	Boring Diameter (mm):		Well Diameter (mm)	**50.0**
Drilling Company:	**Terratest**	Sampling Method(s):		Screen Slot (mm):	**0.040**
Drilling Method:	**Sonic**	DTW During Drilling (m):	**14.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Comacchio GEO 450P Sonic**	DTW After Drilling (m):	**8.51**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Kris Browne**	Ground Surface Elev. (m):		Seal Material(s):	**Bent.-Cement Grout/Bent. Pellets**
Logged By:	**Pascal Nicolas**	Location (Lat, Long):		Filter Type:	**2mm graded sand**

DEPTH (m)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (m)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (m)
15								(15m) Boring terminated			15
16											16
17											17
18											18
19											19
20											20

NOTES: Hole precleared on 19/09/2020 by Nation Partners using hand auger.

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BORING AND WELL LOG LEGEND

LITHOLOGY	WATER LEVEL	WELL/BORING COMPLETION	Sample Type	DESCRIPTION
				ASPHALT
				CONCRETE
				BEDROCK
				IGNEOUS Rock
				METAMORPHIC Rock
				SEDIMENTARY Rock
				Well-graded GRAVEL (GW)
				Poorly graded GRAVEL (GP)
				Silty GRAVEL (GM)
				Clayey GRAVEL (GC)
				Well-graded GRAVEL with silt (GW-GM)
				Poorly graded GRAVEL with silt (GP-GM)
				Well-graded GRAVEL with clay (GW-GC)
				Poorly graded GRAVEL with clay (GP-GC)
				Well-graded SAND (SW)
				Poorly graded SAND (SP)
				Silty SAND (SM)
				Clayey SAND (SC)
				Well-graded SAND with silt (SW-SM)
				Poorly graded SAND with silt (SP-SM)
				Well-graded SAND with clay (SW-SC)
				Poorly graded SAND with clay (SP-SC)
				SILT (ML)
				Lean CLAY (CL)
				Organic SOIL (OL)
				Elastic SILT (MH)
				Fat CLAY (CH)
				Organic SOIL (OH)
				Organic SOIL (OL/OH)
				PEAT (PT)
				Volume Descriptors:
				Trace = <5%
				Few = 5-10%
				Little = 15-25%
				Some = 30-45%
				Mostly = >=50%
	▽			Water Level During Drilling
	▼			Water Level at End of Drilling/in Completed Well
				Cap
				Riser
				Screen
				End Plug
				Annular Seal (Bentonite-Cement Grout, Bentonite Slurry/Chips/Pellets/Powder, Other)
				Sanitary Seal (Bentonite Slurry/Chips/Pellets/Powder, Other)
				Filter Pack (Sand, Gravel, Other)
				Backfill
			GR	Grab
			EN	Encore
			SS	Split Spoon
			SH	Shelby Tube
			CO	Core Barrel
			DP	Direct Push
			ID	Lab Sample and ID

NOTES:

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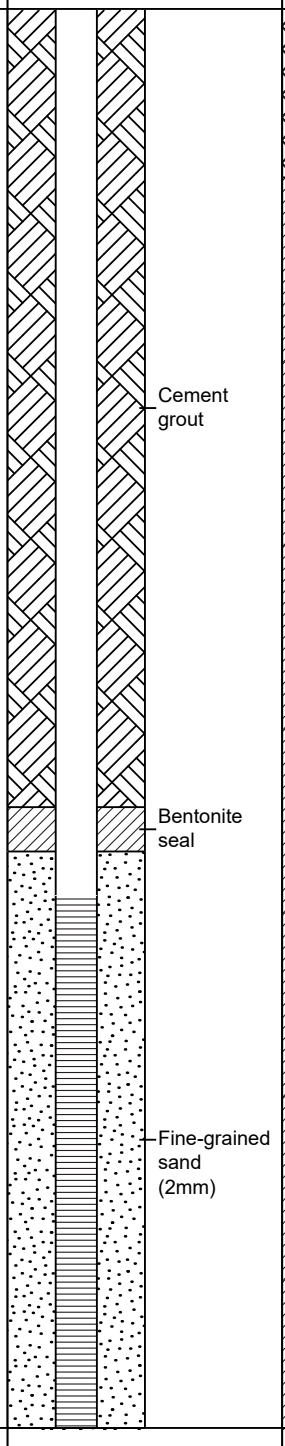
GROUNDWATER WELL MW029

PROJECT NUMBER NP23132
PROJECT NAME Chatswood Metro Validation
CLIENT Sydney Metro
ADDRESS Corner of Pacific Hwy & Mowbray Rd, Chatswood

DRILLING DATE 19/11/2024
TOTAL DEPTH 16m
DIAMETER 125mm
CASING 50mm PVC
SCREEN 0.5mm PVC

COORDINATES
SURFACE ELEVATION
WELL TOC
LOGGED BY Aidan Smith, Lauren Durnin
CHECKED BY Ryan Thomson

COMMENTS



Drilling Method	Depth (mBGL)	Water	Material Description	PID (ppm)	Contamination Observations
Push tube	0–1		FILL: Silty CLAY, with sands, grey, trace soft shale, trace gravel.	1.9	No odour or staining observed.
	1–4		NATURAL: CLAY, red/grey mottling, moist, medium plasticity decreasing at depth.	1010 597 26 7.4	Moderate to strong hydrocarbon odour, no staining observed.
Solid flight auger	4–8		NATURAL: CLAY, dry, red/purple becoming paler at depth, with weathered shale, medium plasticity.	14 87 120 7.5	Moderate to mild hydrocarbon odour, no staining observed.
	8–11		NATURAL: CLAY, with weathered shale, dry, dark grey/brown, medium plasticity.	9.4 4.5 9.5	No odour or staining observed.
	11–16			6.6 4.7 5.1 6.8	
	16		Well terminated at 16 mBGL.		

Disclaimer This bore log is intended for environmental not geotechnical purposes.

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Appendix E QA/QC Summary

Table E1: Sampling and Analysis Plan Methodology

Sampling Item	EPA Guidelines	NP DGI (April 2021)	NP PRI (July 2024)	NP VAL (December 2025)	Auditor Comment
Data Quality Objectives (DQOs)	"Data Quality Objectives: Outline of the DQO Process" in Schedule B2 of NEPM (2013).	The 7 step DQOs for Investigation, as summarised in Section 4.1 were designated as follows: • Step 1: Identify current and historical activities and sources that potential caused contamination, and provide description and characterisation of contamination at the site. Site investigations were aimed at addressing data gaps. • Step 2: The output of the investigation must be suitable to answer questions regarding media and contaminants of concern, including contamination on site, risks to human health or the environmental receptors. • Step 3: Inputs are previous environmental assessments and investigation data, field observations, laboratory data, assessment criteria, sampling and analysis methods. • Step 4: Spatial boundary was site boundary. Investigation boundary is the depth of sampling locations, between surface level and depth to a maximum depth of 17.5 mBGL. • Step 5: The decision rules have been developed based on the underlying project drivers and the corresponding objectives of the site investigation program. • Step 6: Performance or acceptance criteria of are based on documentation and data completeness, use NATA certified lab, QA/QC sample	The DQOs were developed and presented in the SAQP (Nation Partners, 2023), which should be referred to for details.	While formal DQOs were not provided for the validation report. NP present the following objectives: • Remove identified contamination sources by excavation and off-site disposal: the report demonstrates that contamination sources have been excavated and disposed of off-site so far as reasonably practicable. • Verify that materials have been removed in accordance with the RAP and RAP Addendum: the report demonstrates that materials have been appropriately removed and disposed of off-site • Demonstrate that material above the validation criteria has been removed, or provide baseline conditions at boundaries where further excavation is not possible: the report demonstrates that validation sampling indicates the site is suitable for a low-density residential land use, and where residual fill remains, documents the respective limitations	The Auditor considers the DQOs to be generally appropriate for the purposes of this SAR.

Sampling Item	EPA Guidelines	NP DGI (April 2021)	NP PRI (July 2024)	NP VAL (December 2025)	Auditor Comment
		collection and achieving corresponding criteria. • Step 7: Design for optimising data collection by meeting sampling and analysis plan in Section 7.			
Sampling Pattern Rationale	The EPA (2022) Sampling Design Part 1 (Section 5.2) provides details on judgmental, random, systematic and stratified sampling pattern.	Section 7 states that sampling and analysis program was defined in SAQP, which was updated prior to Stage 2 investigation (Nation Partners 2020b). Section 7.2.4 states that the location and depth of the groundwater wells were selected on a judgemental basis.	Section 7 states that sampling and analysis program undertaken by Nation Partners at the site was defined in the SAQP (Nation Partners, 2023).	Section 4 and 5 states that the validation sample collection was conducted by targeting the hotspots (Area A - Area F) was defined in the RAP (2021b) and RAP Addendum (2023).	The sampling pattern to be appropriate for the conceptual site model identified.
Sampling Density Rationale:	EPA (2022) Sampling Design	Areas with previously low sampling densities were targeted as detailed in Section 10.2. Section 7.2.4 states that the location and depth of the groundwater wells were selected on a judgemental basis. Section 9.3 states that PSV sampling conducted at Mowbray House was completed to a sufficient density.	Sampling density rational was not specified in the report however sampling was selected based on the objectives of addressing the data gaps identified.	Section 5.1.7 states floor validation samples were obtained at a rate of one per 100 m^2, wall validation samples were collected at a rate of one every 10 m for each metre of excavation depth.	The Auditor considers the sampling density rational to be appropriate for the purposes of this SAR, considering sampling densities were targeted based on data gaps.
Locations Shown on Site Plan:	The NSW EPA (2020a) Consultants Reporting on Contaminated Land – Contaminated Land Guidelines requires that sampling locations are shown on a site plan.	Locations are provided on figures in Section - Figures.	Locations are provided on figures in the report.	The location of validation floor and wall samples are provided in the validation report.	The locations are included on a plan.
Sampling Depths	The NSW EPA (2020a) Consultants Reporting on Contaminated Land – Contaminated Land Guidelines requires	Section 7.1.1 states the Stage 1 investigation depth for groundwater monitoring wells is to a maximum depth of 17.5 mBGL.	Section 6.2.3 states that advancement of test pits to approximately 2 mBGL or until refusal. Deviations from SAQP was noted in Section 6.4	Section 5.1.7 states floor validation samples were obtained at a rate of one per 100 m^2, wall validation samples were collected at a rate of	The sampling depths are appropriate for the contaminants of concern and the conceptual site model and objectives identified.

Sampling Item	EPA Guidelines	NP DGI (April 2021)	NP PRI (July 2024)	NP VAL (December 2025)	Auditor Comment
	information on the depths of samples that were collected. NEPM (2013) Schedule B2.	Section 7.1.1 states the Stage 1 advancement of 12 soil bores to a maximum depth of 6 mBGL. Section 7.1.2 states the Stage 2 investigation depth for groundwater monitoring wells is to a maximum depth of 15 mBGL. Deviations from SAQP was noted in Section 7.4 Geosyntec spot check the lab report, the soil sampling depth were recorded in sample names.	Groundwater sampling depths are described as “shallow” or “deep” in Section 6.1.3. Bore logs with well completions provided.	one every 10 m for each metre of excavation depth	
Selection of Samples for Analysis:	The NSW EPA (2020a) Consultants Reporting on Contaminated Land – Contaminated Land Guidelines. NEPM (2013) Schedule B2	Table 7.1 states the analytical schedule for Stage 1 investigation: Soil samples analysed for heavy metals; TRH; BTEX ; PAH; OCP/PCB; Asbestos; VOC; PFAS; TCLP Waste classification ; pH; CEC; fraction organic carbon (FOC) % clay; TRH silica gel clean up. Groundwater samples analysed for heavy metals; TRH; MAH; PAH; PCB; VCH; PFAS, and groundwater characterisation / attenuation suite, including major cations / anions ; Manganese; Nitrate; Ferrous Iron; Sulphate; Methane. Soil vapour samples for VOCs including TRH, BTEX and VCH.	Section 7.1 states that HIL, EIL, ML, Guidelines for the Assessment, Remediation and Management of Asbestos Contaminated Sites in Western Australia (WA DoH, 2009), NSW EPA (2014) Waste Classification Guidelines have been adopted for the purposes of this site’s soil investigation. Section 7.2 states that drinking water and freshwater groundwater investigation levels (GILs) derived from Table 1C of Schedule B(1) have been adopted for groundwater investigation.	Table A - Validation Results states soil samples analysed for heavy metals, BTEX, TRH, Asbestos, and PAH Groundwater samples analysed for BTEX and TRH.	The selection of samples for analysis was appropriate.
Sample Splitting Techniques and Statement of QA/QC Sample Frequencies	NEPM (2013) Schedule B3 EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme NSW EPA (2020a) Consultants Reporting on Contaminated Land	Appendix G1 - Table G1 states that a total of 12 blind soil duplicates and 7 split soil duplicates were analysed from a total of 128 primary soil samples. A total of 2 blind duplicate and 2 split duplicate groundwater samples were analysed from a total of 32 primary samples	For soil: Appendix E - Table 1 states that a total of 4 inter-laboratory duplicates and 5 intra-laboratory duplicates were analysed from a total of 32 primary samples. For groundwater: Appendix E - Table 1 states that a total of 2 inter-laboratory duplicates and 2 intra-laboratory duplicates were analysed from a total of 28 primary samples.	Section 7.1 states that the duplicate sample pairs were collected at a rate of 1 in 20 primary samples over the course of the remediation validation program. In total, 87 field duplicate samples were collected across the project (44 intra-laboratory duplicates and 43 inter-laboratory duplicates)	The sample splitting techniques meet the nominated guidelines. The QA/QC sampling frequencies for the investigations comply with NEPM (2013) requirements.

Sampling Item	EPA Guidelines	NP DGI (April 2021)	NP PRI (July 2024)	NP VAL (December 2025)	Auditor Comment
	– Contaminated Land Guidelines				
Analytical Methods:	EPA (2017) Contaminated Land Management Guidelines for the NSW Site Auditor Scheme	All NEPM, All four laboratories are NATA accredited for the analysis required.	All NEPM, laboratories are NATA accredited for the analysis required.	All NEPM, laboratories are NATA accredited for the analysis required.	The analytical methods to be appropriate for the contaminants identified.
Sample Container Selection:	NEPM (2013) Schedule B2 and B3	In Appendix F – Laboratory Certificates state that appropriate sample containers have been used, and sample containers for volatile analysis received with zero headspace. For asbestos: the samples received were not collected in an approved asbestos bag and was therefore sub-sampled from the 250mL glass jar.	In Appendix F – Laboratory Certificates state that appropriate sample containers have been used, and sample containers for volatile analysis received with zero headspace. No sample container / preservation non-compliance exists. Eurofins reference – 1069777 indicated that appropriate sample containers have not been used.	In Section 7.1 – Dedicated sample jars provided by the analytical laboratory were used.	The sample container selection is appropriate for the contaminants of concern. The Auditor accepts this minor non-conformance as it is unlikely to impact on the usability of the results or the conclusions of the assessment.
Sampling Devices / Techniques	NEPM (2013) Schedule B2 and B3 DEC (2007) Groundwater Guidelines	Section 7.2.3 states that soil sampling during mechanical drilling was achieved by utilising push tube and/or sonic drilling techniques. Section 7.2.6 states that HydraSleeves were adopted as the preferred method for collecting groundwater samples. Section 7.2.7 states that passive soil vapour sampling was conducted using Waterloo Membrane Samplers (WMS).	Section 6.2.3 states that soil sampling was achieved through mechanical excavation (excavator) of test pits. Section 6.2.3 states that low-flow minimum drawdown sampling was conducted for the collection of groundwater samples from across the site for Round 1. Single-use, disposable HydraSleeves were used during sample collection during Round 2.	The soil samples were collected as grab samples using disposable nitrile gloves. Groundwater samples collected via HydraSleeves	The sampling devices / techniques adopted are appropriate for the contaminants of concern and the conceptual site model identified.
Decontamination Procedures:	Australian Standard AS4482.1 – 2005 NEPM (2013) Schedule B2 and B3	Section 7.2.8 states that decontamination of re-usable sampling equipment, including hand augers and trowels, was undertaken between sampling locations. Decontamination was achieved by scrubbing equipment in a solution of Liquinox (PFAS-free detergent) and	Section 6.2.6 states that the decontamination of re-usable sampling equipment, including the interface probe and low flow pump, was undertaken between sampling locations. Decontamination was achieved by scrubbing equipment in a solution of Liquinox (PFAS-free	Decontamination procedures for soil sampling is not stated. However, Section 7.1 States no re-usable sampling equipment was not used.	Noting the deviances stated, the decontamination are considered appropriate.

Sampling Item	EPA Guidelines	NP DGI (April 2021)	NP PRI (July 2024)	NP VAL (December 2025)	Auditor Comment
		tap water, followed by rinsing with deionised water. Rinsate samples were collected to demonstrate decontamination.	detergent) and tap water, followed by rinsing with deionised water. Rinsate samples were collected to demonstrate decontamination.		
Sample Handling and Preservation Procedures:	NEPM (2013) Schedule B3 AS4482.1 and AS 4482.2	For soil samples, Section 7.2.3 states that samples were placed directly in laboratory-supplied jars, filled to reduce headspace, and transferred to an iced cooler for transport to the project laboratory, transported under Chain of Custody (CoC) documentation. For groundwater samples. Section 7.2.6 states that all water samples were collected in laboratory supplied sample bottles using disposable nitrile gloves, which were stored under ice in an esky for transport to the analytical laboratory. Samples were delivered to the analytical laboratory using standard CoC documentation.	Section 6.2.3 states that sample jars were labelled in accordance with the naming convention outlined in the SAQP, and transported under Chain of Custody (CoC) documentation. Section 6.2.5 states that groundwater samples were collected using dedicated sampling equipment to prevent cross contamination. Samples were collected in laboratory supplied sample bottles using disposable nitrile gloves. Samples collected for metals analysis were field filtered using a 0.45 micron (µm) filter.	Section 7.1 states samples were submitted to the analytical laboratory in dedicated sample jars provided by the analytical laboratory. Samples were labelled following the naming convention in the RAP and were submitted to the laboratory in ice-chilled insulated containers. Samples were logged and transferred to the analytical laboratory using standard CoC documentation.	The sampling and handling procedures are appropriate for the contaminants of concern and the conceptual site model identified.
Field Calibration and Screening Protocols	NEPM (2013) B2	Equipment calibration certificates were provided by suppliers of the rented PID and Interface Probe. Calibration Certificates are provided in Appendix H.	Appendix E states that equipment calibration certificates were provided by suppliers of the rented PID. Section 6.2.5 states that a calibrated water quality meter was used during groundwater sampling. However, no calibration certificates were found in this report.	Appendix M states that equipment calibration certificates were provided by suppliers of the rented gas monitor, interface meter and YSI.	Although there is absence of water quality meter calibration record (Nation Partners 2024), the field calibration and screening protocols are appropriate for the contaminants of concern and the conceptual site model identified.
Groundwater Monitoring Well Installation	NEPM (2013) Schedule B2 DEC (2007)	Section 7.2.4 provides the following well installation methodology: Wells were drilled to depth using a Sonic drill rig. Each well was constructed using 50 mm diameter uPVC casings and well screens. The annulus of each boreholes was filled with 2 mm graded drillers sand to 0.5 m above the top of the screen, then a	Groundwater wells were pre-existing wells.	NP installed a new groundwater monitoring well (MW029) in the northwest of the site. MW029 was drilled to 16 mbgl and screened between 10 and 16 m depth.	The method of construction are appropriate for the contaminants of concern and the conceptual site model identified.

Sampling Item	EPA Guidelines	NP DGI (April 2021)	NP PRI (July 2024)	NP VAL (December 2025)	Auditor Comment
		1 m bentonite seal. The well was then backfilled with drill cuttings and/or cement bentonite slurry. The top 0.5 m of the annulus was then sealed with cement bentonite slurry and finished with a lockable flush mounted gatic.			
Groundwater Monitoring Well Development & Sampling	NEPM (2013) Schedule B2 DEC (2007) AS5667.11 (1998)	Section 7.2.4 states wells were developed using a disposable bailer. Each well was bailed for a minimum of three well volumes or purged completely dry twice when there was insufficient water within the well. Section 7.2.6 states that HydraSleeves were adopted as the preferred method for collecting groundwater samples. Groundwater sampling was conducted a minimum of 7 days following the development of monitoring wells. Prior to installing a HydraSleeve, depth to water (DTW) measurements were recorded using an interface probe at each monitoring well. After installation of the HydraSleeve in each well, an appropriate equilibration time was allowed and DTW was again measured prior to retrieval of the sample.	Section 6.2.4 provides the details of groundwater well development: Depth to groundwater and presence of any (NAPL) recorded using interface probe. The wells were purged dry using a stainless-steel bailer. Section 6.4 states that low-flow groundwater sampling was undertaken using a MicroPurge pump for groundwater sampling Round 1a. For sampling Round 1b, both MicroPurge and HydraSleeve sampling was undertaken.	NP prepared a groundwater technical memo at the time of the works (Appendix C12 in the validation report	In round 1a, both MicroPurge and HydraSleeves were used for groundwater sampling (Nation Partners 2024). A review of the analytical results showed consistency in key parameters. The well development and sampling meet the nominated guidelines.
Consideration of existing production, residential and other monitoring wells when determining groundwater well locations	NSW EPA (2020a)	New shallow (3) and deep wells (9) were installed to address the identified data gaps, including potential presence of PFAS and low density of data in several areas of the site.	The four shallow groundwater monitoring wells were purged dry on two occasions, with the recharge levels monitored the following day.	Section 6.5 provides the rationale for the MW029 installation was that groundwater flows to the northwest and groundwater data collected to date had been upgradient of the USTs. The objective of the installation was to collect data to understand the potential for residual groundwater impacts downgradient of the USTs.	The location of the wells has considered existing production, residential and other monitoring wells.

Table E2: Quality Assessment and Quality Control Summary

Requirement	DQI	NP DGI (April 2021)	NP PRI (July 2024)	NP Validation (December 2025)	Auditor Comment
Completeness		**DQI Range**	**DQI Range**	**DQI Range**	
Appropriate field sampling, sample documentation & description	AS4482.2 (1999) Parts 1&2	All samples comply. Field information and borehole logs are summarised and provided in the Appendix B.	All samples comply, but calibration records for water quality meter was not provided. Field information and borehole logs are summarised and provided in the Appendix B.	All samples comply. Sample descriptions are provided in section 6.4	Acceptable
Records detailing samples & conditions	Recorded on Borehole logs	All sample records provided. Borehole logs are provided in Appendix B.	All sample records provided. Borehole logs are provided in Appendix B.	Sample conditions are provided in Table 6.3 in section 6.4	Acceptable
All critical samples analysed for COCs and compared to criteria	All Samples.	Critical samples were analysed.	Critical samples were analysed.	Critical samples were analysed.	Acceptable
Comparability					
Experienced sampling team followed SAQP/SOP	Comment made in report	Section 7.2 states that all sampling was undertaken by Nation Partners' experienced environmental practitioners so that representative samples were collected, information was accurately recorded, and quality control was maintained throughout the investigation.	Section 6.2 states that all sampling was undertaken by Nation Partners' experienced environmental practitioners so that representative samples were collected, information was accurately recorded, and quality control was maintained throughout the investigation.	Section 7.1 states the sampling was undertaken by Nation Partners' qualified environmental consultants	Acceptable
Climatic Conditions Recorded & Discussed	Recorded on Borehole logs or in Report	For groundwater, Section 8.2.1 states that the weather experienced during the investigation works was generally calm and sunny with some rainfall events. Table 8.2 records summary of rainfall during groundwater sampling.	Not provided.	Section 2.5 states the climate of the site.	Does not impact results, noting absence of climate conditions records for Nation Partners 2024 report.

Requirement	DQI	NP DGI (April 2021)	NP PRI (July 2024)	NP Validation (December 2025)	Auditor Comment
Primary Laboratory	NATA Accredited to 17025	Soil and groundwater: Eurofins Environment Testing Australia Pty Ltd (NATA 1261) Soil vapour: SGS Australia Pty Ltd (2562)	Soil and groundwater: Eurofins Environment Testing Australia Pty Ltd (NATA 1261) Asbestos: Australian Laboratory Services (NATA 825).	Eurofins Environment Testing Australia Pty Ltd (NATA 1261)	Acceptable
Secondary Laboratory	NATA Accredited to 17025	Envirolab Services Pty Ltd (NATA 2901), and Australian Laboratory Services (NATA 825)	Australian Laboratory Services (NATA 825).	Australian Laboratory Services (NATA 825).	Acceptable
Appropriate Analytical Methods	NEPM	NEPM	NEPM	NEPM	Acceptable
Chain of custody	Includes sampler, sample nature, date, analyses, preservation, departure time, courier	Appropriate COCs provided in Appendix F were reviewed.	Appropriate COCs provided in Appendix F were reviewed.	Appropriate COCs provided in Appendix N were reviewed.	Acceptable and complete
LOR, PQL Appropriate & Consistent	LOR<criteria	LOR< criteria, except for sample SRT-PT013_14.4 (TRH), SRT-PT017_1.0 (PCB), and SRT-PT018_2.3 (PCB)	LOR< criteria.	LOR< criteria.	Acceptable. Noted non-conformances in the DGI however accepted given the remedial strategy to remove all fill.
Representativeness					
Sample Handling Appropriate & Received by Lab in Good Condition under correct Preservation Conditions	Compliant SRN	Appendix F – Sample information states that attempt to chill was evident and COC has been completed correctly, except for QA_PT09 glass jar received broken.	Appendix F – Sample information states that attempt to chill was evident and COC has been completed correctly, except for the samples listed in Eurofins reference – 1069777 which indicated appropriate sample containers have not been used.	Appendix N – Sample information states that attempt to chill was evident and COC has been completed correctly, except for the samples listed in Eurofins reference – 1170854 which indicated appropriate sample containers have not been used	Acceptable. Minor non-compliance was considered not impacting the results.
Field Screening Method Calibration	Field Instrumentation calibrated in accordance with	Equipment calibration certificates were provided by suppliers of the rented PID and	Appendix E states that equipment calibration certificates were	Appendix M states that equipment calibration certificates were	Acceptable

Requirement	DQI	NP DGI (April 2021)	NP PRI (July 2024)	NP Validation (December 2025)	Auditor Comment
	manufacturers instruction	Interface Probe. Calibration Certificates are provided in Appendix H.	provided by suppliers of the rented PID.	provided by suppliers of the rented gas monitor.	
Primary Lab Holding Times	All samples comply with NEPM (2013)	Appendix F states that samples have been provided with adequate time to commence analysis in accordance with the relevant holding times	Appendix E states that samples have been provided with adequate time to commence analysis in accordance with the relevant holding times	Section 7.1 states All extraction and analyses were completed within the standard acceptable limits	Acceptable
Secondary Lab Holding Times	All samples comply with NEPM (2013)	For ALS, sample(s) have been received within the recommended holding times for the requested analysis, except for QA-MW02, QC-MW02. For Envirolab, Sample QA-PT013 received with holding time exceedance.	No analysis holding time outliers exist, except for QA_PT02, QA_PT04, and QC_DUP2 - Received as MW_QC02.	Section 7.1 states All extraction and analyses were completed within the standard acceptable limits	Partial compliance. Several holding exceedances were noted.
Trip Spike	(per sampling event) 70-130%R	90-130%R	71-103%R	70-120%R	Within acceptable range where analysed.
Trip Blank	70-130%R	<LOR	<LOR	<LOR	Acceptable where analysed.
Rinsate Blank	(per sampling event)	In Appendix F of the DGI (Table F2), 9 rinsate samples were collected and analysed, with only one rinsate samples analysed having contaminant concentrations detected above the LOR: FB_071020: 14 µg/L chloroform (LOR = 5 µg/L). Chloroform was not detected in any other sample analysed throughout the investigation, and the presence of chloroform has not been identified in historical investigations. The detection of chloroform within FB_071020 is	In Appendix E - Table E4, 3 rinsate samples were collected and analysed, with all contaminant concentrations below LOR.	Rinsate samples were not collected as re-usable sampling equipment was not used.	Acceptable. One outlier was identified, and it's not considered to impact on the usability of the results given all fill removed from the site.

Requirement	DQI	NP DGI (April 2021)	NP PRI (July 2024)	NP Validation (December 2025)	Auditor Comment
		not considered to impact on the usability of the results or the conclusions of the assessment.			
Precision					
Primary Lab Duplicates (D)	(1/20 sample batch)	Appendix G states that results of laboratory duplicate samples did not exceed the adopted RPD criteria for any laboratory duplicates analysed. The Auditor's random review identified a few duplicate exceedance, however, according to the lab report, these exceedance were either attributed to sample heterogeneity or passed Eurofins Environment Testing's QC.	Appendix E states that none of the laboratory duplicate samples exceeded the adopted RPD criteria. Auditor's random review indicates this is the case.	Section 7.2 provides the samples exceeds the adopted RPD criteria. These exceedances were either attributed to sample heterogeneity or passed Eurofins Environment Testing's QC.	Partial compliance.
Field Duplicate Samples by Primary (intra-laboratory duplicates)	<5xPQL = any %RPD	For Soil: 0-109%RPD Appendix G states that RPD exceedance were observed for heavy metal (concentration well below the adopted investigation levels), inorganic (concentration below the adopted investigation level). For Groundwater: 0-189% Appendix G states that RPD exceedance were observed for heavy metal (concentration below the adopted investigation levels or at low concentrations marginally higher than 10 times the LOR), inorganic (concentration below the	For Soil: 0-126%RPD RPD exceedances were observed for lead, C34-C40 Fraction(F3), and C10-C40 Fraction (sum) For Water: 0-75%RPD RPD exceedance was observed for Zinc.	For Soil: 0-187% RPD Section 7.1 provides the exceedances were observed for heavy metals and PAHs of the adopted RPD criteria. For Water: 0-54% RPD	Partial compliance.

Requirement	DQI	NP DGI (April 2021)	NP PRI (July 2024)	NP Validation (December 2025)	Auditor Comment
		adopted investigation level where applicable). Appendix G states that these exceedances were considered not to impact on the usability of the results or the conclusions of the assessment.			
Field Duplicate Samples by Secondary (inter-laboratory duplicates)	>5xPQL = <50% RPD	For Soil: 0-150%RPD Appendix G states that RPD exceedance were observed for heavy metal (concentration well below the adopted investigation levels) For Groundwater: 0-164% Appendix G states that RPD exceedance were observed for heavy metal (concentration below the adopted investigation levels or at low concentrations marginally higher than 10 times the LOR), inorganic (concentration below the adopted investigation level where applicable), and PFOA (concentrations were within 10 times of the LOR, and the RPD (120%) only slightly exceeded the acceptance criteria (100%)). Appendix G states that these exceedances were considered not to impact on the usability of the results or the conclusions of the assessment.	For Soil: 0-149%RPD RPD exceedance was observed for Arsenic. For Groundwater: 0-67%RPD RPD exceedance was observed for Zinc.	For Soil: 0-167% RPD Section 7.1 provides the exceedances were observed for heavy metals and PAHs of the adopted RPD criteria. For Water: 0-40% RPD	Partial compliance.

Requirement	DQI	NP DGI (April 2021)	NP PRI (July 2024)	NP Validation (December 2025)	Auditor Comment
Accuracy					
Primary Lab Matrix Spikes (MS)	(1/20 sample batch) 70-130%R Soil	71-124%R Appendix G states that matrix spike recoveries met the adopted criteria. The Auditor's random review indicates this is the case.	72-127%R Appendix E states that recoveries were within the stated laboratory control limits of 70% to 130%. The Auditor's random review indicates this is the case.	27-207%R Section 7.2 states that matrix spike recoveries exceedance of the matrix spike control limits.	Within acceptable range
Primary Lab Surrogate Spikes (S)	(1/20 sample batch) 70-130%R Soil	60-149%R Surrogate Spikes (S) exceedances were observed based on Author's spot check. Sample with exceedances include SRT-PT008_4.5 , SRT-PT010_0.2.	58-142%R Surrogate Spikes (S) exceedances were observed based on Author's spot check. Sample with exceedances include CPR_TP23_0.6-0.7; CPR_TP21_0.4-0.5; CPR_TP16_0.2-0.4.	72-130%R Section 7.2 states all surrogate recoveries fell within the nominated acceptance criteria. Auditor's random review indicates this is the case.	Partial compliance.
Primary Lab Control Spikes (LCS)	(1/20 sample batch) 70-130%R Soil	70-130%R, except for PFCAs, PFSAs, FTSAs, and Perfluoroalkyl sulfonamido substances (50-150%) Appendix G states that the frequency and QC criteria for LCS samples were met. Auditor's random review indicates this is the case.	71-129%R. Appendix E states that LCS recoveries were within the stated laboratory control limits of 70% to 130%. The Auditor's random review indicates this is the case.	70-123%R Section 7.2 states the frequency and QC criteria for LCS samples were met. Auditor's random review indicates this is the case.	Within acceptable range
Primary Lab Method Blanks (MB)	<LOR	Due to the large volume of the sample numbers, Author performed spot check and observed <LOR for Method Blank.	Due to the large volume of the sample numbers, Author performed spot check and observed <LOR for Method Blank.	Section 7.2 states all laboratory blank results were below the limit of reporting for each respective analyte. Auditor's random review indicates this is the case.	Acceptable
Secondary Laboratory QA/QC Data (Soil and Water)	0-100%R 70-130%R 70-140%R 70-140%R	D: 0-64.5%RPD. No Duplicate outliers occur MS: 58-128%R. Matrix Spike outliers exist for: QA-PT02-Arsenic (61%); QA-PT07-	D: 0-79.5%RPD. No Duplicate outliers occur MS: 7.5-131%R. Matrix Spike outliers exist for: Anonymous - Hexavalent Chromium (7.5% and	Auditor conducted a 10% spot check: D: 0-40.4%RPD. No Duplicate outliers occur	Partial compliance.

Requirement	DQI	NP DGI (April 2021)	NP PRI (July 2024)	NP Validation (December 2025)	Auditor Comment
	<LOR	Arsenic (64.7%); Anonymous-Mercury (66.2%); Anonymous-Ferrous Iron(58%). S: Surrogate recovery outliers exist for: QA-MW02-4-Bromofluorobenzene (80.4%) LCS: 72.4-126%R. No Laboratory Control outliers occur. MB: <LOR.	49.6%); QC_DUP2 - EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS) S: No surrogate recovery outliers occur. LCS: 71.7-130%R. No Laboratory Control outliers occur. MB: <LOR.	MS: 69.7-130%R. No matrix spikes outliers occur. S: No surrogate recovery outliers occur. LCS: 71.9-131%R. No Laboratory Control outliers occur. MB: <LOR	

Appendix F Waste Classification and Imported Fill Review

Table F1: Review of Waste Classification Certificates

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 22 April 2024 Chatswood Metro – SP001 Waste Classification Ref: SP001	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP001 was sourced northern site boundary in Area A2.	Red/brown gravelly clay, 5 – 30 mm gravel, with construction waste, reo bars, rock and concrete. No odours, obvious staining, or asbestos containing material was observed in the stockpiled soil.	102 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1	GSW (non-putrescible)	While depth of the final excavation is not stated, the classification of material is considered appropriate.
Nation Partners Pty Ltd 9 April 2024 Chatswood Metro – SP003 Waste Classification Ref: SP003	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP003 was sourced from the southern portion of the site (partial Area D)	Approximately the top 1.2m of material from beneath the concrete slab in Area D, fill comprising sandy gravel, dark grey/brown medium grained, 20 – 40 mm gravel, with construction materials, including brick, concrete and render, with clays, orange/brown, medium plasticity. Asbestos containing material (ACM) fragments and construction waste materials were observed within the stockpiled material during excavation.	740 m^3	10 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs VOCs, solvents, PFAS, MAH and PCBs collected in previous samples	All concentrations below CT1, except for: • CPR_TP40_0.2-0.3, exceeded for lead CT1 and CT2 (720 mg/kg) • CPR_TP40_0.5-0.7 exceeded CT1 for lead with 170 mg/kg. • CPR_TP41_0.7-0.8 exceeded CT1 and CT2 for lead with 410 mg/kg. • SP03_1 exceeded CT1 for lead with 230 mg/kg. • SP03_2 exceeded CT1 for lead with 130 mg/kg. • SP03_5 exceeded CT1 for lead with 120 mg/kg. • SP03_7 exceeded CT1 for lead with 110 mg/kg, and for nickel with 56 mg/kg All soil concentrations were below SCC1 and TCLP results were below LOR or below TCLP1.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate noting asbestos was not detected in the stockpile samples but observed in the stockpile material.
Nation Partners Pty Ltd 28 March 2024 Chatswood Metro – SP004 Waste Classification Ref: SP004	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP004 was sourced from the southern portion of the site in the area of former USTs.	Sandy backfill from base of the underground storage tank numbers 5 and 6 excavation, comprising a sand, medium grained, poorly graded, dark grey/brown in colour, dry.	30 m^3	3 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1	GSW (non-putrescible)	Classification is appropriate.
Nation Partners Pty Ltd 12 April 2024 Chatswood Metro – SP005 Waste Classification Ref: SP005	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP005 was sourced from the southwest portion of the site (partial Area A1)	Orange/red, moist gravelly clay, with construction waste material including brick, concrete and render.	375 m^3	10 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations meet CT1, except: • SP005_6 exceeded CT1 for lead (140 mg/kg) • SP005_10 exceeded CT1 for lead (110 mg/kg) All soil concentrations were below SCC1 and TCLP results were below LOR or below TCLP1. Asbestos was identified in A1 during pre-remediation investigation.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate.
Nation Partners Pty Ltd 12 April 2024 Chatswood Metro – SP006 Waste Classification Ref: SP006	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP006 was sourced from the southern portion of Area A1	Orange/red, moist gravelly clay, with construction waste material including brick, concrete and render.	180 m^3	8 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All chemical concentrations below CT1. SP006_2 contained chrysotile asbestos detected in compressed fibre cement material.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate.

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 18 April 2024 Chatswood Metro – SP007 Waste Classification Ref: SP007	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP007 was sourced from the northeastern portion overlapping Area A2 and Area B.	Red/brown gravelly clay, dry, 5 – 30 mm gravel, with construction waste, reo bars, rock and concrete. No odours or obvious staining was observed in the stockpiled soil	105 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1. Asbestos not detected in the samples Table 7.1 states that the potential for asbestos was identified in Area B during the DGI.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate.
Nation Partners Pty Ltd 18 April 2024 Chatswood Metro – SP008 Waste Classification Ref: SP008	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP008 was sourced from the northeastern portion overlapping Area A2 and Area B.	Red/brown gravelly clay, dry, 5 – 30 mm gravel, with construction waste, reo bars, rock and concrete No odours or obvious staining was observed in the stockpiled soil	102 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1 Asbestos not detected in the samples Table 7.1 states that the potential for asbestos was identified in Area B during the DGI.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate.
Nation Partners Pty Ltd 19 April 2024 Chatswood Metro – SP009 Waste Classification Ref: SP009	North-east corner of the Pacific Highway and Mowbray Road, Chatswood The source area for SP009 is not presented – states ALL AREAS	Soil and construction waste material derived from excavated concrete hardstand. Brown/grey sandy gravel, with rock and concrete. Medium grain sand, gravels 5 – 30 mm, with construction waste, reo bars, brick and concrete. No odours, obvious staining, or asbestos containing material were observed in the stockpiled material.	99 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs The analytical suite does not include OCPs/OPPs, and PCBs. NP state that previous investigations have not detected these CoPCs and so the analyte list was limited.	All concentrations below CT1	GSW (non-putrescible)	Classification is appropriate.
Nation Partners Pty Ltd 22 April 2024 Chatswood Metro – SP010 Waste Classification Ref: SP010	North-east corner of the Pacific Highway and Mowbray Road, Chatswood The source area for SP010 is not presented – states ALL AREAS	Soil and construction waste material derived from excavated concrete hardstand. Brown/grey sandy gravel, with rock and concrete. Medium grain sand, gravels 5 – 30 mm, with construction waste, reo bars, brick and concrete. No odours, obvious staining, or asbestos containing material were observed in the stockpiled material.	90 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations meet CT1, except for SP010_1 which exceeded CT1 for nickel (54 mg/kg). All soil concentrations were below SCC1 and TCLP results were below LOR or below TCLP1.	GSW (non-putrescible)	Classification is appropriate. However, All areas does not define the source of the material
Nation Partners Pty Ltd 26 April 2024 Chatswood Metro – SP011 Waste Classification Ref: SP011	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP011 was sourced from the northern portion of the site (Area B) - – same area as SP012, SP013 and SP014	Orange/brown gravelly clay, large chunks of concrete and construction material, reo, gravel 5-50mm, sticky orange/red clay aggregates No odours or obvious staining were observed. .	97 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1. Asbestos not detected in the samples Table 7.1 states that he potential for asbestos was identified in Area B during the DGI.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate.

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 26 April 2024 Chatswood Metro – SP012 Waste Classification Ref: SP012	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP012 was sourced from the northern portion of the site (Area B) – – same area as SP011, SP013 and SP014	Orange/brown gravelly clay, large chunks of concrete and construction material, reo, gravel 5-50mm, sticky orange/red clay aggregates. No odours or obvious staining were observed in the stockpiled material.	99 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1. Asbestos not detected in the samples Table 7.1 states that he potential for asbestos was identified in Area B during the DGI.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate.
Nation Partners Pty Ltd 26 April 2024 Chatswood Metro – SP013 Waste Classification Ref: SP013	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP013 was sourced from the northern portion of the site (Area B) – same area as SP011, SP012 and SP014	Red/brown gravelly clay, large grain sand, stick clay aggregates, gravel 5-50mm, construction material, concrete, reo. No odours or obvious staining were observed in the stockpiled material.	97 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1. Asbestos not detected in the samples Table 7.1 states that he potential for asbestos was identified in Area B during the DGI.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate. However, depth of source not stated.
Nation Partners Pty Ltd 26 April 2024 Chatswood Metro – SP014 Waste Classification Ref: SP014	North-east corner of the Pacific Highway and Mowbray Road, Chatswood SP014 was sourced from the northern portion of the site (Area B) – same area as SP011, SP012 and SP013	Red/brown gravelly clay, large grain sand, stick clay aggregates, gravel 5-50mm, construction material, concrete, reo. No odours or obvious staining were observed in the stockpiled material.	99 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1. Asbestos not detected in the samples Table 7.1 states that he potential for asbestos was identified in Area B during the DGI.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate. However, depth of source not stated.
Nation Partners Pty Ltd 8 May 2024 Chatswood Metro – SP015 Waste Classification Ref: SP015	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from Area A2 at northern site boundary	Red/brown clay, with gravels and sands, with construction material, including concrete slab fragments and steel reinforcement. No odours, obvious staining, or asbestos containing material were observed in the stockpiled material	101 m^3	4 samples – judgmental, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1.	GSW (non-putrescible)	Classification is appropriate. However, depth of source not stated.
Nation Partners Pty Ltd 8 May 2024 Chatswood Metro – SP016 Waste Classification Ref: SP016	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from Area A2 at northern site boundary	Red/brown clay, with gravels and sands, with construction material, including concrete slab fragments and steel reinforcement. No odours, obvious staining, or asbestos containing material observed	105 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1.	GSW (non-putrescible)	Classification is appropriate. However, depth of source not stated.

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 17 May 2024 Chatswood Metro – SP017 Waste Classification Ref: SP017	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from Area A2 in the northwest corner of the site, at the boundary.	Stockpile comprised of gravelly clay fill material, with slab fragments – had been used for levelling site. Material was excavated from directly beneath the ground level slab, to a depth of approximately 1m, where a second slab and bitumen layer encountered. No odours, obvious staining, or asbestos containing material observed	109 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for the following exceedances of the BaP criterion (0.8 mg/kg): • SP017_1 with a concentration of 2.8 mg/kg • SP017_2 with a concentration of 1.8 mg/kg • SP017_3 with a concentration of 0.9 mg/kg All soil concentrations were below SCC1 and BaP TCLP analytical results for SP017_1 and SP017_2 did not exceed the relevant TCLP1.	GSW (non-putrescible)	NP considered this material is suitable for temporary fill but not suitable for low-density land use. Material was disposed offsite.
Nation Partners Pty Ltd 20 May 2024 Chatswood Metro – SP018 Waste Classification Ref: SP018	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from southwest corner of Area B in the northwest corner of the site (final volume of fill from Area B being used as a ramp to access the excavation)	Gravelly clay, red/brown in colour with some mottling, firm, aggregates, with gravel 5-50mm in size, with construction material comprising concrete and steel reinforcement. Material excavated from ground level to a depth of ~3 m. No odours, obvious staining, or asbestos containing material observed	85 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1.	GSW (non-putrescible)	NP considered this material is suitable for temporary fill but not suitable for low-density land use. Material was disposed offsite.
Nation Partners Pty Ltd 20 May 2024 Chatswood Metro – SP019 Waste Classification Ref: SP019	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from southwest corner of Area B in the northwest corner of the site (final volume of fill from Area B being used as a ramp to access the excavation)	Gravelly clay, red/brown in colour with some mottling, firm, aggregates, with gravel 5-50mm in size, with construction material comprising concrete and steel reinforcement. Material excavated from ground level to a depth of ~3 m. No odours, obvious staining, or asbestos containing material observed	94 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations below CT1.	GSW (non-putrescible)	Classification is appropriate.
Nation Partners Pty Ltd 20 May 2024 Chatswood Metro – SP020 Waste Classification Ref: SP020	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from north-western corner of Area D	Approximately the top 1.2m of material from beneath the concrete slab in Area D, fill comprising sandy gravel, dark grey/brown medium grained, 20 – 40 mm gravel, with construction materials, including brick, concrete and render, with clays, orange/brown, medium plasticity. No odours or obvious staining were observed within stockpiled soil. ACM fragments and waste inclusions were observed.	100 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for the following exceedances of the BaP criterion (0.8 mg/kg): • SP020_1 exceeded **CT2** (3.2 mg/kg) with a concentration of 3.7 mg/kg. • SP020_2 with a concentration of 2.0 mg/kg. • SP020_3 with a concentration of 1.4 mg/kg. • SP020_4 with a concentration of 2.0 mg/kg. All soil concentrations were below SCC1 and BaP TCLP analytical results did not exceed the relevant TCLP1.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate considering classification with SP021 noting: • Only one sample from SP020 was submitted for TCLP analysis. BaP result was <1 µg/L • TCLP results presented in this version of the document are for SP017 samples; however, the SP021 report provides SP020 TCLP results No Update

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 20 May 2024 Chatswood Metro – SP021 Waste Classification Ref: SP021	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from north-western corner of Area D	Approximately the top 1.2m of material from beneath the concrete slab in Area D, fill comprising sandy gravel, dark grey/brown medium grained, 20 – 40 mm gravel, with construction materials, including brick, concrete and render, with clays, orange/brown, medium plasticity. No odours or obvious staining were observed within stockpiled soil. ACM fragments and waste inclusions were observed.	96 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for the following exceedances of the BaP CT1 (0.8 mg/kg) or CT2 (3.2 mg/kg) criteria: • SP021_1 with a concentration of 7.1 mg/kg. • SP021_2 with a concentration of 2.9 mg/kg. • SP021_3 with a concentration of 4.2 mg/kg. • SP021_4 with a concentration of 5.5 mg/kg. • SP021_4 exceeded CT1 for lead (100 mg/kg) with a concentration of 110 mg/kg. All soil concentrations were below SCC1 and TCLP analytical results did not exceed the relevant TCLP1.	GSW – special waste (asbestos) (non-putrescible)	Classification is appropriate considering results with SP020
Nation Partners Pty Ltd 23 May 2024 Chatswood Metro – SP022 Waste Classification Ref: SP022	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from north-western corner of Area A2 from 0.2 – 1.2 m	Orange/brown gravelly clay, large chunks of concrete and construction material, steel reinforcement, gravel 8-50mm. No odours or obvious staining were observed within stockpiled soil. ACM fragments and waste inclusions were not observed.	77 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for • SP022_4 with a concentration of BaP of 1.9 mg/kg. All soil concentrations were below SCC1 and TCLP analytical results did not exceed the relevant TCLP1.	GSW (non-putrescible)	Classification is appropriate. SP022_4 exceeds HIL-A for BaP TEQ. This material is not considered suitable for reuse.
Nation Partners Pty Ltd 23 May 2024 Chatswood Metro – SP023 Waste Classification Ref: SP023	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from north-western corner of Area A2 from 0.2 – 1.2 m	Orange/brown gravelly clay, large chunks of concrete and construction material, steel reinforcement, gravel 8-50mm. No odours or obvious staining were observed within stockpiled soil. ACM fragments and waste inclusions were not observed.	100 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1.	GSW (non-putrescible)	Classification is appropriate. This material is considered suitable for reuse. However, was disposed offsite.
Nation Partners Pty Ltd 23 May 2024 Chatswood Metro – SP024 Waste Classification Ref: SP024	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from north-western corner of Area A2 from 0.2 – 1.2 m	Clayey fill, brown gravelly clay, with gravels approximately 8 –50 mm in size and coarse sands throughout, with large chunks of concrete slab, steel reinforcement and construction waste including asphalt and roadbase. No odours or obvious staining were observed within stockpiled soil. ACM fragments were not observed and waste inclusions, comprised of construction waste materials (pipe fragments, brick, concrete fragments, asphalt, road base) were observed	101 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for • SP024_1 with a BaP concentration of 1.5 mg/kg • SP024_2 with a BaP concentration of 1.3 mg/kg • SP024_3 with a BaP concentration of 0.9 mg/kg. Nation Partners considered TCLP analysis from SP022_4, considering it to be from the same waste stream. They considered that as all soil concentrations were below SCC1 and TCLP analytical results did not exceed the relevant TCLP1. Presence of asphalt and road base were present and plausible source of BaP.	GSW (non-putrescible)	Classification is appropriate. This, material is not considered suitable for reuse due to concrete and steel reinforcement.

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 23 May 2024 Chatswood Metro – SP025 Waste Classification Ref: SP025	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from north-western corner of Area A2 from 0.2 – 1.2 m	Brown gravelly clay, large chunks of concrete and construction material, steel reinforcement, gravel 8-50mm. No odours or obvious staining were observed within stockpiled soil. ACM fragments were not observed and waste inclusions, comprised of construction waste materials (pipe fragments, brick, concrete fragments, asphalt, road base) were observed.	89 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for • SP024_1 with a BaP concentration of 1.5 mg/kg • SP025_1 with a BaP concentration of 0.9 mg/kg • SP025_3 with a BaP concentration of 2.3 mg/kg • SP025_4 with a BaP concentration of 1.9 mg/kg Nation Partners considered TCLP analysis from SP022_4, considering it to be from the same waste stream. They considered that as all soil concentrations were below SCC1 and TCLP analytical results did not exceed the relevant TCLP1. Asphalt and road base were present and plausible source of BaP.	GSW (non-putrescible)	Classification is appropriate. This material is not considered suitable for reuse due BaP TEQ exceedances and concrete and steel reinforcement.
Nation Partners Pty Ltd 7 June 2024 Chatswood Metro – In-situ Waste Classification Ref: NA	North-east corner of the Pacific Highway and Mowbray Road, Chatswood In-situ soils from Area A1 and A2 in northwest portion of site. Material 1 appeared to have been placed on top of existing concrete slabs in many locations and was covered by concrete slabs understood to have been placed by the TSE contractor during early stage of their occupation of the site.	This classification relates to Material 1 only: CLAY, very firm, red/orange clay with grey mottling throughout. Gravel 5-20mm in size. This material was encountered in the northern portion of the site and was always the first material encountered below the top slab. In many instances a second slab was encountered at the lower depth of the material. No odours, obvious staining, or asbestos containing material were observed in the stockpiled material	~1,000m^3	18 samples. Sampling was completed from 14 test pits excavated in Area A1 and 9 test pits excavated in Area A2	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for • CPR_TP23_0.6-0.7 with a BaP concentration of 1.4 mg/kg • CPR_TP23_0.6-0.7 with a lead concentration of 110 mg/kg • TP50_0.5 with a nickel concentration of 44 mg/kg Nation Partners considered TCLP analysis of BaP and metals on f CPR_TP23_0.6-0.7 and TP50_0.5. They considered that as all soil concentrations were below SCC1 and TCLP analytical results did not exceed the relevant TCLP1. The 95% upper confidence limit (UCL) averages of the datasets for benzo(a)pyrene, lead and nickel were calculated and were below the CT1 criteria. the standard deviation and maximum value also passed.	GSW (non-putrescible)	Appropriate
Nation Partners Pty Ltd 2 July 2024 Chatswood Metro – In-situ Waste Classification Ref: NA	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Insitu soils from Area A1 and A2 in northwest portion of site. Material 2 was encountered at a depth of approximately 0.5 mBGL and, based on historical reports, was anticipated to extend as deep as 4 mBGL in the centre of the burial pits.	Material 2 in Area A1 was found to be generally a sandy gravel, with clays, brown/grey colour, coarse grained sand, and trace construction waste, encountered from approx.0.5 mBGL to 4.0 mBGL. At depths, in some locations a higher proportion of construction waste was encountered comprising bricks, sandstone, terracotta and ACM fragments. Soil in some locations within the boundary of the construction waste burial pit were observed to have higher clay content, with hydrocarbon odours and potential hydrocarbon staining.	4,200 m^3	41 Samples.	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The 95% UCL averages for lead, nickel and BaP and consider the results of lead, nickel and benzo(a)pyrene to be below CT1 criteria and suitable for waste classification as GSW.	GSW – special waste (asbestos) (non-putrescible)	95% UCL method accepted to accept classification.

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 2 July 2024 Chatswood Metro – In-situ Waste Classification Ref: NA	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Insitu soils from Area A2 in northwest portion of site. Material 3 was encountered from approximately 0.5 mBGL to 3.0 mBGL throughout remediation Area A2. A number of tanks were uncovered in the northwest corner of the site. This area is not considered to be part of the scope of Area A2 remediation.	Fill material. A clayey gravel, with sands, occasionally contained minor quantities of brick. No ACM material was observed in the fill material. Soil in some locations were observed to have higher clay content, with hydrocarbon odours and potential hydrocarbon staining. This was observed in TP66, TP67 and TP68	2,800 m^3	22 Samples.	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 noting the 95% UCL averages for BaP, lead and sum of PAH are below SCC1 criteria and suitable for waste classification as GSW.	GSW (non-putrescible)	95% UCL method accepted to accept classification.
Nation Partners Pty Ltd 27 June 2024 Chatswood Metro – SP026 Waste Classification Ref: SP026	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from south western area of the site at the western site boundary in **Area F** from 0 to 0.5 mbgl	Red/brown sandy GRAVEL, with clays and gravel approximately 10 – 50 mm, dry, with construction waste including ACM, concrete, steel reinforcement, plastic sheeting, bricks.	95 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for • SP026_1 with a nickel concentration of 54 mg/kg • SP026_4 with a nickel concentration of 43 mg/kg • Previous sample SRT-PT026_0.2 exceeded lead CT2 criteria at 470 mg/kg. TCLP noted that nickel was non-leaching (<TCLP1) but the analysis was not done on the stockpile samples, instead considered from nearby characterisation test pit samples - CPR_TP28_1.0-1.1, TP50_0.5 TCLP analysis of lead on SRT-PT026_0.2 did not exceed TCLP1.	GSW – Special Waste (asbestos) (non-putrescible)	Classification is appropriate
Nation Partners Pty Ltd 27 June 2024 Chatswood Metro – SP027 Waste Classification Ref: SP027	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from south western area of the site at the western site boundary in **Area F** from 0.5 to 1.0 mbgl	Sandy CLAY, orange, moist, soil aggregates, gravel, approximately 5 – 30 mm. No odours or obvious staining were observed within stockpiled soil. No ACM fragments or waste inclusions were observed,	96 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1	GSW (non-putrescible)	Classification is appropriate
Nation Partners Pty Ltd 27 June 2024 Chatswood Metro – SP028 Waste Classification Ref: SP028	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from south western area of the site at the western site boundary in **Area F** from 0 to 0.5 mbgl.	Red/brown sandy GRAVEL, with clays and gravel approximately 10 – 50 mm, dry, with construction waste including ACM, concrete, steel reinforcement, plastic sheeting, bricks.	19 m^3	3 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1	GSW – Special Waste (asbestos) (non-putrescible)	Classification is appropriate

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 27 June 2024 Chatswood Metro – SP029 Waste Classification Ref: SP029	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from north western corner of the site at the western site boundary in **Area A2** above the UST farm	gravelly SAND, grey/brown, gravel approximately 5 – 30 mm, with clays moist, some construction waste comprising concrete, bricks. Hydrocarbon odours were observed within stockpiled soil. ACM fragments were not observed however waste inclusions, comprised of construction waste materials (concrete, steel reinforcement bar, bricks).	7 m^3	3 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1	GSW (non-putrescible)	Classification is appropriate
Nation Partners Pty Ltd 1 July 2024 Chatswood Metro – SP030 Waste Classification Ref: SP030	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from southern boundary of the site in **Area E.** Material is from below slab to approximately 0.2 mbgl.	Gravelly SAND fill, moist, some natural clay, with bricks, pipes, tiles, render, concrete and ACM observed during excavation. No odours or staining observed.	100 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for • SP030_1 with a nickel concentration of 68 mg/kg • SP030_2 with a lead concentration of 110 mg/kg • SP030_3 with a nickel concentration of 46 mg/kg • SRT-PT008_0.25 exceeded CT1 for lead at 320 mg/kg • SRT-PT008_0.25 exceeded CT1 for BaP at 1.4 mg/kg • TCLP analysis for nickel was not conducted, historical TCLP analysis at the site noted nickel is non leaching in fill. Lead TCLP of nearby samples CPR_TP40_0.2-0.3, CPR_TP41_0.7-0.8, SP05_6 and SP05_10 did not exceed the TCLP1 criteria BaP TCLP on SP022_4, a sample from a stockpile in Area A2 with BaP exceedances and Nation Partners consider to be of the same waste stream did not exceed TCLP1..	GSW – Special Waste (asbestos) (non-putrescible)	Classification is appropriate
Nation Partners Pty Ltd 1 July 2024 Chatswood Metro – SP031 Waste Classification Ref: SP031	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from southern boundary of the site in **Area E.** Material is from below slab to approximately 0.5 mbgl.	Gravelly SAND fill, some natural clay, with bricks, pipes, tiles, render, concrete and ACM observed during excavation. No odours or obvious staining were observed	50 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for • SP031_1 with a nickel concentration of 48 mg/kg • SP031_2 with a lead concentration of 210 mg/kg • SP031_3 with a lead concentration of 560 mg/kg • SP031_4with a BaP concentration of 0.9 mg/kg • TLCP analysis for nickel was not conducted on the stockpile samples. historical TCLP analysis at the site noted nickel is non leaching in fill. Lead TCLP of historical samples SRT-PT008_0.25, PR_TP40_0.2-0.3, PR_TP41_0.7-0.8, SP05_6 and SP05_10 did not exceed TCLP1. BaP TCLP on SP022_4, a sample from a stockpile in Area A2 with BaP exceedances and Nation Partners consider to be of the same waste stream did not exceed TCLP1.	GSW – Special Waste (asbestos) (non-putrescible)	Classification is appropriate

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 1 July 2024 Chatswood Metro – SP032 Waste Classification Ref: SP032	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from southern boundary of the site in **Area E.** Material is from approximately 0.8 to 1.0 mbgl.	Sandy GRAVEL fill and natural clay, tree roots.	46 m3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	Detected concentrations of analytes in the samples analysed were less than the relevant CT1	GSW (non-putrescible)	Classification is appropriate
Nation Partners Pty Ltd 1 July 2024 Chatswood Metro – SP033 Waste Classification Ref: SP033	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from southern boundary of the site in **Area E.** Material is from 0-0.5 mbgl	Sandy GRAVEL fill and natural clay. No odours or obvious staining were observed within stockpiled soil. ACM fragments were observed. Construction material was observed, including concrete, render, brick, reinforced metal bars, plastic sheeting, and tiles.	21 m^3	3 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1 except for • SP033_1 with a lead concentration of 230 mg/kg • SP033_1 with a BaP concentration of 1.0 mg/kg • SP033_2 with a lead concentration of 150 mg/kg • SP033_3 with a lead concentration of 190 mg/kg • TCLP analysis for lead has been conducted on SRT-PT008_0.25 was below TCLP1. lead TCLP in nearby samples CPR_TP40_0.2-0.3, CPR_TP41_0.7-0.8, SP05_6 and SP05_10 did not exceed TCLP1 • TCLP for BaP conducted on SP022_4 in Area A2, considered to be from the same waste stream and did not exceed TCLP.	GSW – Special Waste (asbestos) (non-putrescible)	Classification is appropriate
Nation Partners Pty Ltd 1 July 2024 Chatswood Metro – SP034 Waste Classification Ref: SP034	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from northern corner of the site in **Area A2,** material above UST farm 0.3 – 0.6 mbgl	Gravelly SAND, grey/brown, gravel approximately 5 – 30 mm, moist, with clays, with construction waste, concrete, steel reinforcement bar, and bricks. Hydrocarbon odours were observed within stockpiled soil. No obvious staining was observed. ACM fragments were not observed. Construction material was observed, including concrete, steel reinforced bar, and bricks	17 m^3	3 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1	GSW (non-putrescible)	Classification is appropriate .
Nation Partners Pty Ltd 12 July 2024 Chatswood Metro – UST 1-10 Liquid Waste Classification Ref: UST Liquid	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from northeast area of the site in vicinity of former Caltex Service Station. 10 unexpected USTs	Clear water, with visible sheen, moderate hydrocarbon odour from liquid within each UST and from soils around USTs. Sediment layer built up on bottom of USTs, pressure washed in-situ and removed by vacuum truck at the time of liquid waste collection and UST removal	Not Stated	10 (1 per tank)	Grab samples by hand, where possible, or by using a dedicated single use disposable plastic bailer	Metals (As,Be, Cd, Ca, Cr (VI), Pb, Hg, Mo, Se, Ag, Ni, Zn); BTEX; TPH and TRH; MAHs and PAHs; VOC screen (for UST 4 only)	TRH, BTEX, Metals and Naphthalene above detection limits. Acetone detected in T4.	Liquid Waste (J120)	Appropriate

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 12 July 2024 Chatswood Metro – SP035 Waste Classification Ref: SP035	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from northeast area of site in vicinity of UST farm (Area A2)	Sandy CLAY, orange/brown, gravel approximately 5 – 30 mm, moist. Mild hydrocarbon odours were observed within stockpiled soil. No obvious staining was observed. ACM fragments were not observed. Construction material was observed, including concrete, steel reinforced bar, and bricks	50 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	All concentrations were below CT1	GSW (non-putrescible)	Classification is appropriate .
Nation Partners Pty Ltd 22 August 2024 Chatswood Metro – SP036 Waste Classification Ref: SP036	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from central area of site within **Area D.**	Gravelly sand fill material, with construction waste including concrete and bitumen fragments and some clay. Potential asbestos containing material (PACM) pipe material was excavated within material. No odours or obvious staining were observed in the stockpiled material.	100 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	fragments of asbestos containing material were observed in the stockpile All concentrations were below CT1 except for • SP036_1 with a BaP concentration of 2.8 mg/kg. • SP036_2 with a BaP concentration of 25 mg/kg, exceeding SCC2 criteria (23 mg/kg). • SP036_3 with a BaP concentration of 19 mg/kg, exceeding SCC1 (10 mg/kg) • SP036_2 with a Total PAH concentration of 230 mg/kg. • SP036_3 with a Total PAH concentration of 210 mg/kg. TCLP analysis for BaP on SP036_2 was at the LOR indicating contaminant is non-leachable. Asphalt and road base present at this location. The source of BaP and other PAH is considered to be due to the presence of asphalt and bituminous material.	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification is appropriate noting depth of excavation not stated
Nation Partners Pty Ltd 22 August 2024 Chatswood Metro – SP037 Waste Classification Ref: SP037	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Excavation from central area of site within **Area D.**	Gravelly sand fill material, with construction waste, including concrete, tile, brick and bitumen, with clays as the bottom of excavation entered natural material. PACM pipe excavated within material. No odours or obvious staining were observed in the stockpiled material.	100 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	Fragments of asbestos containing material were observed in the stockpile All concentrations were below CT1 except for • SP037_1 with a BaP concentration of 44 mg/kg, exceeding SCC2 criteria (23 mg/kg) • SP037_1 with a Total PAH concentration of 660 mg/kg. TCLP analysis for BaP on SP037_1 was marginally above LOR and did not exceed TCLP1threshold, indicating contaminant is non-leachable. Field observations and photographs of the stockpile indicate the presence of asphalt and road base materials at this location The source of BaP and other PAH is considered to be due to the presence of asphalt and bituminous material.	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification is appropriate noting depth of excavation not stated

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 27 August 2024 Chatswood Metro – SP038 Waste Classification Ref: SP038	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Non-remediation Area (south portion of site)	Surface scrape of ground to collect concrete fragments. Gravels and sands, with concrete fragments, construction waste and potential asbestos containing material (PACM) fragments observed. No odours or obvious staining were observed in the stockpiled material.	97 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentrations of analytes in the samples analysed were less than the relevant CT1 values fragments of PACM observed.	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification is appropriate noting depth of excavation not stated
Nation Partners Pty Ltd 27 August 2024 Chatswood Metro – SP039 Waste Classification Ref: SP039	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Non-remediation Area (south portion of site)	Surface scrape of ground to collect concrete fragments. Gravels and sands, with concrete fragments, construction waste and potential asbestos containing material (PACM) fragments observed No odours or obvious staining were observed in the stockpiled material.	72 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentrations of analytes in the samples analysed were less than the relevant CT. Fragments of PACM observed.	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification is appropriate
Nation Partners Pty Ltd 10 September 2024 Chatswood Metro – SP040 Waste Classification Ref: SP040	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Area C, central-southeast portion of the site, north of Mowbray house – excavation included Fill and UST4. Material was excavated from remediation Area C from a depth of 0.2 - 1.2 m below ground level. Below this depth natural material was encountered and as such the excavation was terminated.	Fill and UST Red/brown sandy clay with construction material. No odours or obvious staining were observed in the stockpiled material.	85 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentrations of analytes in the samples analysed were less than the relevant CT1 values except for: • SP040_3 with a lead concentration of 130mg/kg exceeding the CT1 criteria (100 mg/kg) TCLP analysis run on both stockpile and nearby testpits. Lead TCLP from CPR_TP40_0.2-0.3, CPR_TP41_0.7-0.8, SP05_6 and SP05_10 did not exceed the TCLP1 criteria Fragments of PACM were observed in the material	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification is appropriate Material was excavated from remediation Area C from a depth of 0.2 - 1.2 m below ground level.

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 10 September 2024 Chatswood Metro – SP041 Waste Classification Ref: SP041	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Area C, central-southeast portion of the site, north of Mowbray house – excavation included Fill and UST4. Material was excavated from remediation Area C from a depth of 0.2 - 1.2 m below ground level. Below this depth natural material was encountered and as such the excavation was terminated.	Red/brown sandy clay FILL from Area C UST excavation. No odours or obvious staining were observed in the stockpiled material.	90 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentrations of analytes in the samples analysed were less than the relevant CT1 values.	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification is appropriate Material was excavated from remediation Area C from a depth of 0.2 - 1.2 m below ground level.
Nation Partners Pty Ltd 10 September 2024 Chatswood Metro – SP042 Waste Classification Ref: SP042	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Area C, central-southeast portion of the site, north of Mowbray house – excavation included Fill and UST4. Material was excavated from remediation Area C from a depth of 0.2 - 1.2 m below ground level. Below this depth natural material was encountered and as such the excavation was terminated	Red/brown sandy clay FILL from Area C with construction material. No odours or obvious staining were observed in the stockpiled material.	86 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentrations of analytes in the samples analysed were less than the relevant CT1 values except for: • SP042_1 with a lead concentration of 120mg/kg exceeding the CT1 criteria (100 mg/kg) TCLP analysis run on both stockpile and nearby testpits. Lead TCLP from CPR_TP40_0.2-0.3, CPR_TP41_0.7-0.8, SP05_6 and SP05_10 did not exceed the TCLP1 criteria Fragments of PACM were observed in the material	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification is appropriate Material was excavated from remediation Area C from a depth of 0.2 - 1.2 m below ground level.

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 10 September 2024 Chatswood Metro – SP043 Waste Classification Ref: SP043	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Area C, central-southeast portion of the site, north of Mowbray house – excavation included Fill and UST4. Material was excavated from remediation Area C from a depth of 0.2 - 1.2 m below ground level (BGL), as well as around the UST excavation pit to a depth of 2.5 m BGL. Below this depth natural material was encountered and as such the excavation was terminated.	Red/brown sandy clay FILL with construction material. No odours or obvious staining were observed in the stockpiled material.	78 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentrations of analytes in the samples analysed were less than the relevant CT1 values except for: • SP043_21 with a lead concentration of 630 mg/kg exceeding the CT2 criteria (400 mg/kg) TCLP analysis run on both stockpile and nearby testpits. Lead TCLP from CPR_TP40_0.2-0.3, CPR_TP41_0.7-0.8, SP05_6 and SP05_10 did not exceed the TCLP1 criteria Fragments of PACM were observed in the material	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification is appropriate

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 2 October 2024 Chatswood Metro – Fill Area 1 In-situ Waste Classification Ref: Fill Area 1	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Fill Area 1, Distributed across the southern area of the site.	ACM contaminated layer of fill: Sandy gravel, grey/brown colour, coarse grain sands, with clays, with construction waste comprising of brick fragments, concrete fragments, tiles, bitumen fragments and ACM fragments. Targeted removal between 0.3 mBGL and approx. 0.75 m BGL.	2,490 m^3	19 insitu samples.	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentrations of analytes in the samples analysed were less than the relevant CT1 values except for: • CPR_TP44_0.5-0.6 with a lead concentration of 210 mg/kg exceeding the CT1 criteria (100 mg/kg) • CPR_TP46_0.4-0.5 with a lead concentration of 190 mg/kg exceeding the CT1 criteria (100 mg/kg) • CPR_TP01_0.3-0.4 with a lead concentration of 430 mg/kg exceeding the CT2 criteria (400 mg/kg) • SRT_PT002_0.5 with a lead concentration of 160 mg/kg exceeding the CT1 criteria (100 mg/kg) • SRT-PT004_0.2 with a nickel concentration of 89 mg/kg exceeding the CT1 criteria (40 mg/kg) • CPR_TP03_0.2-0.3 with a nickel concentration of 88 mg/kg exceeding the CT1 criteria (40 mg/kg) • CPR_TP05_0.2-0.3 with a nickel concentration of 79 mg/kg exceeding the CT1 criteria (40 mg/kg) • CPR_TP08_0.7-0.9 with a nickel concentration of 100 mg/kg exceeding the CT1 criteria (40 mg/kg) • CPR_TP44_0.2-0.3 with a nickel concentration of 62 mg/kg exceeding the CT1 criteria (40 mg/kg) • CPR_TP45_0.4-0.5 with a nickel concentration of 46 mg/kg exceeding the CT1 criteria (40 mg/kg) • CPR_TP46_0.2-0.3 with a nickel concentration of 61 mg/kg exceeding the CT1 criteria (40 mg/kg) • SRT-PT009_0.6 with a BaP concentration of 1.5 mg/kg exceeding the CT1 criteria (0.8 mg/kg) TCLP analysis run on representative samples that exceeded CT1 and CT2 – results did not exceed the relevant TCLP1 criteria ACM visually identified beneath the slab and the fill. Asbestos fragments positively analysed at CPR_TP35_0.4-0.6, CPR_TP07_0.4-0.6, CPR_TP41_0.4-0.5	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Classification accepted noting that not all logs were provided and an updated figure was requested but not provided. Justification for meaning of "representative" not provided

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 20 November 2024 Chatswood Metro – Fill Area 2 In-situ Waste Classification Ref: Fill Area 2	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Fill Area 2, in the northeastern area of the site, includes: • Area of Uncertainty (AOU): located in the central-northern portion of the site adjacent to remediation Area A1 to the west. • Former Ausgrid Total Quality Centre (referred to herein as the H building area): located in the northeastern portion of the site	Asbestos containing material (ACM) contaminated layer of fill material - consisting of sandy gravel, with grey/brown colour, coarse grain sands, some clay, and construction material comprising of brick fragments, concrete fragments, tiles, bitumen fragments and ACM fragments. The layer of ACM contaminated fill material that is targeted for removal was typically found at a median depth of 0.45 mBGL and extended down to a median depth of 0.9 mBGL. Parts of the natural clay material adjacent to the ACM fill material, structural footings and asbestos pipes have been sacrificed during the excavation as it has come into contact with ACM pipe and ACM fragments, leading to larger excavation volumes than the estimated fill layer.	AOU: 3,800 m3 H Area: 3,200 m3 Total: 7,000 m3	32 insitu samples	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	ACM was identified via a presence/absence laboratory test of TP81_0.7 The detected concentrations of analytes in the samples analysed were less than the relevant CT1 values except for: • TP76_0.7 with a lead concentration of 590 mg/kg exceeding the CT2 criteria (400 mg/kg) • TP78_0.3 with a nickel concentration of 130 mg/kg exceeding the CT1 criteria (40 mg/kg) • TP80_1.1 with a nickel concentration of 110 mg/kg exceeding the CT1 criteria (40 mg/kg). • TP73_0.5 with a nickel concentration of 72 mg/kg exceeding the CT1 criteria (40 mg/kg). • TP74_0.7 with a nickel concentration of 48 mg/kg exceeding the CT1 criteria (40 mg/kg). • TP75_0.6 with a nickel concentration of 51 mg/kg exceeding the CT1 criteria (40 mg/kg). • TP75_0.9 with a nickel concentration of 92 mg/kg exceeding the CT1 criteria (40 mg/kg). • TP79_0.7 with a nickel concentration of 74 mg/kg exceeding the CT1 criteria (40 mg/kg). • TP79_0.9 with a nickel concentration of 97 mg/kg exceeding the CT1 criteria (40 mg/kg). • QC47 with a benzo(a)pyrene concentration of 1.0 mg/kg exceeding the CT1 criteria (0.8 mg/kg). • FA2_12 with a nickel concentration of 60 mg/kg exceeding the CT1 criteria (40 mg/kg). • FA2_13 with a nickel concentration of 42 mg/kg exceeding the CT1 criteria (40 mg/kg).. • FA2_14 with a nickel concentration of 49 mg/kg exceeding the CT1 criteria (40 mg/kg). TCLP analysis run on representative samples that exceeded CT1 and CT2: one sample for lead, four samples for nickel, and one sample for benzo(a)pyrene – results did not exceed the relevant TCLP1 criteria therefor SCC1 adopted. Statistical analysis was conducted on the entire dataset. 95%UCL for lead and nickel and results showed the 95%UCL was below SCC1.	General Solid Waste – Special Waste (Asbestos) (GSW-A) (non-putrescible)	Accepted

Waste Classification Document	Site and Location Where Waste was Generated	Material Description and Observation	Volume Specified	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Auditor's Assessment
Nation Partners Pty Ltd 18 October 2024 Chatswood Metro – SP044 Waste Classification Ref: SP044	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Northwest corner in area of USTs	Red/brown sandy CLAY from around former UST farm, with both natural and fill materials, some construction waste (brick, concrete)	54 m^3	3 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentration of analytes in the samples analysed were less than the relevant CT1 values in Table 1 of the Waste Classification Guidelines (NSW EPA, 2014).	General Solid Waste (GSW) (non-putrescible)	The Auditor is satisfied with the classification however notes the consultant does not comment on odour or staining observations of the material. .
Nation Partners Pty Ltd 18 October 2024 Chatswood Metro – SP045 Waste Classification Ref: SP045	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Northwest corner in area of USTs	Red/brown sandy CLAY from around former underground storage tank (UST) farm, with both natural and fill materials, some construction waste (brick, concrete), dry.	55 m^3	3 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentration of analytes in the samples analysed were less than the relevant CT1 values in Table 1 of the Waste Classification Guidelines (NSW EPA, 2014).	General Solid Waste (GSW) (non-putrescible)	The Auditor is satisfied with the classification however notes the consultant does not comment on odour or staining observations of the material. .
Nation Partners Pty Ltd 19 December 2024 Chatswood Metro – SP046 Waste Classification Ref: SP046	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Southern site boundary, west of Mowbray House and east of Fill Area 1	Grey/brown gravelly SAND, with fill material and construction waste (brick, concrete, pipes), dry Material excavated from 0.2-0.4 m depth in area of former substation	100 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentrations of analytes in the samples analysed were less than the relevant CT1 values with exception of: • SP046_1 with nickel concentration of 41 mg/kg exceeding the CT1 criteria (40 mg/kg) • TCLP analysis was completed and determined that nickel is non leaching. SCC1 values can be applied. • ACM observed.	General Solid Waste – asbestos (GSW-A) (non-putrescible)	The Auditor is satisfied with the classification
Nation Partners Pty Ltd 19 December 2024 Chatswood Metro – SP047Waste Classification Ref: SP047	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Southern site boundary, west of Mowbray House and east of Fill Area 1	Grey/brown gravelly SAND, with both natural and fill materials and clay, some construction waste (brick, concrete), dry. Material excavated from 0.4-0.8 m depth in area of former substation. No odour or staining observed	100 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentration of analytes in the samples analysed were less than the relevant CT1 values in Table 1 of the Waste Classification Guidelines (NSW EPA, 2014). Asbestos containing material (ACM) pipe was observed in the wall and in the fill material.	General Solid Waste – asbestos (GSW-A) (non-putrescible)	The Auditor is satisfied with the classification
Nation Partners Pty Ltd 19 December 2024 Chatswood Metro – SP048 Waste Classification Ref: SP048	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Southern site boundary, west of Mowbray House and east of Fill Area 1	Grey/brown gravelly SAND, with both natural and fill materials and clay, some construction waste (brick, concrete), dry. Material excavated from 0.4-0.8 m depth in area of former substation. No odour or staining observed	100 m^3	4 samples – systematic, from the stockpile	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	The detected concentration of analytes in the samples analysed were less than the relevant CT1 values in Table 1 of the Waste Classification Guidelines (NSW EPA, 2014). Asbestos containing material (ACM) pipe was observed in the wall and in the fill material	General Solid Waste – asbestos (GSW-A) (non-putrescible)	The Auditor is satisfied with the classification.
Nation Partners Pty Ltd 29 April 2025 Chatswood Metro – SP049 Test Pits Waste Classification Ref: SP049	North-east corner of the Pacific Highway and Mowbray Road, Chatswood Southern site boundary, west of Mowbray House near site access driveway	SP049 comprised material from TP90-TP92. Observations from the three testpits within the driveway: TP90: Grey/brown sandy CLAY, with both natural and fill materials and clay, some construction waste (brick, concrete), dry. TP91: Grey/brown sandy GRAVEL with road base fill; increasing sand and clay with increasing depth TP92: TSE Fill, followed by brown/orange gravelly SAND at depth.	5 m^3	TP90: 2 TP91: 2 TP92: 3	Sampling was conducted in general accordance with the RAP (Nation Partners, 2021)	Asbestos, BTEXN, TRH/TPH, metals, and PAHs	Second buried concrete slab observed at TP92. The detected concentration of analytes in the samples analysed were less than the relevant CT1 values in Table 1 of the Waste Classification Guidelines (NSW EPA, 2014). With exception • TP91_0.2-0.3with nickel concentration of 95 mg/kg exceeding the CT1 criteria (40 mg/kg) • TCLP analysis was completed and determined that nickel is non leaching. SCC1 values can be applied. Asbestos containing material (ACM) was detected via a presence/absence laboratory test at TP90_0.2-0.3. (0.058% w/w)	General Solid Waste – asbestos (GSW-A) (non-putrescible)	The Auditor is satisfied with the classification.

Table F2: Review of Imported Material Documentation

Document	Location of the Site Where Waste was Generated, Address of Site, Lot & DP	Site History & Potentially Contaminating Activities	Material Description and Observation	Volume Specified in the Classification	Sampling Density & Pattern	Sampling Method	COPCs	Summary of Results	Waste Classification	Actual Volume Imported	Location of Placement	Auditor's Assessment/ Compliance
Certification: Virgin Excavated Natural Material Bright Environmental 7-8 Coronation St, Mona Vale NSW Ref: BE20250516-A	Lot 34 and 35 DP25446	2 residential properties since the 1960s.	Residual soil and sandstone at 0.5 – 0.6 m depth across the site.	3,825 m^3 within 850 m^2 area.	5 samples from test pits after removal of the fill layer.	Not stated.	EC, heavy metals, pH	Heavy metal concentrations considered indicative of background. No asbestos observed or detected in the fill layer. pH was between 5.8 and 6.7.	VENM	468 T	Site wide - for site grading works during handover	While testing is limited, NP conducted an additional assessment (below) the material classification is appropriate.
VENM Site Visit Diary Nation Partners Ref: NP23132	7-8 Coronation Street, Mona Vale NSW - Lot 34 and 35 DP25446	Nothing stated	Silty SAND, fine grained, dark grey and brown, with trace of fine grained, sub - rounded and sub - angular gravels	-	4 primary samples	Samples collected from different locations within a large stockpile situated in the centre of the site	Asbestos, BTEX, TRH, metals, PAH	Heavy metal concentrations considered indicative of background. No BTEX, PAH or TRH detected. No asbestos observed or detected	VENM	-	-	The limitations of the diary are accepted as it is intended to be reviewed in conjunction with the Bright Environmental VENM report
Certification: Virgin Excavated Natural Material Bright Environmental 54_58 Beaconsfield Street, Newport NSW Ref: BE20250516-A	7B/162021, 6/1096088, 5B/158658	Not stated, appears to be a residential property.	Residual silty clay beneath fill layer (removed at the time of assessment) Asbestos not observed	9000m^3 from a 1500 m^2 area, 0.5m to 10mbgl	2 samples following removal of fill from the site	Not stated	pH, EC, heavy metals, BTEX, PAH, TRH, asbestos (P/A)	Heavy metal concentrations considered indicative of background. No BTEX, PAH or TRH detected. No asbestos observed or detected in the fill layer. Negative results. pH was between 5.3 and 6.5.	VENM	1836 T	Enable construction of internal road between ingress and egress points to enable removal of concrete and fill beneath the existing driveway.	Classification appropriate, noting deficiencies in the report. However, the Auditor is satisfied that NP completed appropriate inspection upon use at the site.
ADE Consulting Group 6 February 2024 Materials Analysis & Classification Report Ref: MAC1.v1f	263, 265, 267, 269, 271, 273, 277 to 281 Pennant Hills Road, Carlingford, NSW	A DSI is referred to which included intrusive soil and groundwater investigation. A RAP was prepared for remediation of asbestos contaminated fill and a heavy metal hotspot.	Natural clay and sandy clay within the proposed excavation areas. No visual or olfactory signs of contamination were noted within natural materials inspected at the site.	Basement Excavations: Building E&F: ~27,250 m^3 Building A, B, C, and G: ~202,500 m^3 Building D: ~22,240 m^3 Proposed Borrow Pit: ~9,740 m^3	• 30 VENM samples analysed from 70 test pit locations	Samples were collected with the assistance of an excavator and using dedicated nitrile gloves. All samples requiring chemical analysis were placed in glass jars with Teflon lined lids	Metals, TRH, PAH, BTEX, OCP, OPP, PCB	Analyte concentrations considered to be background. Asbestos was observed in the fill which extended to 0.5 m. Natural materials beneath considered to be VENM.	VENM	6,265 T	To add structural integrity of the site hoarding and produce several roadways for the movement of heavy vehicles on-site	Appropriate noting that the classification was limited to the insitu virgin soil and that all fill was to be removed prior to excavation and export of the VENM.

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