Douglas PARTNERS

GROUNDED EXPERTISE

Volume 2 of 3
Appendix C and D

Remediation Action Plan

Proposed Industrial Development

49-61 Stephen Road, Banksmeadow

Prepared for ESR Australia

Project 219609.01

12 December 2024

Appendix C

Site Contamination Regulation

Appendix C1

Allnex Voluntary Management Proposal

VOLUNTARY MANAGEMENT PROPOSAL UNDER THE CONTAMINATED LAND MANAGEMENT ACT 1997

Part 1

Preliminary Details

1. Proponent's Details

(a) Name and contact details

Allnex Resins Australia Pty Ltd
ACN: 000 045 572
ABN: 25 000 045 572
Phone: +61 2 9666 0388
Email: Anthony.Borsovszky@allnex.com
Postal address: 49-61 Stephen Road - Botany, NSW
Postcode: 2019
EPA licence number: 993

(b) Who the EPA should contact with technical enquiries about the proposal

Name: Anthony Borsovszky
Employer/Company: Allnex
Position title: Site Manager
Type of business: Industrial Resins Manufacturer
Phone (business): +61 2 9666 0388
Phone (after hours): +61 (0)408 599 290
Email: Anthony.Borsovszky@allnex.com

2. Site to which proposal applies

The site to which the proposal applies ("the site") is:

Industrial property located at 49-61 Stephen Road, Botany NSW, registered at NSW LRS[1] as location code A/190526, Lot A, DP 190526, Lot 1 DP1095110 and Lot 1 DP311767. Site location is presented in **Attachment 1 – Site Map**.

[1] NSW LRS: New South Wales Land Registry Services (http://online.nswlrs.com.au).

3. The contamination

Soil and groundwater at the site are contaminated with substances and the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. The substances of concern ("the contaminants") are:

- toluene
- ethylbenzene
- total xylenes

4. The management proposal

The management proposal ("the proposal") comprises:

a) the information set out above;

b) the actions, works, objectives and other components set out in the following documents:

- AECOM, 2020a. Remediation Action Plan Execution Summary Report. 18 February.
- AECOM, 2020b. Remediation Options Assessment - Allnex Botany Site. 30 April.
- AECOM, 2017. Remediation Action Plan. 23 February.

c) the undertakings set out in Part 2 of this document; and

d) the performance schedule set out in Part 3 of this document.

Part 2

Undertakings Included in Voluntary Management Proposal

Explanatory Note:
Before the EPA can approve a voluntary management proposal under section 17 of the Contaminated Land Management Act 1997, it has a statutory obligation to satisfy itself that the terms of the proposal (as modified by any conditions to be imposed by the EPA) submitted to it under section 17 are appropriate. In addition to including an appropriate investigation plan, remedial action plan or other plan of management, to be acceptable to the EPA a proposal would usually include the undertakings set out below. These undertakings are important and will form part of the terms of the proposal. If the proposal is approved, they must be complied with in order for the EPA to be satisfied that the terms of the proposal have been carried out.

THE PROPOSAL INCLUDES THE FOLLOWING UNDERTAKINGS:

General

1. All works or activities carried out in connection with the proposal, including sampling and preparation of associated reports ("the activities"), will be carried out in accordance with applicable provisions of State Environmental Planning Policy 55 – Remediation of Land and any requirements imposed under it in relation to the activities.

2. All matters listed as relevant to a remediation action plan by the EPA's Guidelines for Consultants Reporting on Contaminated Sites (2020) will be taken into account in the carrying out of the activities.

3. All the activities will be carried out consistently with guidelines made or approved under section 105 of the CLM Act. (See http://www.epa.nsw.gov.au/clm/guidelines.htm)

4. All the activities will be carried out in compliance with applicable NSW environmental legislation, and in particular:

i) All the activities, including:
    1) the processing, handling, movement and storage of materials and substances used to carry out the activities; and
    2) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activities will be carried out in a competent manner;

ii) All plant and equipment installed at the site or used in connection with the activities:
    1) will be maintained in a proper and efficient condition; and
    2) will be operated in a proper and efficient manner.

5. All the activities at the site will be carried out in a manner that prevents or minimises the emission of dust, odour and noise from the site.

6. Waste generated or stored at the Site will be assessed and classified in accordance with the EPA's Waste Classification Guidelines Part 1: Classifying Waste.
(See www.epa.nsw.gov.au/wasteregulation/classify-guidelines.htm)

7. All waste transported from the Site that is required by the Protection of the Environment Operations (Waste) Regulation 2014 to be tracked must be tracked using the EPA's on-line tracking system or an alternative tracking system approved in writing by the EPA.
(See www.epa.nsw.gov.au/owt/aboutowt.htm)

8. The proponent will make this voluntary management proposal available to the public free of charge and consents to the EPA placing this proposal on its public website.

9. The proponent will make all documents referred to in, and required to be prepared under, this voluntary management proposal available to the public free of charge, unless the proponent identifies commercial-in-confidence or private/personal information (including information relating to a third party) within those documents. In these cases, the proponent will remove such information from the documents to make the documents suitable for public release.

10. The proponent will:

i) prior to the implementation of the proposal provide for the EPA's approval a strategy for communicating about that implementation, particularly the actual management works, with members of the public who are likely to have a real interest in or be affected by that implementation; and
ii) implement the strategy as approved in writing by the EPA.

Monitoring, Record Keeping & Reporting

11. At least until the EPA has notified the proponent that the EPA no longer considers that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997, record and retain all monitoring data and information and provide this record to the EPA at any reasonable time if so requested by the EPA and as specifically provided under the proposal.

12. The EPA will be informed in writing within 7 days of the proponent becoming aware of information or data indicating a material change:
a) in conditions at the site, or
b) in its surrounding environment, which could adversely affect the prospects of successful management of the site or result in harm to the environment.

13. The EPA will be informed in writing within 7 days of the proponent becoming aware of any failure, either by the proponent or any other person, to comply with any term of the proposal.

14. The EPA will be informed in writing as soon as practicable of any notification by the proponent, its employees or its agents to an appropriate regulatory authority other than the EPA of any pollution incident at the site within the meaning of the Protection of the Environment Operations Act 1997. (See http://www.epa.nsw.gov.au/licensing/dutytonotify.htm)

Performance Schedule

15. The performance schedule which is in Part 3 of this document will be adhered to.

Part 3

Performance Schedule

Explanatory Notes:
The performance schedule required must provide a clear and concise list of:

- *key milestones and dates by which they are to be achieved and*
- *the objectives and principal features of the investigation or remedial action plan.*

The performance schedule is very important because it provides a concise set of performance indicators which will be used, along with an evaluation of compliance with the terms in Part 2 of this document, to assess whether or not the terms of the proposal have been carried out.

To be acceptable to the EPA, the performance schedule must include precise, measurable and timebounded performance indicators. Where it is appropriate for the investigation or other management to be done in stages, performance measures for each stage must be provided. EPA approval of later stages will be dependent on the completion and/or performance of earlier stages being demonstrated to the EPA's satisfaction.

1. Objectives of the proposal

The proposal is to undertake the remediation in the following phases:

- **Phase 1** - Enhanced In Situ Bioremediation (EISB): as detailed in **Sections 2b/P3** and **2c/P6.**
- **Phase 2** - EISB compliance monitoring: as detailed in **Section 2c/P7.**
- **Phase 3** - Boundary Remediation System (BRS) shutdown.
- **Phase 4** - BRS compliance monitoring: as detailed in **Section 2c/P8.**
- **Phase 5** - VMP closure.

In accordance with (AECOM, 2017), the main objectives of **Phase 1** are to achieve the following outcomes within the timeframes specified in the proposal:

> O1. Achieve contaminant source depletion by reducing the average dissolved plume mass of total TEX compounds in 12 groundwater wells located at the source area (IW01, MW10, MW12, MW13, MW18, MW301, MW306, MW308, MW312, MW314, MW315 and MW34D) to the extent practicable.
>
> O2. Reduce groundwater concentrations of each TEX compound in 5 compliance wells located at the down-gradient site boundary (MW23, MW40D, MW40S, MW41D and MW41S) to less than 1 mg/L.

The main objective of **Phase 2** is to achieve the following outcomes within the timeframes specified in the proposal:

O3. Confirm that no signs of rebound are observed after the completion of Phase 2, i.e. contaminant impacts at the target area should be showing stable or decreasing concentration values over time for sampling results reported after the last EISB injection event.

O4. Confirm that natural attenuation (NA) is still occurring at the target area after the completion of Phase 2.

The main objective of **Phase 4** is to achieve the following outcomes within the timeframes specified in the proposal:

O5. Confirm that all contaminant impacts at the down-gradient site boundary (MW23, MW40D, MW40S, MW41D and MW41S) are showing stable or decreasing concentration values over time for sampling results reported after BRS shutdown.

2. Principal features of the proposal

The principal features of the proposal include, but are not limited to:

a. Capital works

P1. Procurement of amendments (mass to be determined and presented in the EISB Work Plan) for injection into the target zone of the aquifer via the existing infrastructure (horizontal wells).

P2. Equipment/instrumentation costs involved in the conversion of the injection system from ISCO to EISB.

b. Remediation

P3. Injection of amendments. Details on the target amendment mass to be injected and the expected flow rates involved will be later calculated and presented in the EISB Work Plan (see deliverables in **Section 4** below).

P4. If the Phase 1 objectives (O1 and O2) and Phase 2 objectives (O3 and O4) are met, the BRS will be shut down and Phase 4 will start.

P5. If the Phase 4 objective (O5) is met, this VMP can be closed.

c. Monitoring

P6. Periodic[2] gauging and sampling of 23 locations (IW01, IW02, IW4D, MW05, MW09, MW10, MW12, MW13, MW15, MW16, MW18, MW23, MW301, MW306, MW308, MW309,

[2] Frequency to be later determined and presented in the EISB Work Plan (**Section 4/R2**).

MW312, MW314, MW315, MW32D, MW34D, MW40D, MW40S, MW41D and MW41S) during Phase 1 of the works.

P7. Triannual gauging and sampling of 23 locations (IW01, IW02, IW4D, MW05, MW09, MW10, MW12, MW13, MW15, MW16, MW18, MW23, MW301, MW306, MW308, MW309, MW312, MW314, MW315, MW32D, MW34D, MW40D, MW40S, MW41D and MW41S) during a period of 1 year (therefore a total of 3 groundwater monitoring events (GMEs)).

P8. Triannual gauging and sampling of 5 locations (MW23, MW40D, MW40S, MW41D and MW41S) during a period of 1 year (therefore a total of 3 GMEs).

3. Key milestones for investigation, remediation and other actions

All works set out in the proposal must be completed by the deadlines specified below:

Works	**Deadline**
T1. Approval of EISB Workplan	4 December 2020
T2. EISB Injections and Monitoring (Phase 1)	January 2025[3]
T3. EISB Compliance Monitoring (Phase 2)	January 2026
T4. BRS Shutdown (Phase 3)	January 2026
T5. BRS Compliance Monitoring (Phase 4)	January 2027
T6. VMP Closure (Phase 5)	May 2027

[3] For the purpose of this VMP, the duration of Phase 1 was estimated to be of 4 years. However, this might later change depending on the results obtained from the GMEs described in **Section 2/P6**.

4. Reporting requirements and timeframe for submission of reports

The EPA must be provided with the following reports by the deadlines specified below:

Report	Deadline
R1. Communication Action Plan, describing how relevant stakeholders will be informed about works detailed in this VMP. It also will include procedures on how to deal with complaints (replies, logging and resolution methods). This document will be issued as final after review and fully endorsement by the site auditor.	30 October 2020
R2. EISB Work Plan, containing details on the implementation of Phase 1 of the works, including total amendment mass to be injected, flow rates, duration and frequency of the events. It will also include performance indicators and remediation targets to be tracked. This document will be issued as final after review and fully endorsement by the site auditor.	4 December 2020
R3. Baseline EISB Monitoring Report, documenting baseline conditions of the aquifer, before the EISB program is started. This document will be issued as final after review and fully endorsement by the site auditor.	25 February 2021
R4. Biannual EISB Performance Reports, containing a summary of the EISB program performance to date, including accumulated amendment mass injected, operational details and analytical results obtained during the P6 monitoring events. They will also contain recommendations and associated rationale on whether the injection works should continue. These documents will be issued as final after review and fully endorsement by the site auditor.	27 August 2021 and every 6 months after that (total of up to 8 reports).
R5. Final EISB Program Report, containing a summary of the whole EISB program, including rationale on the transition to Phase 2. This document will be issued as final after review and full endorsement by the site auditor.	25 April 2025
R6. EISB Compliance GME Reports, containing analytical results obtained during the T3 period. The third and final of these GME reports will justify shutting down of BRS. This document will be issued as final after review and full endorsement by the site auditor.	11 June 2025 and every 4 months after that (total of 3 reports).
R7. BRS Compliance GME Reports, containing analytical results obtained during the T5 period. These documents will be issued as final after review and fully endorsement by the site auditor.	12 June 2026 and every 4 months after that (total of 3 reports).
R8. Final Remediation and VMP Closure Report. This document will be issued as final after review and fully endorsement by the site auditor.	7 May 2027.

Signature of proponent

This application for approval of this voluntary management proposal may only be signed by a person(s) with the legal authority to sign it. The various ways in which the application may be signed, and the people who may sign the application, are set out in the categories below.

Please tick (✓) the box next to the category that describes how this application is being signed.

If the proponent is:		The application must be signed and certified by one of the following:
an individual	☐	the individual
a company	☐	the common seal being affixed in accordance with the Corporations Act 2001, or
	☑	two directors, or
	☐	a director and a company secretary, or
	☐	if a proprietary company that has a sole director who is also the sole company secretary – by that director.
a public authority other than a council	☐	the chief executive officer of the public authority, or
	☐	by a person delegated to sign on the public authority's behalf in accordance with its legislation (Please note: a copy of the relevant instrument of delegation must be attached to this application).
a local council	☐	the general manager in accordance with s.377 of the Local Government Act 1993 ('LG Act'), or
	☐	the seal of the council being affixed in a manner authorised under the LG Act.

I/We (the proponent):

- ***apply for approval of the voluntary management proposal set out in this proposal and in any documents referred to in Part 1.4 of this proposal***
- ***declare that the information in this proposal form (including any attachment or document referred to in Part 1.4 of this proposal) is not false or misleading.***

Signature	Zel Medak	Signature	James Williams.
Name (printed)	Zel Medak	Name (printed)	James Williams
Position	DIRECTOR	Position	DIRECTOR
Date	16 Sept 2020	Date	16 Sept 2020

Seal (if signing under seal):

Allnex Resins Australia Pty Ltd
(ACN 000 045 572)
49-61 Stephen Rd
Botany, NSW, 2019
Locked Bag 6, Botany 1455

Telephone +61 2 9666 0331
Facsimile +61 2 9666 6661

Ben Livissianis

Unit Head Regulatory Operations – Metro South

NSW Environment Protection Authority

Locked Bag 5022

PARRAMATTA NSW 2124

9th December 2022

Also by email: RegOps.MetroRegulation@epa.nsw.gov.au

Dear Mr Livissianis,

Notification to EPA

Approved Voluntary Management Proposal No 20201720

Allnex Chemical Manufacturing Facility, 49 – 61 Stephen Road Botany NSW

As the EPA is aware, Allnex operates a chemical manufacturing facility at 49 – 61 Stephen Rd Botany. Allnex undertakes ongoing management and monitoring works pursuant to the Voluntary Management Proposal No 20201720 at our site.

Allnex recently engaged JBS&G to undertake additional monitoring and sampling on the site. This has resulted in detection of contaminants in testing wells, as described in the attached letter from JBS&G, outside of the current monitoring locations under the VMP.

As a result of the information in the letter from JBS&G, Allnex is, by this letter and the attachment, notifying the EPA of this information, pursuant to undertaking 12 in the VMP. The information in the letter regarding contaminants and locations is most likely information or data indicating a 'material change' in site conditions, or at least it is additional information regarding the extent or location of contamination on the site.

Allnex is continuing to examine the extent to which the existing remediation system, to which the VMP applies, may need to be augmented to address the information.

Furthermore, we understand that the EPA notification guidelines indicate that sites the subject of an existing management plan may not need to separately report contamination (under s60 *Contaminated Land Management Act*). We would appreciate confirmation from the EPA as to whether that is correct, and if not correct, please take this letter as an initial notification under s60.

Yours faithfully,

Anthony Borsovszky
Site Manager - Botany

JBS&G63638-148955
L03 (VMP Change in Conditions Notification - Allnex Botany) Rev B

8 December 2022

John Grimble
Partner
Dentons Australia Limited
Via email: john.grimble@dentons.com

Privileged and Confidential
DRAFT
Voluntary Management Proposal No. 20201720 - Notification of Changed Site Conditions
Allnex Chemical Manufacturing Facility, 49-61 Stephen Rd Botany NSW

Dear John,

JBS&G Australia Pty Ltd (JBS&G) was engaged by Dentons Australia Ltd on behalf of Allnex Resins Australia Pty Ltd (Allnex, the client) to undertake a Detailed Site Investigation (JBS&G 2022[1]) of the operational chemical manufacturing facility located at 49 to 61 Stephen Road, Botany, NSW (the site). The site location is shown on **Figure 1** in **Attachment 2**.

An approved Voluntary Management Proposal (VMP No. 20201720) is currently being implemented at the site to address the presence of toluene, ethylbenzene and total xylenes (TEX) in soil and groundwater.

The DSI included installation of eleven new groundwater monitoring wells (JBMW01 to JBMW11) and sampling and analysis of groundwater from the newly installed monitoring wells and twelve existing monitoring wells. The well locations are shown on **Figure 2** in **Attachment 2.** Groundwater analytical results are provided in **Table 1** in **Attachment 3**.

While elevated concentrations of some contaminants were identified in wells across the site, they were generally located within the current remediation area, characteristic of regional conditions or not significant with respect to offsite receptors. However, elevated concentrations of TEX and total recoverable hydrocarbons (TRH) were reported at JBMW07 in the southeast portion of the site that required additional assessment. Subsequently, two additional groundwater monitoring wells (JBMW11 and JBMW12) have been installed downgradient of JBMW07. While concentrations of TEX and TRH decrease/attenuate between JBMW07 and JBMW12/JBMW13 they remain higher than the adopted site assessment criteria.

Undertaking 12 of the VMP requires that the proponent (Allnex) notify the EPA in writing within 7 days of becoming aware of a material change in conditions at the site. The results of testing in the area of JBMW07 represent a material change in site conditions. As a result, JBS&G recommend that Allnex provide EPA a copy of this letter to notify them of the change in site conditions.

It is noted that JBS&G do not consider that there is a duty to report the change in site conditions under section 60 of the *Contaminated Land Management (CLM) Act*. This is based on Section 2.5 of the *Guidelines on the Duty to Report* (NSW EPA 2015) indicating that "*The duty to report is not*

[1] Limited Detailed Site Investigation 49 to 61 Stephen Road, Botany NSW, JBS&G Australia Pty Ltd, 63638/148593 (Rev 0), 18 November 2022 (JBS&G 2022)

intended to capture the notification of: ….. sites subject to a declaration, order or proposal under Part 3 of the CLM Act".

Should you require clarification, please contact the undersigned on 02 8245 0300 or by email jdemartin@jbsg.com.au.

Yours sincerely:

John De Martin
Principal
JBS&G Australia Pty Ltd

Reviewed/Approved by:

Dr Greg Dasey
Senior Principal Hydrogeologist
JBS&G Australia Pty Ltd

Attachments
1. Limitations
2. Figures
3. Tables

DRAFT

Attachment 1 – Limitations

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

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

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

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

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

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

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

DRAFT

Attachment 2 – Figures

DRAFT

Legend:

Approximate Site Boundary

JBS&G

Job No: 63638	
Client: Allnex	
Version: L02 Rev A	Date 1/12/2022
Drawn By: LJ	Checked By: JDM

Scale 1:40,000

0 400 800

metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

SITE LOCATION

FIGURE 1

File Name: N:\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\L02 Rev A\63638_StephenRoadBotany_L02_RevA.aprx
Reference: © OpenStreetMap (and) contributors, CC-BY-SA

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)

Sample Locations

- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
- Allnex/Orica Monitoring Well
- Sentinel Wells (Installed June 2017)

JBS&G

Job No: 63638	
Client: Allnex	
Version: L02 Rev A	Date 1/12/2022
Drawn By: LJ	Checked By: JDM
Scale 1:1,500	

0 15 30
metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

MONITORING WELL LOCATIONS

FIGURE 02

File Name: N:\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\L02 Rev A\63638_StephenRoadBotany_L02_RevA.aprx
Reference: Nearmap www.nearmap.com 20220928

Attachment 3 – Tables

DRAFT

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.0002	0.001	0.001	0.001	0.0001	0.001	0.005	0.02	0.05	0.1	0.1	0.1	0.02	0.05	0.1	0.1	0.1	0.02	0.05	0.001	0.001	0.001	0.001	0.002	0.003	0.01
ADWG (2011) Health - Updated March-2021	0.01	0.002	0.05	2	0.01	0.001	0.02														0.001	0.8	0.3	0.6	0.6	0.6	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	0.1	0.02	0.5	20	0.1	0.01	0.2														0.01	8	3	6	6	6	
ANZG (2018) Marine water 95% toxicant DGVs		0.0055	0.0044	0.0013	0.0044	0.0001*	0.07	0.008													0.7	0.18	0.08		0.075		0.07
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worker, Sand																											
2-4m														NL	NL						NL	NL	NL			NL	NL
4-8m														NL	NL						NL	NL	NL			NL	NL
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																											
2-4m																			6	NL	5	NL	NL			NL	NL
4-8m																			6	NL	5	NL	NL			NL	NL
PFAS NEMP 2020 Table 1 Health Recreational Water																											
PFAS NEMP 2020 Table 5 Interim marine 95%																											
PFAS NEMP 2020 Table 5 Interim marine 99%																											

Field_ID	Location_Code	Well	Sampled_Date_Time																									
JBMW01	JBMW01		3/11/2022	0.002	<0.0002	0.003	0.001	<0.001	<0.0001	0.001	<0.005	<0.2	0.57	2.1	0.2	2.87	0.48	0.22	2	<0.1	2.22	0.48	0.22	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
QA-GW01	JBMW01		1/11/2022	0.001	<0.0001	0.002	<0.001	<0.001	<0.00005	<0.001	0.002	<0.01	0.96	0.92	<0.1	1.9	<0.01	0.24	0.87	<0.1	1.1	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	-	-
QC-GW01	JBMW01		1/11/2022	0.001	<0.0002	0.004	0.001	<0.001	<0.0001	<0.001	<0.005	<0.02	0.5	1.7	0.1	2.3	0.89	0.23	1.6	<0.1	1.83	0.89	0.23	<0.001	<0.001	<0.001	<0.001	0.002	<0.003	<0.01
JBMW02	JBMW02		4/11/2022	0.001	<0.0002	0.005	0.001	<0.001	<0.0001	0.002	0.007	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW03	JBMW03		4/11/2022	0.041	<0.0002	0.016	0.007	0.015	<0.0001	0.012	0.009	6.4	8.7	5.9	0.3	14.9	8.5	8.2	4.8	<0.1	13	6.9	7.77	0.01	0.051	0.56	0.19	0.79	0.97	0.43
JBMW04	JBMW04		4/11/2022	0.002	<0.0002	0.021	0.002	<0.001	<0.0001	0.002	0.006	<0.02	<0.05	0.3	<0.1	0.3	<0.02	0.1	0.3	<0.1	0.4	<0.02	0.1	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW05	JBMW05		4/11/2022	0.014	<0.0002	0.016	<0.001	0.002	<0.0001	0.002	0.006	6.9	1.3	<0.1	<0.1	1.3	10	0.96	<0.1	<0.1	0.96	5.4	0.96	<0.025	<0.025	3.2	0.05	1.4	1.4	<0.25
JBMW06	JBMW06		1/11/2022	0.029	0.0003	0.085	0.004	0.008	0.0013	0.005	0.071	5	12	6.5	0.3	18.8	6.7	12	5.1	0.1	17.2	3.3	11.91	0.07	1.4	0.76	0.32	0.87	1.2	0.09
JBMW07	JBMW07		1/11/2022	0.004	<0.0002	0.012	0.002	0.001	0.0003	0.001	0.007	39	27	11	1.4	39.4	59	19	10	0.3	29.3	40	18.92	0.66	13	1.2	1.9	2.3	4.3	0.08
JBMW08	JBMW08		1/11/2022	0.002	<0.0002	0.015	0.003	0.012	0.0001	0.003	0.022	<0.02	0.14	0.5	0.2	0.84	<0.02	0.14	0.6	0.1	0.84	<0.02	0.14	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW09	JBMW09		1/11/2022	<0.001	<0.0002	0.003	0.002	<0.001	<0.0001	0.002	<0.005	<0.02	0.05	0.3	<0.1	0.35	<0.02	0.05	0.4	<0.1	0.45	<0.02	0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW10	JBMW10		1/11/2022	0.003	<0.0002	0.007	0.003	0.006	<0.0001	0.002	0.007	<0.02	<0.05	0.2	<0.1	0.2	<0.02	<0.05	0.2	<0.1	0.2	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW11	JBMW11		1/11/2022	0.001	<0.0002	0.003	0.002	0.002	<0.0001	0.002	0.012	<0.02	<0.05	0.1	<0.1	0.1	<0.02	<0.05	0.1	<0.1	0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW03/WG229S	MW03/WG229S		1/11/2022	0.006	<0.0002	0.007	0.007	0.004	<0.0001	0.003	0.011	0.96	2.2	3	0.4	5.6	1.3	2.6	2.7	0.2	5.5	0.9	2.6	<0.001	<0.001	0.001	<0.001	0.4	0.4	<0.01
QA-GW02	MW03/WG229S		2/11/2022	0.004	<0.0001	0.006	0.005	0.003	<0.00005	0.002	0.015	1.6	2.3	2.4	<0.1	4.7	2.2	2.9	1.7	<0.1	4.5	-	-	<0.01	<0.01	<0.01	<0.01	0.61	-	-
QC-GW02	MW03/WG229S		2/11/2022	0.004	<0.0002	0.007	0.008	0.004	<0.0001	0.003	0.015	1.2	2.1	2.7	0.3	5.1	1.5	2.4	2.3	0.2	4.9	1	2.4	<0.001	<0.001	0.002	<0.001	0.5	0.5	<0.01
MW05	MW05		4/11/2022	<0.001	<0.0002	0.005	0.002	<0.001	<0.0001	0.003	0.011	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW09	MW09		3/11/2022	<0.001	<0.0002	0.001	0.007	0.004	<0.0001	0.001	0.21	3.8	2.2	0.9	0.2	3.3	7.3	2.2	0.9	<0.1	3.1	3	2.2	<0.001	<0.001	0.2	1.8	2.3	4.1	<0.01
MW10	MW10		4/11/2022	0.003	<0.0002	0.006	0.003	<0.001	<0.0001	0.003	0.005	11	0.28	0.1	<0.1	0.38	14	0.24	0.1	<0.1	0.34	7.1	0.24	<0.01	0.095	2.8	1.1	2.9	4	<0.1
MW11	MW11		4/11/2022	<0.001	<0.0002	0.005	0.002	<0.001	<0.0001	0.002	0.017	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW12	MW12		3/11/2022	0.003	<0.0002	0.002	<0.001	0.001	<0.0001	<0.001	<0.005	0.33	5.4	4	0.2	9.6	0.97	8.1	1.7	<0.1	9.8	0.68	8.1	<0.001	0.006	0.021	0.17	0.098	0.26	<0.01
MW13	MW13		3/11/2022	<0.001	<0.0002	<0.001	0.001	<0.001	<0.0001	<0.001	<0.005	<0.02	<0.05	0.1	<0.1	0.1	<0.02	<0.05	0.2	<0.1	0.2	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW18	MW18		3/11/2022	0.002	<0.0002	0.002	0.002	0.003	<0.0001	0.001	0.005	35	4.9	0.7	0.1	5.7	54	1.9	0.6	<0.1	2.5	27	1.71	<0.001	2.9	1.4	7.3	15	22	0.19
MW312	MW312		4/11/2022	0.002	<0.0002	0.006	0.001	<0.001	<0.0001	0.003	0.01	0.41	<0.05	<0.1	<0.1	<0.1	0.61	<0.05	<0.1	<0.1	<0.1	0.36	<0.05	<0.001	0.034	0.046	0.08	0.094	0.17	0.03
MW40S	MW40S		1/11/2022	0.002	<0.0002	0.008	0.002	0.002	<0.0001	0.019	0.016	2.6	4.8	1.4	0.2	6.4	4.8	5.1	1	<0.1	6.1	3.3	5.06	<0.001	0.28	0.33	0.4	0.54	0.94	0.04
MW41S	MW41S		1/11/2022	0.003	<0.0002	0.009	0.017	0.007	<0.0001	0.006	0.08	8.7	7.1	2.7	0.3	10.1	14	6.5	2.2	0.1	8.8	8.7	6.5	0.002	2	0.45	1.4	1.4	2.8	<0.01
WG233S	WG233S		1/11/2022	0.004	<0.0002	0.001	<0.001	<0.001	<0.0001	<0.001	<0.005	0.07	0.06	0.2	<0.1	0.26	0.07	0.08	0.3	<0.1	0.38	0.07	0.08	0.004	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	8.1	1.5	0.7	<0.1	2.2	8.3	0.96	0.5	<0.1	1.46	2.5	0.95	0.86	4.5	0.17	0.04	0.2	0.24	0.01
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	11	7.7	2.2	0.2	10.1	12	6.8	1.7	0.1	8.6	3.3	6.78	0.69	5.1	1.3	0.46	1.2	1.7	0.02

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	PAH																				
	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	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	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of 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	mg/L	mg/L	mg/L	mg/L
EQL	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
ADWG (2011) Health - Updated March-2021								0.00001													
ADWG (2011) Health x 10 (Recreational) - Updated March-2021								0.0001													
ANZG (2018) Marine water 95% toxicant DGVs						0.00001*		0.0001							0.001			0.07	0.0006*		
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																					
2-4m																		NL			
4-8m																		NL			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																					
2-4m																		NL			
4-8m																		NL			
PFAS NEMP 2020 Table 1 Health Recreational Water																					
PFAS NEMP 2020 Table 5 Interim marine 95%																					
PFAS NEMP 2020 Table 5 Interim marine 99%																					

Field_ID	Location_Code	Well	Sampled_Date_Time																			
JBMW01	JBMW01		3/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
QA-GW01	JBMW01		1/11/2022	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0
QC-GW01	JBMW01		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW02	JBMW02		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW03	JBMW03		4/11/2022	0.06	<0.005	<0.005	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	0.071	0.002	<0.001	0.077
JBMW04	JBMW04		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW05	JBMW05		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	<0.001	<0.001	0.015
JBMW06	JBMW06		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.052	<0.001	<0.001	0.052
JBMW07	JBMW07		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.1	<0.001	<0.001	<0.1
JBMW08	JBMW08		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW09	JBMW09		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW10	JBMW10		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW11	JBMW11		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW03/WG229S	MW03/WG229S		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01
QA-GW02	MW03/WG229S		2/11/2022	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	0.004
QC-GW02	MW03/WG229S		2/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	0.004
MW05	MW05		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW09	MW09		3/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001
MW10	MW10		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001
MW11	MW11		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW12	MW12		3/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01
MW13	MW13		3/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW18	MW18		3/11/2022	0.008	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.12	<0.001	<0.001	0.12
MW312	MW312		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW40S	MW40S		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001
MW41S	MW41S		1/11/2022	<0.01	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.073	<0.001	<0.001	0.073
WG233S	WG233S		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Organochlorine Pesticides																					
	Pentachlorophenol	4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane			DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor
	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	mg/L	mg/L	mg/L	mg/L
EQL	0.01	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002			0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
ADWG (2011) Health - Updated March-2021	0.01					0.01	0.0003	0.0003	0.0003	0.002			0.009									0.0003
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	0.1					0.1	0.003	0.003	0.003	0.02			0.09									0.003
ANZG (2018) Marine water 95% toxicant DGVs	0.022																		0.000008			
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																						
2-4m																						
4-8m																						
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																						
2-4m																						
4-8m																						
PFAS NEMP 2020 Table 1 Health Recreational Water																						
PFAS NEMP 2020 Table 5 Interim marine 95%																						
PFAS NEMP 2020 Table 5 Interim marine 99%																						
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																				
JBMW01	JBMW01		3/11/2022	<0.01	<0.0002	.005 - 0.00	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
QA-GW01	JBMW01		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-	-	<0.0002	<0.0002	<0.0002	-	<0.0002	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.002	<0.0002
QC-GW01	JBMW01		1/11/2022	<0.01	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW02	JBMW02		4/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW03	JBMW03		4/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW04	JBMW04		4/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW05	JBMW05		4/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW06	JBMW06		1/11/2022	<0.01	<0.0002	.005 - 0.00	<0.0002	.005 - 0.00	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW07	JBMW07		1/11/2022	<0.01	<0.002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	.005 - 0.000	0.0002	<0.002	-	-	<0.02	<0.05	<0.05	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW08	JBMW08		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW09	JBMW09		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW10	JBMW10		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	.005 - 0.000	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW11	JBMW11		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW03/WG229S	MW03/WG229S		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
QA-GW02	MW03/WG229S		2/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-	-	<0.0002	<0.0002	<0.0002	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002
QC-GW02	MW03/WG229S		2/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW05	MW05		4/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW09	MW09		3/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW10	MW10		4/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW11	MW11		4/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW12	MW12		3/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW13	MW13		3/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW18	MW18		3/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW312	MW312		4/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW40S	MW40S		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW41S	MW41S		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
WG233S	WG233S		1/11/2022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Chlorinated Alkanes																Chlorinated Alkenes									
				Heptachlor Epoxide	Methoxychlor	Toxaphene	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Hexachloroethane	Trichlorofluoromethane	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene
				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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				0.0002	0.0002	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001
ADWG (2011) Health - Updated March-2021					0.3								0.003				0.003				0.004			0.03					0.05	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021					3								0.03				0.03				0.04			0.3					0.5	
ANZG (2018) Marine water 95% toxicant DGVs								0.27	0.4	1.9			1.9	0.9	1.1		0.24				4			0.7					0.07	
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																														
2-4m																														
4-8m																														
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																														
2-4m																														
4-8m																														
PFAS NEMP 2020 Table 1 Health Recreational Water																														
PFAS NEMP 2020 Table 5 Interim marine 95%																														
PFAS NEMP 2020 Table 5 Interim marine 99%																														
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																												
JBMW01	JBMW01		3/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
QA-GW01	JBMW01		1/11/2022	<0.0002	<0.0002	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	-	<0.002	<0.01	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001
QC-GW01	JBMW01		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW02	JBMW02		4/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW03	JBMW03		4/11/2022	<0.0002	<0.0002	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.005	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JBMW04	JBMW04		4/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW05	JBMW05		4/11/2022	<0.0002	<0.0002	<0.005	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.125	<0.125	<0.125	<0.125	<0.005	<0.125	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
JBMW06	JBMW06		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001
JBMW07	JBMW07		1/11/2022	<0.0002	<0.0005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.003	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	0.01	<0.001	0.004	<0.001
JBMW08	JBMW08		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW09	JBMW09		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW10	JBMW10		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW11	JBMW11		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW03/WG229S	MW03/WG229S		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
QA-GW02	MW03/WG229S		2/11/2022	<0.0002	<0.0002	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	-	<0.002	<0.1	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01
QC-GW02	MW03/WG229S		2/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW05	MW05		4/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW09	MW09		3/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW10	MW10		4/11/2022	<0.0002	<0.0002	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.005	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW11	MW11		4/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
MW12	MW12		3/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW13	MW13		3/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW18	MW18		3/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW312	MW312		4/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW40S	MW40S		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW41S	MW41S		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
WG233S	WG233S		1/11/2022	<0.0002	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	0.006	<0.001	0.021	<0.001	<0.001	0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.001	<0.001	0.028	<0.001	<0.001	0.003
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Semivolatile Organic Compounds																					VOC	Solvents						
	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	1-Chloronaphthalene	2-Chloronaphthalene	Bis(2-chloroethoxy) methane	Dibenz(a,j)acridine	Acetophenone	Bis(2-chloroisopropyl) ether	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	2,6-dinitrotoluene	2-Picoline	4-Aminobiphenyl	N-Nitrosopiperidine	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-Naphthylamine	2-Naphthylamine	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	Diphenylamine	Butyl benzyl phthalate	Dibenzofuran	Isobutanol		1-Butanol	Methanol
	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L
EQL	0.001	0.001	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	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.05		0.05	0.5
ADWG (2011) Health - Updated March-2021			0.0003																									
ADWG (2011) Health x 10 (Recreational) - Updated March-2021			0.003																									
ANZG (2018) Marine water 95% toxicant DGVs		0.33	0.1																									
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																												
2-4m																												
4-8m																												
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																												
2-4m																												
4-8m																												
PFAS NEMP 2020 Table 1 Health Recreational Water																												
PFAS NEMP 2020 Table 5 Interim marine 95%																												
PFAS NEMP 2020 Table 5 Interim marine 99%																												

Field_ID	Location_Code	Well	Sampled_Date_Time																											
JBMW01	JBMW01		3/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.05	<0.5
QA-GW01	JBMW01		1/11/2022	<0.001	<0.001	<0.01	-	<0.002	<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	<0.05	<0.01	-	<0.2
QC-GW01	JBMW01		1/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW02	JBMW02		4/11/2022	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW03	JBMW03		4/11/2022	<0.01	<0.01	<0.05	<0.005	<0.005	<0.005	<0.005	0.075	<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	<0.005	<0.05	-	<0.05	<0.5
JBMW04	JBMW04		4/11/2022	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW05	JBMW05		4/11/2022	<0.025	<0.025	<0.125	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW06	JBMW06		1/11/2022	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW07	JBMW07		1/11/2022	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	0.054	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW08	JBMW08		1/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW09	JBMW09		1/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW10	JBMW10		1/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW11	JBMW11		1/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW03/WG229S	MW03/WG229S		1/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
QA-GW02	MW03/WG229S		2/11/2022	<0.01	<0.01	<0.1	-	<0.002	<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	<0.05	<0.01	-	<0.2
QC-GW02	MW03/WG229S		2/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW05	MW05		4/11/2022	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW09	MW09		3/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW10	MW10		4/11/2022	<0.01	<0.01	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW11	MW11		4/11/2022	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW12	MW12		3/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW13	MW13		3/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW18	MW18		3/11/2022	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	0.029	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW312	MW312		4/11/2022	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW40S	MW40S		1/11/2022	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
MW41S	MW41S		1/11/2022	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	0.034	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
WG233S	WG233S		1/11/2022	<0.001	0.007	0.028	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	-	<0.05	<0.5
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Phenols																								
	Acetone	2-Ethyl Hexyl Acrylate	Methyl Methacrylate	Benzyl chloride	2,3,4,6-tetrachlorophenol	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	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-Chloro-3-Methylphenol	4-nitrophenol	Cresol Total	Phenol	Tetrachlorophenols	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)
	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.005	0.1	1	0.005	0.01	0.01	0.01	0.003	0.003	0.03	0.003	0.003	0.003	0.01	0.006	0.03	0.1	0.01	0.03	0.01	0.003	0.03	0.01	0.1
ADWG (2011) Health - Updated March-2021	14						0.02	0.2				0.3												
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	140						0.2	2				3												
ANZG (2018) Marine water 95% toxicant DGVs																					0.4			
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																								
2-4m																								
4-8m																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																								
2-4m																								
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PFAS NEMP 2020 Table 1 Health Recreational Water																								
PFAS NEMP 2020 Table 5 Interim marine 95%																								
PFAS NEMP 2020 Table 5 Interim marine 99%																								

Field_ID	Location_Code	Well	Sampled_Date_Time																						
JBMW01	JBMW01		3/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
QA-GW01	JBMW01		1/11/2022	-	-	-	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.002	<0.002	<0.002	<0.002	<0.004	<0.02	-	<0.01	<0.02	-	<0.002	-	-	-
QC-GW01	JBMW01		1/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
JBMW02	JBMW02		4/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01	<0.1
JBMW03	JBMW03		4/11/2022	5.8	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.14	<0.03	<0.003	<0.003	0.084	<0.01	0.18	<0.03	<0.1	<0.01	<0.03	0.26	0.52	<0.03	<0.01	1.184
JBMW04	JBMW04		4/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01	<0.1
JBMW05	JBMW05		4/11/2022	<0.125	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01	<0.1
JBMW06	JBMW06		1/11/2022	0.39	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.05	<0.03	<0.003	<0.003	0.085	<0.01	<0.2	<0.03	<0.1	<0.01	<0.1	<0.2	0.029	<0.03	<0.01	<0.2
JBMW07	JBMW07		1/11/2022	0.36	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.34	<0.03	<0.003	<0.003	0.27	<0.01	<0.2	<0.03	<0.1	<0.01	<0.1	0.3	0.045	<0.03	<0.01	0.955
JBMW08	JBMW08		1/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
JBMW09	JBMW09		1/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
JBMW10	JBMW10		1/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
JBMW11	JBMW11		1/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
MW03/WG229S	MW03/WG229S		1/11/2022	0.015	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.02	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
QA-GW02	MW03/WG229S		2/11/2022	-	-	-	-	<0.002	<0.002	<0.002	<0.002	0.003	<0.02	<0.002	<0.002	<0.002	<0.002	<0.004	<0.02	-	<0.01	<0.02	-	<0.002	-	-	-
QC-GW02	MW03/WG229S		2/11/2022	0.009	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.01	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
MW05	MW05		4/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01	<0.1
MW09	MW09		3/11/2022	0.011	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.33	<0.03	<0.003	<0.003	0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	0.333
MW10	MW10		4/11/2022	<0.05	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.025	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01	<0.1
MW11	MW11		4/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01	<0.1
MW12	MW12		3/11/2022	0.031	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.01	<0.03	<0.003	<0.003	0.01	<0.01	<0.1	<0.03	<0.1	<0.01	<0.1	<0.1	0.015	<0.03	<0.01	<0.1
MW13	MW13		3/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
MW18	MW18		3/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.05	<0.03	<0.003	<0.003	0.004	<0.01	<0.05	<0.03	<0.1	<0.01	<0.1	<0.05	0.004	<0.03	<0.01	<0.1
MW312	MW312		4/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01	<0.1
MW40S	MW40S		1/11/2022	0.11	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.17	<0.03	<0.003	<0.003	0.008	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	0.178
MW41S	MW41S		1/11/2022	0.056	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	0.03	<0.01	<0.1	<0.03	<0.1	<0.01	<0.1	<0.1	0.008	<0.03	<0.01	<0.1
WG233S	WG233S		1/11/2022	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01	<0.1
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	PFAS																														
	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnD	Perfluorododecanoic acid (PFDoD	Perfluorotridecanoic acid (PFTrD	Perfluorotetradecanoic acid (PFT	Perfluorooctane sulfonamide (FC	N-Methyl perfluorooctane sulfon	N-Ethyl perfluorooctane sulfonar	N-Methylperfluorooctanesulfona	N-ethylperfluorooctanesulfonam	N-methylperfluorooctane sulfona	N-ethyl-perfluorooctanesulfonan	Perfluoropropanesulfonic acid (P	Perfluorobutanesulfonic acid (PF	Perfluoropentanesulfonic acid (P	Perfluorohexanesulfonic acid (PF	Perfluoroheptane sulfonic acid (F	Perfluorooctanesulfonic acid (PF	Perfluorononanesulfonic acid (PF	Perfluorodecanesulfonic acid (PF	1H,1H,2H,2H-perfluorohexanesul	1H,1H,2H,2H-perfluorooctanesul	1H,1H,2H,2H-perfluorodecanesul	1H,1H,2H,2H-perfluorododecane	Sum of PFHxS and PFOS
	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
EQL	0.05	0.01	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.01	0.01	0.01
ADWG (2011) Health - Updated March-2021					0.56																										0.07
ADWG (2011) Health x 10 (Recreational) - Updated March-2021					5.6																										
ANZG (2018) Marine water 95% toxicant DGVs																															
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																															
2-4m																															
4-8m																															
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																															
2-4m																															
4-8m																															
PFAS NEMP 2020 Table 1 Health Recreational Water					10																		2		2						2
PFAS NEMP 2020 Table 5 Interim marine 95%					220																				0.13						
PFAS NEMP 2020 Table 5 Interim marine 99%					19																			0.00023							

Field_ID	Location_Code	Well	Sampled_Date_Time																														
JBMW01	JBMW01		3/11/2022	<0.05	0.24	0.08	0.05	0.02	<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	0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.02
QA-GW01	JBMW01		1/11/2022	<0.02	0.28	0.11	0.07	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	-	<0.01	<0.01	<0.01	<0.01	0.02	-	<0.02	<0.01	<0.01	<0.02	<0.02	0.02
QC-GW01	JBMW01		1/11/2022	<0.05	0.23	0.08	0.04	0.02	<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	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.01
JBMW02	JBMW02		4/11/2022	<0.05	0.13	0.08	0.04	0.02	<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	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.53	<0.01	<0.01	0.01
JBMW03	JBMW03		4/11/2022	<0.5	3.4	2.1	2.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	0.2	<0.1	0.1	<0.1	<0.1	<0.1	1.8	<0.1	<0.1	0.3
JBMW04	JBMW04		4/11/2022	<0.05	0.07	0.07	0.03	0.02	<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	<0.01	<0.01	0.05	0.01	0.64	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.69
JBMW05	JBMW05		4/11/2022	<0.5	0.25	0.25	0.23	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.11
JBMW06	JBMW06		1/11/2022	0.25	1.9	1.1	0.08	0.03	<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	<0.01	<0.01	0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.83	0.05	<0.01	0.07
JBMW07	JBMW07		1/11/2022	<0.05	0.03	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	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.01
JBMW08	JBMW08		1/11/2022	0.07	0.24	0.09	0.04	<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	<0.01	<0.01	0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.03
JBMW09	JBMW09		1/11/2022	0.51	3.3	1.7	1.3	0.28	0.02	<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	<0.01	<0.01	0.02	<0.01	0.04	<0.01	<0.01	<0.01	15	<0.01	<0.01	0.06
JBMW10	JBMW10		1/11/2022	<0.05	0.17	0.08	0.03	<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	<0.01	<0.01	0.02	<0.01	0.19	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.21
JBMW11	JBMW11		1/11/2022	<0.05	0.02	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	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.05
MW03/WG229S	MW03/WG229S		1/11/2022	0.42	3	1.2	0.53	0.19	0.09	<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	<0.01	<0.01	0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.98	0.06	<0.01	0.07
QA-GW02	MW03/WG229S		2/11/2022	0.54	3.4	1.5	0.74	0.25	0.12	<0.02	<0.02	<0.05	<0.1	<0.5	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	-	<0.01	<0.01	0.02	<0.01	0.06	-	<0.02	<0.01	1.2	0.08	<0.02	0.08
QC-GW02	MW03/WG229S		2/11/2022	0.41	2.9	1.2	0.55	0.18	0.09	<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	<0.01	<0.01	0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.89	0.05	<0.01	0.07
MW05	MW05		4/11/2022	<0.05	0.02	0.01	0.02	0.02	<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	<0.01	<0.01	0.08	0.01	0.11	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.19
MW09	MW09		3/11/2022	0.21	1.1	0.54	0.61	<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	<0.01	<0.01	0.4	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	0.4
MW10	MW10		4/11/2022	<0.5	0.59	0.69	0.25	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.7	<0.1	<0.1	<0.1
MW11	MW11		4/11/2022	<0.5	<0.1	<0.1	0.16	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	0.12	<0.1	0.22	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.34
MW12	MW12		3/11/2022	0.09	0.29	0.14	0.08	0.02	<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	<0.01	<0.01	0.07	<0.01	0.03	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.1
MW13	MW13		3/11/2022	0.47	2.4	1.1	0.22	0.07	<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	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	3.6	<0.01	<0.01	0.02
MW18	MW18		3/11/2022	0.51	3.5	2.9	0.52	0.4	0.16	<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	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	15	0.02	<0.01	0.02
MW312	MW312		4/11/2022	<0.5	0.17	<0.1	0.15	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
MW40S	MW40S		1/11/2022	<0.05	0.19	0.11	0.06	0.03	<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	<0.01	<0.01	0.04	<0.01	0.36	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.4
MW41S	MW41S		1/11/2022	0.36	0.1	0.05	0.03	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	<0.01	<0.01	0.02	<0.01	0.03	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.05
WG233S	WG233S		1/11/2022	<0.05	0.07	0.05	0.03	0.03	<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	<0.01	<0.01	0.07	<0.01	0.21	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	0.28
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes											
	Sum of enHealth PFAS (PFHxS + P	Sum of US EPA PFAS (PFOS + PFO	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene		Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3,4-tetrachlorobenzene	1,2,3,5-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3,5-trichlorobenzene
	µg/L	µg/L	UG/L	µg/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	mg/L	mg/L	mg/L	mg/L
EQL	0.01	0.01	0.05	0.1	0.001	0.001		0.001	0.003	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.005
ADWG (2011) Health - Updated March-2021								0.03				0.001	0.001										1.5	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021								0.3				0.01	0.01										15	
ANZG (2018) Marine water 95% toxicant DGVs											0.03							0.004	0.005		0.005	0.08		0.013
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																								
2-4m																								
4-8m																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																								
2-4m																								
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PFAS NEMP 2020 Table 1 Health Recreational Water																								
PFAS NEMP 2020 Table 5 Interim marine 95%																								
PFAS NEMP 2020 Table 5 Interim marine 99%																								

Field_ID	Location_Code	Well	Sampled_Date_Time																							
JBMW01	JBMW01		3/11/2022	0.04	0.04	0.42	0.42	0.46	0.1	-	<0.001	0.01	<0.001	0.01	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
QA-GW01	JBMW01		1/11/2022	-	0.05	-	0.51	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.01	<0.001	-	-	-	-	<0.001	<0.002	<0.001	<0.001	-
QC-GW01	JBMW01		1/11/2022	0.03	0.03	0.38	0.38	0.51	0.1	-	<0.001	0.01	<0.001	0.008	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
JBMW02	JBMW02		4/11/2022	0.03	0.03	0.81	0.81	<0.001	<0.001	-	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
JBMW03	JBMW03		4/11/2022	<0.5	<0.5	10.1	10.1	0.25	0.086	-	<0.01	1.684	<0.01	0.083	<0.01	<0.05	<0.01	<0.01	9.7	2.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW04	JBMW04		4/11/2022	0.71	0.66	0.88	0.89	<0.001	<0.001	-	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
JBMW05	JBMW05		4/11/2022	<0.5	<0.5	0.84	0.84	0.57	0.17	-	<0.025	5.18	<0.025	0.53	<0.025	<0.125	<0.025	<0.025	<0.125	<0.125	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW06	JBMW06		1/11/2022	0.1	0.09	4.31	4.31	0.51	0.1	-	<0.001	3.479	<0.001	0.059	<0.001	<0.005	<0.001	<0.001	0.04	0.015	<0.005	<0.005	<0.005	<0.005	<0.005	0.01 - 0.01	<0.005
JBMW07	JBMW07		1/11/2022	0.01	0.01	0.05	<0.1	5.8	1.8	-	0.003	19.233	<0.001	0.17	<0.001	<0.005	<0.001	<0.001	<0.005	0.019	<0.005	<0.005	<0.005	<0.005	<0.005	0.05 - 0.04	<0.005
JBMW08	JBMW08		1/11/2022	0.03	0.02	0.47	0.47	<0.001	<0.001	-	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
JBMW09	JBMW09		1/11/2022	0.34	0.32	22.15	22.17	<0.001	<0.001	-	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
JBMW10	JBMW10		1/11/2022	0.21	0.19	0.49	0.49	0.001	<0.001	-	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
JBMW11	JBMW11		1/11/2022	0.05	0.05	0.08	<0.1	<0.001	<0.001	-	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW03/WG229S	MW03/WG229S		1/11/2022	0.26	0.25	6.45	6.54	0.15	0.04	-	<0.001	0.44	<0.001	0.039	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
QA-GW02	MW03/WG229S		2/11/2022	-	0.3	-	8	0.2	0.048	0.081	<0.01	-	<0.01	0.055	<0.01	<0.1	<0.01	-	-	-	-	<0.01	<0.002	<0.002	<0.002	-
QC-GW02	MW03/WG229S		2/11/2022	0.25	0.24	6.25	6.34	0.18	0.049	-	<0.001	0.553	<0.001	0.051	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW05	MW05		4/11/2022	0.21	0.13	0.26	0.27	0.004	<0.001	-	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW09	MW09		3/11/2022	0.4	<0.01	2.96	2.96	0.011	0.008	-	<0.001	4.302	<0.001	0.002	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW10	MW10		4/11/2022	<0.5	<0.5	3.23	3.23	0.37	0.14	-	<0.01	6.943	<0.01	0.048	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW11	MW11		4/11/2022	<0.5	<0.5	0.5	0.5	<0.001	<0.001	-	<0.001	<0.003	<0.001	0.002	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW12	MW12		3/11/2022	0.12	0.05	0.72	0.72	0.12	0.03	-	<0.001	0.301	<0.001	0.006	<0.001	<0.005	<0.001	<0.001	<0.005	0.009	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW13	MW13		3/11/2022	0.09	0.07	7.88	7.88	<0.001	<0.001	-	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW18	MW18		3/11/2022	0.42	0.42	22.87	23.03	2.4	0.67	-	0.21	26.864	<0.001	0.054	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW312	MW312		4/11/2022	<0.5	<0.5	<0.5	<0.5	0.019	0.007	-	0.002	0.258	<0.001	0.002	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW40S	MW40S		1/11/2022	0.43	0.39	0.79	0.79	0.37	0.23	-	0.011	1.571	0.002	0.01	<0.001	<0.005	<0.001	<0.001	<0.005	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
MW41S	MW41S		1/11/2022	0.06	0.04	0.6	0.6	<0.001	<0.001	-	<0.001	5.265	0.001	0.013	<0.001	<0.005	<0.001	<0.001	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
WG233S	WG233S		1/11/2022	0.31	0.24	0.51	0.51	<0.001	<0.001	-	<0.001	0.004	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Trihalomethanes				Acrylates		Herbicides & Fungicides			Phthalates					Nitrobenzenes		Nitrotoluenes	Anilines			Organic Alcohols					
	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Butyl Acrylate	Methyl acrylate	Dinoseb	Pronamide	Trifluralin	Bis(2-ethylhexyl) phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Nitrobenzene	Pentachloronitrobenzene	2,4-dinitrotoluene	2-Nitroaniline	Aniline	Carbon disulfide	1-Propanol
	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.001	0.001	0.0002	0.005	0.001	0.005	0.001	0.001	0.25	1	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.05
ADWG (2011) Health - Updated March-2021		0.04	0.3										0.07	0.09	0.01						0.03					
ADWG (2011) Health x 10 (Recreational) - Updated March-2021		0.4	3										0.7	0.9	0.1						0.3					
ANZG (2018) Marine water 95% toxicant DGVs			0.055	0.0001	0.002		0.77																			
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																										
2-4m																										
4-8m																										
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																										
2-4m																										
4-8m																										
PFAS NEMP 2020 Table 1 Health Recreational Water																										
PFAS NEMP 2020 Table 5 Interim marine 95%																										
PFAS NEMP 2020 Table 5 Interim marine 99%																										

Field_ID	Location_Code	Well	Sampled_Date_Time																									
JBMW01	JBMW01		3/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
QA-GW01	JBMW01		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.002	<0.001	<0.001	<0.001	<0.001	-	-	<0.01	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	-	<0.005	<0.005	-	<0.05
QC-GW01	JBMW01		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW02	JBMW02		4/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	0.014	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW03	JBMW03		4/11/2022	<0.005	<0.005	<0.01	<0.0002	<0.005	<0.01	<0.01	<0.01	<0.01	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05
JBMW04	JBMW04		4/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW05	JBMW05		4/11/2022	<0.005	<0.005	<0.025	<0.0002	<0.005	<0.025	<0.025	<0.025	<0.025	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.025	<0.05
JBMW06	JBMW06		1/11/2022	<0.001	0.005 - 0.0	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW07	JBMW07		1/11/2022	<0.001	0.005 - 0.0	0.002	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW08	JBMW08		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW09	JBMW09		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW10	JBMW10		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW11	JBMW11		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW03/WG229S	MW03/WG229S		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
QA-GW02	MW03/WG229S		2/11/2022	<0.002	<0.002	<0.01	<0.0002	<0.002	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	-	<0.005	<0.005	-	<0.05
QC-GW02	MW03/WG229S		2/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW05	MW05		4/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW09	MW09		3/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW10	MW10		4/11/2022	<0.005	<0.005	<0.01	<0.0002	<0.005	<0.01	<0.01	<0.01	<0.01	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05
MW11	MW11		4/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW12	MW12		3/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW13	MW13		3/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW18	MW18		3/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW312	MW312		4/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	0.001	<0.05
MW40S	MW40S		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
MW41S	MW41S		1/11/2022	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
WG233S	WG233S		1/11/2022	<0.001	<0.001	0.002	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.05
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Table A - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

			EPA VIC - IWRG621				lorinated Hydrocarbo		Glycols		NA					
	2-Propanol	Ethanol	Ethylene glycol	Propylene glycol	Formaldehyde	Chlorinated Hydrocarbons EPAVi	Other Chlorinated Hydrocarbons	Organochlorine Pesticides EPAVi	Other Organochlorine Pesticides	Hexachlorocyclopentadiene	Hexachlorobutadiene	Diethylene glycol	Triethylene Glycol	Ethyl acrylate
	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
EQL	0.05	0.05	20	20	0.2	0.005	0.005	0.002	0.002	0.005	0.005	20	20	1
ADWG (2011) Health - Updated March-2021					0.5						0.0007			
ADWG (2011) Health x 10 (Recreational) - Updated March-2021					5						0.007			
ANZG (2018) Marine water 95% toxicant DGVs														
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worker														
2-4m														
4-8m														
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand														
2-4m														
4-8m														
PFAS NEMP 2020 Table 1 Health Recreational Water														
PFAS NEMP 2020 Table 5 Interim marine 95%														
PFAS NEMP 2020 Table 5 Interim marine 99%														
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**													
JBMW01	JBMW01		3/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
QA-GW01	JBMW01		1/11/2022	<0.05	<0.05	<10	<10	<0.03	-	-	-	-	<0.005	<0.001	<50	<100	-
QC-GW01	JBMW01		1/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<20	<20	<1
JBMW02	JBMW02		4/11/2022	<0.05	<0.05	<20	<20	<0.2	0.014	0.014	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW03	JBMW03		4/11/2022	<0.05	<0.05	<20	<20	0.6	<0.05	<0.05	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW04	JBMW04		4/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW05	JBMW05		4/11/2022	<0.05	<0.05	<20	<20	0.2	<0.125	<0.125	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW06	JBMW06		1/11/2022	<0.05	<0.05	<20	<20	1.2	0.015	0.015	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW07	JBMW07		1/11/2022	<0.05	<0.05	<20	<20	2.4	0.066	0.066	<0.05	<0.002	<0.005	<0.005	<20	<20	<1
JBMW08	JBMW08		1/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW09	JBMW09		1/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW10	JBMW10		1/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW11	JBMW11		1/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW03/WG229S	MW03/WG229S		1/11/2022	<0.05	<0.05	<20	<20	0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
QA-GW02	MW03/WG229S		2/11/2022	<0.05	<0.05	<10	<10	<0.03	-	-	-	-	<0.005	<0.002	<50	<100	-
QC-GW02	MW03/WG229S		2/11/2022	<0.05	<0.05	<20	<20	0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW05	MW05		4/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW09	MW09		3/11/2022	<0.05	<0.05	<20	<20	0.3	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW10	MW10		4/11/2022	<0.05	<0.05	<20	<20	0.3	<0.05	<0.05	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW11	MW11		4/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW12	MW12		3/11/2022	<0.05	<0.05	<20	<20	0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW13	MW13		3/11/2022	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW18	MW18		3/11/2022	<0.05	<0.05	<20	<20	0.6	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW312	MW312		4/11/2022	<0.05	<0.05	<20	<20	0.4	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW40S	MW40S		1/11/2022	<0.05	<0.05	<20	<20	0.3	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW41S	MW41S		1/11/2022	<0.05	<0.05	<20	<20	0.9	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
WG233S	WG233S		1/11/2022	<0.05	<0.05	<20	<20	0.4	0.094	0.066	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 99% species protection level adopted due to bioaccumulation

Appendix C2

Allnex Environment Protection Licence

Section 58(5) Protection of the Environment Operations Act 1997

Licence Variation

Licence - 993

ALLNEX RESINS AUSTRALIA PTY LTD
ABN 25 000 045 572 ACN 000 045 572
LOCKED BAG 6
BOTANY NSW 2019

Attention: Mr. Anthony Borsovszky

Notice Number	1609907
File Number	EF13/3380
Date	26-Jul-2021

NOTICE OF VARIATION OF LICENCE NO. 993

BACKGROUND

A. ALLNEX RESINS AUSTRALIA PTY LTD ('the licensee') is the holder of Environment Protection Licence No. 993 ('the licence') issued under the *Protection of the Environment Operations Act 1997* ('POEO Act'). The licence authorises the carrying out of activities at 49-61 STEPHEN ROAD, BOTANY, NSW, 2019 ('the premises').

B. On 14 March 2007, the NSW Environment Protection Authority ('EPA') issued a Declaration of investigation area (No. 15040) under the C*ontaminated Land Management Act 1997* ('CLM Act') which covered the area on which the premises is situated. The declaration was made because the EPA considered it had reasonable grounds to believe that the toluene, ethyl benze and xylene ('TEX') contamination of soil and groundwater at the premises was considered significant enough to present a significant risk of harm to human health and the environment.

C. Subsequently, the licensee entered into two Voluntary Management Proposals ('VMP') (Notice of Approval No. 20101704 and 20121715) on 19 February 2010 and 24 August 2012, respectively, targeting the offsite migration of TEX impacted groundwater.

D. On 6 July 2015, the EPA placed Pollution Reduction Program ('PRP') *Condition U1 - Remediation of TEX Contamination* on the licence. The objective of this PRP was to ensure that the licensee undertook all necessary investigation and appropriate action to address the TEX contamination at the premises within a reasonable timeframe.

E. The EPA notes that all aspects of Condition U1 were completed by 28 March 2017 and the objectives of the PRP have been achieved.

F. In a letter dated 6 March 2020, the EPA recommended that the two existing VMP should be closed out and a new VMP that outlines the various stages of the future monitoring and remediation works, and timeframes for completion be entered into. In this letter, the EPA stated that monitoring requirements

may be removed from the licence if they are captured in the approved VMP. The intention being the removal of PRP Condition U1 following the approval of the new VMP.

G. On 28 October 2020, the licensee entered into a new VMP (Notice of Approval No. 21201720) for reasons outlined in Point F.

H. As the licensee has entered into the new VMP, the EPA considers that Condition U1 is no longer required to be on the licence. This is to avoid duplicate regulation of the TEX contamination at the premises. The removal of Condition U1 does not impact or alter any other monitoring conditions outside of Condition U1, as required by the licence.

I. The EPA has considered s45 of the Act when removing Condition U1 from the licence, with particular consideration to the appropriate regulation of the TEX contamination at the premises.

VARIATION OF LICENCE NO. 993

1. By this notice the EPA varies licence No. 993. The attached licence document contains all variations that are made to the licence by this notice.
2. The following variations have been made to the licence:
   - The removal of Pollution Reduction Program Co*ndition U1 - Remediation of TEX Contamination* from the licence (Conditions U1.1 - U1.7).

.....

Jacqueline Ingham

Unit Head

Environment Protection Authority

(by Delegation)

INFORMATION ABOUT THIS NOTICE

- This notice is issued under section 58(5) of the Act.
- Details provided in this notice, along with an updated version of the licence, will be available on the EPA's Public Register (http://www.epa.nsw.gov.au/prpoeo/index.htm) in accordance with section 308 of the Act.

Appeals against this decision

- You can appeal to the Land and Environment Court against this decision. The deadline for lodging the appeal is 21 days after you were given notice of this decision.

Licence Variation

When this notice begins to operate

- The variations to the licence specified in this notice begin to operate immediately from the date of this notice, unless another date is specified in this notice.
- If an appeal is made against this decision to vary the licence and the Land and Environment Court directs that the decision is stayed the decision does not operate until the stay ceases to have effect or the Land and Environment Court confirms the decision or the appeal is withdrawn (whichever occurs first).

Environment Protection Licence

Licence - 993

Licence Details	
Number:	993
Anniversary Date:	28-February

Licensee

ALLNEX RESINS AUSTRALIA PTY LTD

LOCKED BAG 6

BOTANY NSW 2019

Premises

ALLNEX RESINS AUSTRALIA PTY LTD

49-61 STEPHEN ROAD

BOTANY NSW 2019

Scheduled Activity

Chemical production

Chemical storage

Contaminated groundwater treatment

Fee Based Activity	Scale
Chemical production waste generation	> 100 T annual volume of waste generated or stored
Chemical storage waste generation	> 100 T annual volume of waste generated or stored
Contaminated groundwater treatment	Any annual handling capacity
Dangerous goods production	> 10000-25000 T annual production capacity
General chemicals storage	0-5000 kL storage capacity
Toxic substances production	0-10000 T annual production capacity

Contact Us

NSW EPA

4 Parramatta Square

12 Darcy Street

PARRAMATTA NSW 2150

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Locked Bag 5022

PARRAMATTA NSW 2124

Environment Protection Licence

Licence - 993

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Environment Protection Licence

Licence - 993

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Environment Protection Licence

Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Environment Protection Licence

The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

ALLNEX RESINS AUSTRALIA PTY LTD
LOCKED BAG 6
BOTANY NSW 2019

subject to the conditions which follow.

Environment Protection Licence

Licence - 993

1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Chemical production	Chemical production waste generation	> 100 T annual volume of waste generated or stored
Chemical storage	Chemical storage waste generation	> 100 T annual volume of waste generated or stored
Contaminated groundwater treatment	Contaminated groundwater treatment	Any annual handling capacity
Chemical production	Dangerous goods production	> 10000 - 25000 T annual production capacity
Chemical storage	General chemicals storage	0 - 5000 kL storage capacity
Chemical production	Toxic substances production	0 - 10000 T annual production capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
ALLNEX RESINS AUSTRALIA PTY LTD
49-61 STEPHEN ROAD
BOTANY
NSW 2019
LOT A DP 190526, LOT 1 DP 311767, LOT 1 DP 1095110

A3 Information supplied to the EPA

A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:
a) the applications for any licences (including former pollution control approvals) which this licence

replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

Air

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
2	Discharge to air Air emissions monitoring	Discharge to air Air emissions monitoring	Stack serving the thermal oxidiser at the Alkyd Plant labelled "Point 2" on drawing No. 2002-FS-01 titled "Proposed Fire Services Layout" submitted to the EPA and amended on 3 July 2003.
4	Alkyd Plant Thermal Oxidiser		The Thermal Oxidiser at the Alkyd Plant labelled 'Point 2' on drawing no. 2002-FS-01 titled 'Proposed Fire Services Layout' submitted to the EPA and amended on 3 July 2003.
5	AS/SVE Emissions Stack	AS/SVE Emissions Stack	The point marked as "Stack Location" on the document titled "Site Plan Showing Stack Location" received by EPA on 30 May 2012 and contained in licence file LIC07/1172-03.

P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.3 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to waters Discharge quality and volume monitoring	Discharge to waters Discharge quality and volume monitoring	Outlet of interceptor pit labelled "new outlet point" on drawing No. B-ST-070 submitted to the EPA on 22 August 2008.

Environment Protection Licence

6	Groundwater Monitoring Well No. 10 (MW10)	MW10 is located to the south of the Beckamine Plant and up gradient of the remediation area. Refer to Attachment A, Figure 2 in Notice of Approval of Voluntary Management Proposal, Approval No. 20121715 dated 24 August 2012.
7	Groundwater Monitoring Well No. 23 (MW23)	MW23 is located to the south of the air sparge system and down gradient of the remediation area. Refer to Attachment A, Figure 2 in Notice of Approval of Voluntary Management Proposal, Approval No. 20121715 dated 24 August 2012.

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

L2 Concentration limits

L2.1 For each monitoring/discharge point or utilisation area specified in the table\s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.

L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.

L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\s.

L2.4 Air Concentration Limits

POINT 2

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Volatile organic compounds	milligrams per cubic metre	20			

POINT 5

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period

Volatile organic compounds	milligrams per cubic metre	428	at 273K and 1 atm
Toluene	milligrams per cubic metre	117	at 273K and 1 atm
Ethyl benzene	milligrams per cubic metre	250	at 273K and 1 atm
Xylene	milligrams per cubic metre	61	at 273K and 1 atm

L2.5 Water and/or Land Concentration Limits

POINT 1

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Biochemical oxygen demand	milligrams per litre				20
Chemical oxygen demand	milligrams per litre				50
Oil and Grease	milligrams per litre				10
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				30

L2.6 For the purposes of Condition L2.5, the concentration limit for Biochemical oxygen demand only applies if the limit prescribed in Condition L2.5 for Chemcial oxygen demand is exceeded.

L3 Volume and mass limits

L3.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:
a) liquids discharged to water; or;
b) solids or liquids applied to the area;
must not exceed the volume/mass limit specified for that discharge point or area.

Point	Unit of Measure	Volume/Mass Limit
1	kilolitres per day	200

Environment Protection Licence

L4 Waste

L4.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled “Waste” and meeting the definition, if any, in the column titled “Description” in the table below.
Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled “Activity” in the table below.
Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled “Other Limits” in the table below.
This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	General or Specific exempted waste	Waste that meets all the conditions of a resource recovery exemption under Clause 92 of the Protection of the Environment Operations (Waste) Regulation 2014	As specified in each particular resource recovery exemption	NA
NA	Waste	Any waste received on site that is below licensing thresholds in Schedule 1 of the POEO Act, as in force from time to time	-	NA

L4.2 The licensee must comply with the conditions as specified in this licence or where no specific conditions are outlined in this licence, the licensee must comply with the Protection of the Environment Operations (Waste) Regulation 2014.

L5 Noise limits

L5.1 Noise from the premises must not exceed the noise limits presented in the table below:

Location	Day	At all other times
	LA10 (15 Minute)	LA10 (15 Minute)
Most noise affected residential premises	55	45
Most noise affected industrial/commercial premises	70	60

L5.2 For the purposes of the table above:

a) ‘*Day’* is defined as the period from 0700 to 1800 Monday to Friday and 0700 to 1300 Saturday; and

b) '*At all other times'* is defined as the period from 1800 to 0700 Monday to Friday, 1300 to 0700 Saturday and all hours on Sunday and Public Holidays.

L5.3 Noise from the premises is to be measured or computed at any point within 1 metre of the most noise affected premises boundary to determine compliance with condition L5.1.

L5.4 5 dB(A) must be added to measured noise levels if the noise is tonal or impulsive in character.

L6 Potentially offensive odour

L6.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

L7 Other limit conditions

L7.1 **Combustion parameters limits**

For each monitoring/discharge point or utilisation are specified in the tables below (by point number), the parameter must be equal to or greater than the lower limits specified for that parameter in that table.

POINT 4

Parameter	Units of measure	Lower limit	Averaging period
Residence time	s	0.5	Instantaneous
Temperature	Degrees C	760	Instantaneous

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.
This includes:
a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

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O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
a) must be maintained in a proper and efficient condition; and
b) must be operated in a proper and efficient manner.

O3 Processes and management

O3.1 The licensee must ensure that waste identified for recycling is stored separately from other waste.

O3.2 The licensee must ensure that any liquid and/or non-liquid waste generated or stored at the premises is assessed and classified in accordance with the Waste Classification Guidelines as in force from time to time.

5 Monitoring and Recording Conditions

M1 Monitoring records

M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.

M1.2 All records required to be kept by this licence must be:
a) in a legible form, or in a form that can readily be reduced to a legible form;
b) kept for at least 4 years after the monitoring or event to which they relate took place; and
c) produced in a legible form to any authorised officer of the EPA who asks to see them.

M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
a) the date(s) on which the sample was taken;
b) the time(s) at which the sample was collected;
c) the point at which the sample was taken; and
d) the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Air Monitoring Requirements

POINT 2

Pollutant	Units of measure	Frequency	Sampling Method

Environment Protection Licence

Carbon dioxide	percent	Yearly	TM-24
Dry gas density	kilograms per cubic metre	Yearly	TM-23
Moisture content	percent	Yearly	TM-22
Molecular weight of stack gases	grams per gram mole	Yearly	TM-23
Nitrogen Oxides	milligrams per cubic metre	Yearly	TM-11
Temperature	degrees Celsius	Continuous	TM-2
Velocity	metres per second	Yearly	TM-2
Volatile organic compounds	milligrams per cubic metre	Yearly	OM-2
Volumetric flowrate	cubic metres per second	Continuous	CEM-6

POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
residence time	seconds	Continuous	Special Method 1
Temperature	degrees Celsius	Continuous	TM-2

POINT 5

Pollutant	Units of measure	Frequency	Sampling Method
Ethyl benzene	milligrams per cubic metre	Quarterly	TM-34
Toluene	milligrams per cubic metre	Quarterly	TM-34
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34
Xylene	milligrams per cubic metre	Quarterly	TM-34

M2.3 For the purposes of the table/s in Condition M2.2 **Special Method 1** means the calculation of residence time within the thermal oxidiser using measurements of differential pressure and temperature at alternative locations in the air treatment system, and including all necessary corrections for temperature differences and process gas inflows between the oxidiser and the alternative measurement locations.

M2.4 Water and/ or Land Monitoring Requirements

POINT 1

Pollutant	Units of measure	Frequency	Sampling Method
Biochemical oxygen demand	milligrams per litre	Special Frequency 2	Grab sample
Chemical oxygen demand	milligrams per litre	Special Frequency 1	Grab sample
Oil and Grease	milligrams per litre	Special Frequency 1	Grab sample

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pH	pH	Special Frequency 1	Grab sample
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample

POINT 6,7

Pollutant	Units of measure	Frequency	Sampling Method
Ethyl benzene	micrograms per litre	Quarterly	Grab sample
Toluene	micrograms per litre	Quarterly	Grab sample
TPH C6-C9 Fraction	micrograms per litre	Quarterly	Grab sample
TRH C10-C14	micrograms per litre	Quarterly	Grab sample
TRH C15-C28	micrograms per litre	Quarterly	Grab sample
TRH C29-C36	micrograms per litre	Quarterly	Grab sample
Volatile organic compounds	micrograms per litre	Quarterly	Grab sample
Xylene	micrograms per litre	Quarterly	Grab sample

M2.5 For the purposes of Condition M2.3, **Special Frequency 1** means samples must be collected and analysed at least once within seven days prior to any discharge from Point 1.

M2.6 For the purposes of Condition M2.3, **Special Frequency 2** means samples must be collected and analysed if the level of Chemical Oxygen Demand measured at Point 1 exceeds the limits prescribed at Condition L2.5.

M2.7 For the purposes of Condition M2.4, **Volatile organic compounds** refers to monocyclic aromatic hydrocarbons only.

M3 Testing methods - concentration limits

M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:
a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2010* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

M3.2 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Recording of pollution complaints

M4.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M4.2 The record must include details of the following:
a) the date and time of the complaint;
b) the method by which the complaint was made;
c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
d) the nature of the complaint;
e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
f) if no action was taken by the licensee, the reasons why no action was taken.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M5 Telephone complaints line

M5.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M5.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M5.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

M6 Requirement to monitor volume or mass

M6.1 For each discharge point or utilisation area specified below, the licensee must monitor:
a) the volume of liquids discharged to water or applied to the area;
b) the mass of solids applied to the area;
c) the mass of pollutants emitted to the air;
at the frequency and using the method and units of measure, specified below.

POINT 1

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	By Calculation (volume flow rate or pump capacity multiplied by operating time)

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6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:
a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
a) the licence holder; or
b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

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R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
a) where this licence applies to premises, an event has occurred at the premises; or
b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:
a) the cause, time and duration of the event;
b) the type, volume and concentration of every pollutant discharged as a result of the event;
c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

R4 Other reporting conditions

AS/SVE System Operation Report

R4.1 The licensee must submit an *AS/SVE System Operation* Report detailing the performance of the remediation system to the Manager Sydney Industry, EPA, PO Box 668, Parramatta, NSW 2124.

R4.2 The report referred to in Condition R4.1 must include:

a) Results of monitoring required by Condition M2.2 for Point 5;

b) Results of monitoring required by Condition M2.4 for Point 6 and Point 7;

c) Details of compliance with the licence limits specified at Condition L2.4 for Point 5; and

d) A discussion of any trends observed in the monitoring results.

R4.3 The report referred to in Condition R4.1 must be submitted to the EPA on an annual basis, no more than 60 days after the completion of the 4th round of monitoring required by Condition M2.2 for Point 5 and Condition M2.4 for Point 6 and Point 7.

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

G2 Signage

G2.1 The location of EPA point numbers 1, 2, 4, 5, 6 and 7 must be clearly marked by a sign that indicates the point identification number used in the licence and located as close as practical to the point.

G3 Other general conditions

G3.1 **Completed Programs**

Program	Description	Completed Date
1	Air Dispersion Modelling Study	31-August-2003
Air Quality Impact Assessment of 2, 4 toluene di-isocyanate	A Pollution Study requiring the licensee to undertake an Air Quality Impact Assessment of the potential direct and fugitive emission sources of 2, 4 toluene di-isocyanate (TDI) from activities and/ or processes carried out on the premises to assess compliance with appropriate ground level concentration criteria	27-October-2015

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Remediation of TEX contamination	The objective of this Pollution Reduction Program (PRP) is to ensure that the licensee undertakes all necessary investigation and appropriate action to address the Toluene (T), Ethyl benzene (E) and Xylene (X) (TEX) contamination at the premises within a reasonable timeframe	28-March-2017

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environmen t Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder describe d at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 mo nths. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non-putrescible), special waste or hazardous waste

Ms Nadia Kanhoush

Environment Protection Authority

(By Delegation)

Date of this edition: 11-August-2000

Environment Protection Licence

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End Notes

1	Licence varied by notice 1018731, issued on 11-Jul-2002, which came into effect on 05-Aug-2002.
2	Licence varied by Admin corrections to archived record, issued on 02-Dec-2002, which came into effect on 02-Dec-2002.
3	Licence varied by notice 1028864, issued on 31-Jul-2003, which came into effect on 31-Jul-2003.
4	Licence varied by notice 1077663, issued on 19-Sep-2007, which came into effect on 19-Sep-2007.
5	Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
6	Licence varied by notice 1104799, issued on 24-May-2010, which came into effect on 24-May-2010.
7	Licence varied by correction to Scheduled Activity name, issued on 04-Nov-2010, which came into effect on 04-Nov-2010.
8	Licence varied by notice 1126931, issued on 17-Jun-2011, which came into effect on 17-Jun-2011.
9	Licence varied by notice 1504497 issued on 27-Mar-2013
10	Licence varied by notice 1530981 issued on 16-Jun-2015
11	Licence varied by notice 1531492 issued on 17-Jul-2015
12	Licence varied by notice 1536419 issued on 11-Dec-2015
13	Licence varied by notice 1541012 issued on 03-Jun-2016
14	Licence varied by notice 1541383 issued on 22-Jul-2016
15	Licence varied by notice 1556899 issued on 26-Feb-2018

Appendix C3

Temporary Water Restrictions Order 2024

Temporary Water Restrictions Order for the Botany Sands Groundwater Source 2024

under the

Water Management Act 2000

I, Allan Raine, having delegated authority from the Minister for Water, in pursuance of section 324(1) of the *Water Management Act 2000*, on being satisfied that it is necessary to do so in the public interest to cope with a threat to public health and safety, make the following Order.

Dated 26 June 2024.

Allan Raine
Director, Water Planning Implementation, Water
Department of Climate Change, Energy, the Environment and Water
By delegation

Explanatory note

This Order is made under section 324(1) of the *Water Management Act 2000*. The object of this Order is to impose temporary water restrictions for the Botany Sands Groundwater Source.

Temporary Water Restrictions Order for the Botany Sands Groundwater Source 2024

under the

Water Management Act 2000

1 Name of Order

This Order is the *Temporary Water Restrictions Order for the Botany Sands Groundwater Source 2024*.

2 Commencement

This Order commences on the day on which notice of the Order is first published in accordance with section 324 (3) of the *Water Management Act 2000* and will remain in force until 30th June 2030, unless it is repealed or modified by further order before that date.

3 Repeal of previous order

This Order repeals the order made under the former section 324 (1) of the *Water Management Act 2000,* dated 21 February 2018, and published in the NSW Government Gazette No 23, dated 23 February 2018, at page 816.

4 Temporary water restrictions

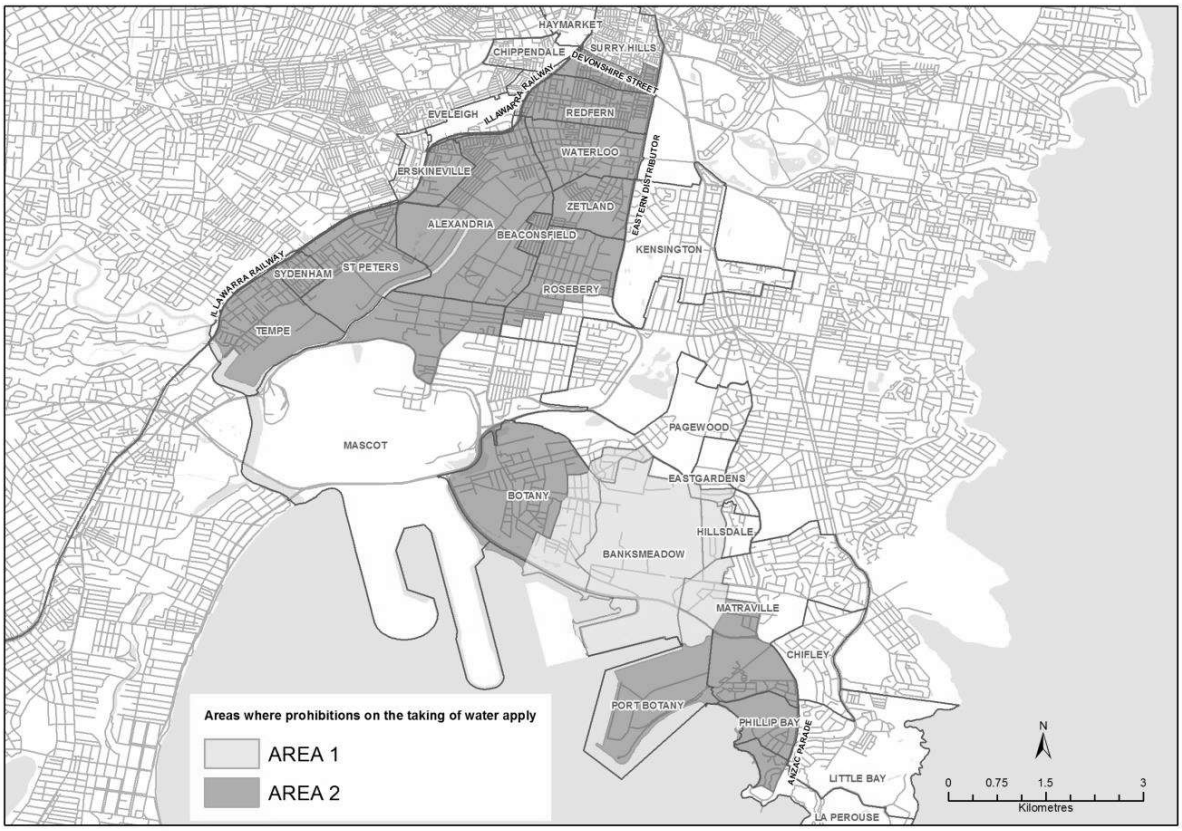
The taking of water from the water source specified in Schedule 1 is prohibited as specified in Schedules 2 and 3.

Schedule 1

Water Source

1 This Order applies to those parts of the Botany Sands Groundwater Source identified within Area 1 and Area 2 on Map A to this Schedule. The Botany Sands Groundwater Source is identified in the Water Sharing Plan for the Greater Metropolitan Region Groundwater Sources 2023.

Map A—Botany Sands Groundwater Source



Schedule 2

Prohibitions in Area 1

1 The taking of water from those parts of the Botany Sands Groundwater Source within Area 1 on Map A is prohibited.

2 The prohibition in paragraph (1) does not apply to:
   a. the taking of water for remediation, temporary construction dewatering, testing or monitoring purposes; or
   b. the taking of water using a water supply work nominated by water access licence 24611, 24613, 24566, 24600, 24564, 24583, 24545, or 24588, provided that the water is ***fit for purpose***.

3 A person taking water under paragraph (2)(b) must:
   a. keep records of all testing of water undertaken for the duration of this order; and
   b. provide to an authorised officer, within 7 days of a request, written details of the results of any testing of water undertaken as requested by that officer.

4 In this Schedule:
   a. ***Fit for purpose*** means:
      i. There is a site testing plan certified by a site auditor accredited under the *Contaminated Land Management Act 1997* as being appropriate to determine if the groundwater is safe and suitable for its intended use. This site testing plan must be certified and in place prior to water being used,
      ii. The site testing plan includes for each proposed use of water the method of sampling, method of testing, frequency of testing, the analytes to be tested and the prescribed threshold level for each analyte above which water must not be taken,
      iii. Once sampled in accordance with the site testing plan, a consultant certified under a NSW Environment Protection Authority (EPA) recognised contaminated land consultant certification scheme must assess the results and provide a written record as to whether the groundwater is safe and suitable for its intended use as defined in the site testing plan, and
      iv. All works in relation to the preparation and implementation of the site testing plan must be carried out consistent with guidelines made or approved by the EPA under section 105 of the *Contaminated Land Management Act 1997*.

   b. ***Authorised officer*** has the same meaning it has under the *Water Management Act 2000*.

Schedule 3

Prohibitions in Area 2

1 The taking of water from those parts of the Botany Sands Groundwater Source within Area 2 on Map A is prohibited for any of the following purposes:

a. human consumption;
b. consumption by animals;
c. domestic purposes;
d. any other purpose.

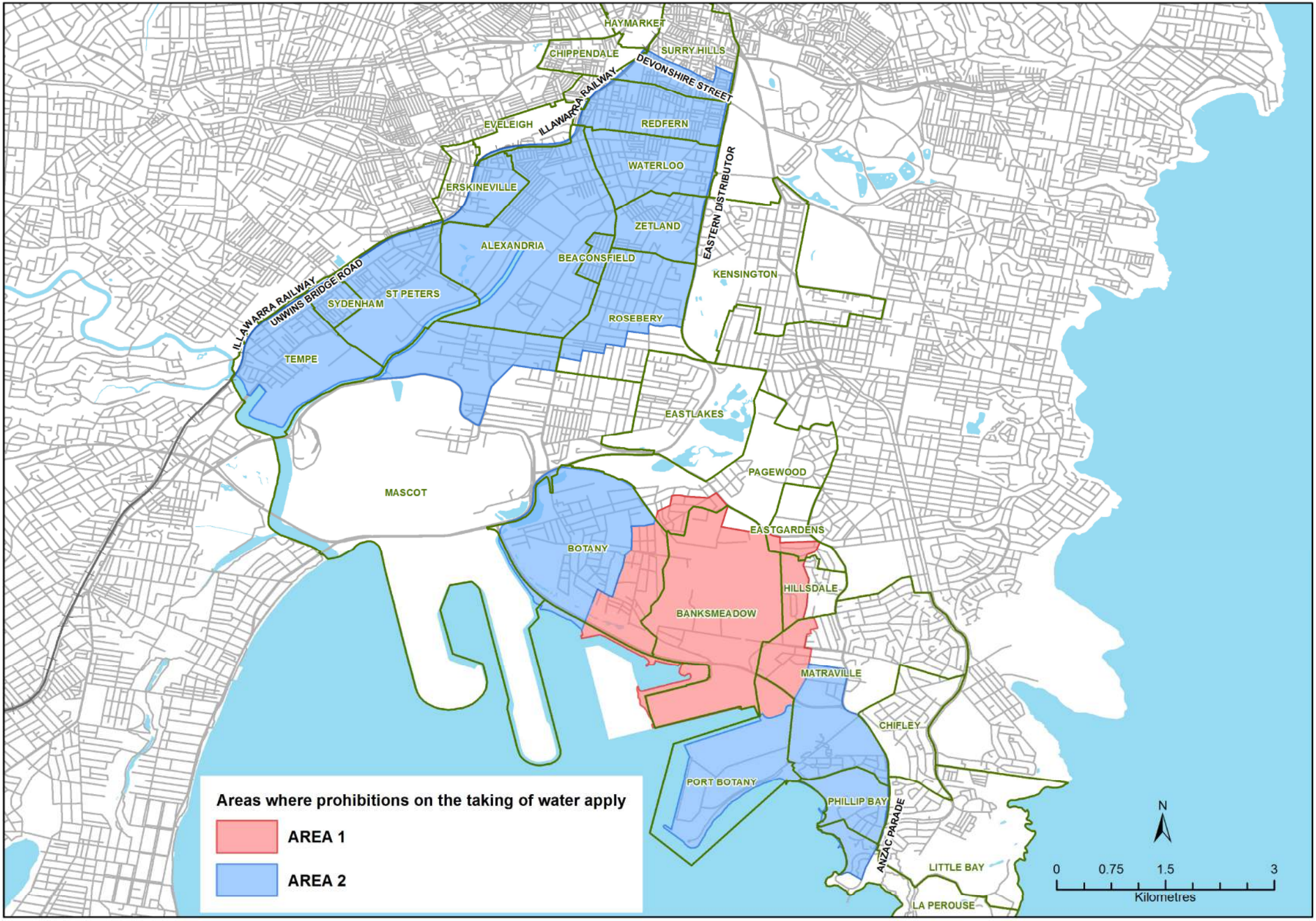
2 The prohibition in paragraph (1) (d) does not apply:

a. if the water is ***fit for purpose***; or
b. to the taking of water for remediation, temporary construction dewatering, testing or monitoring purposes.

3 A person taking water under paragraph (2)(a) must:

a. keep records of all testing of water undertaken for the duration of this order; and
b. provide to an authorised officer, within 7 days of a request, written details of the results of any testing of water undertaken as requested by that officer.

4 In this Schedule, ***fit for purpose*** and ***authorised officer*** have the same meanings as in Schedule 2.

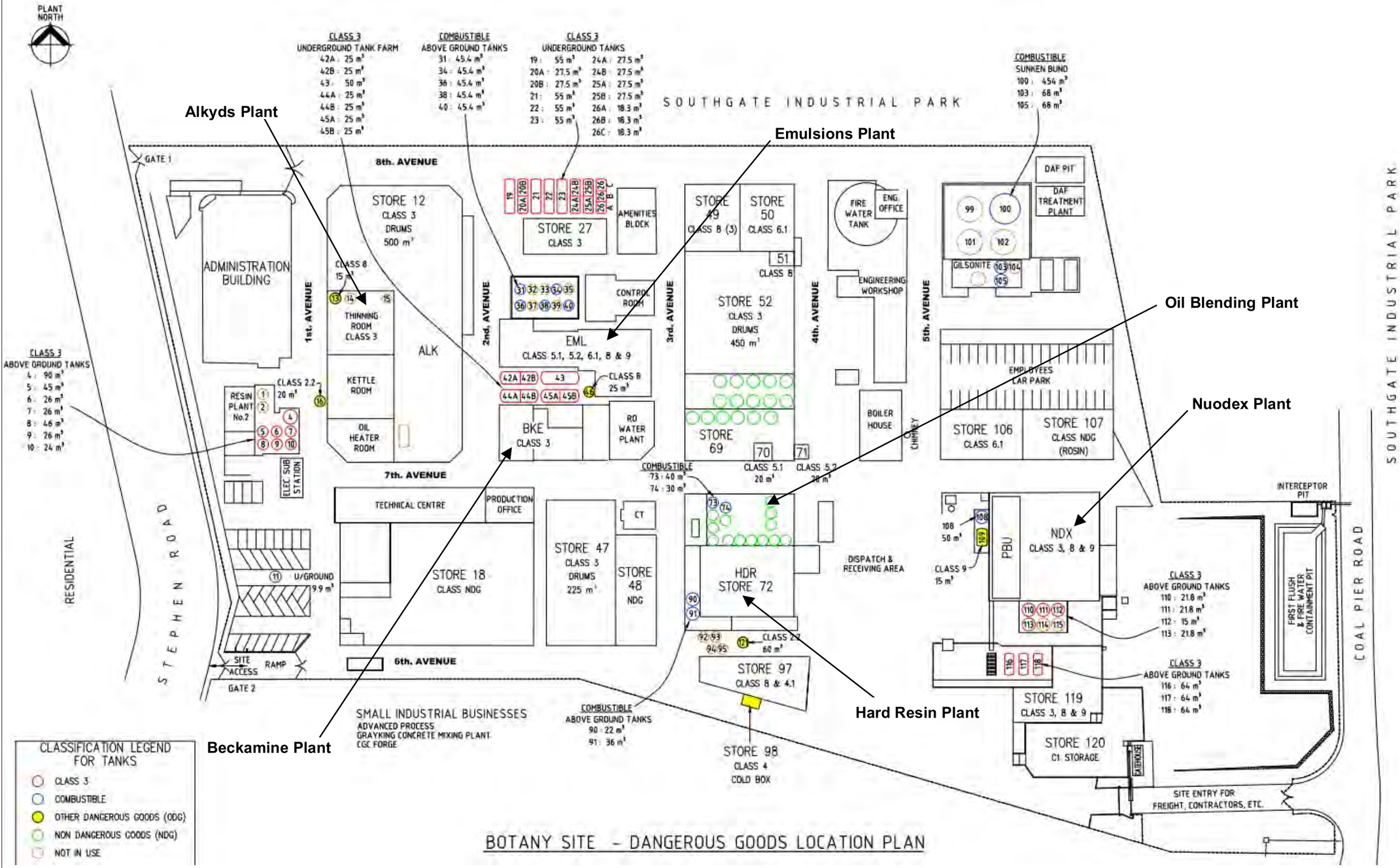

HAYMARKET
CHIPPENDALE
SURRY HILLS
DEVONSHIRE STREET
ILLAWARRA RAILWAY
EVELEIGH
REDFERN
WATERLOO
ERSKINEVILLE
ZETLAND
EASTERN DISTRIBUTOR
ALEXANDRIA
BEACONSFIELD
KENSINGTON
ILLAWARRA RAILWAY
UNWINS BRIDGE ROAD
ST PETERS
SYDENHAM
ROSEBERY
TEMPE
EASTLAKES
PAGEWOOD
MASCOT
EASTGARDENS
BOTANY
HILLSDALE
BANKSMEADOW
MATRAVILLE
CHIFLEY
PORT BOTANY
PHILLIP BAY
ANZAC PARADE
LITTLE BAY
LA PEROUSE
Areas where prohibitions on the taking of water apply
AREA 1
AREA 2
N
0
0.75
1.5
3
Kilometres

Appendix D

Information Extracted from Provided Information and Reports

Appendix D1

JBS&G (2023) - Extracted Drawings, Summary Results Tables and Logs



BOTANY SITE – DANGEROUS GOODS LOCATION PLAN

Legend:

Dangerous Goods Location Plan (AECOM 2022)

JBS&G

Job No: 63638	
Client: Allnex	
Version: R03 Rev 2	Date: 19/01/2023
Drawn By: LJ	Checked By: JDM

Scale: Approximate

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

DANGEROUS GOODS LOCATION PLAN

FIGURE 3

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)
- Hydro Line

Site Features

- Barrier
- Building
- Plant
- Tank
- UST
- As-Built Horizontal Wells Position: Screened Casing
- As-Built Horizontal Wells Position: Solid Casing

JBS&G

Job No: 63638	
Client: Allnex	
Version: R03 Rev 2	Date 19/01/2023
Drawn By: LJ	Checked By: JDM
Scale 1:1,000	

0 10 20
metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

SOURCE REMEDIATION AREA

FIGURE 4

File Name: C:\Users\jprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220802

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)

Sample Locations

- Sample Location
- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
- Allnex/Orica Monitoring Well
- Decomissioned Monitoring Well
- Sentinel Wells (Installed June 2017)
- Air Sparging Soil Vapour Extraction Wells

JBS&G

Job No: 63638

Client: Allnex

Version: R03 Rev 2	Date 19/01/2023
Drawn By: LJ	Checked By: GP/JDM

Scale 1:1,500

0 15 30

metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

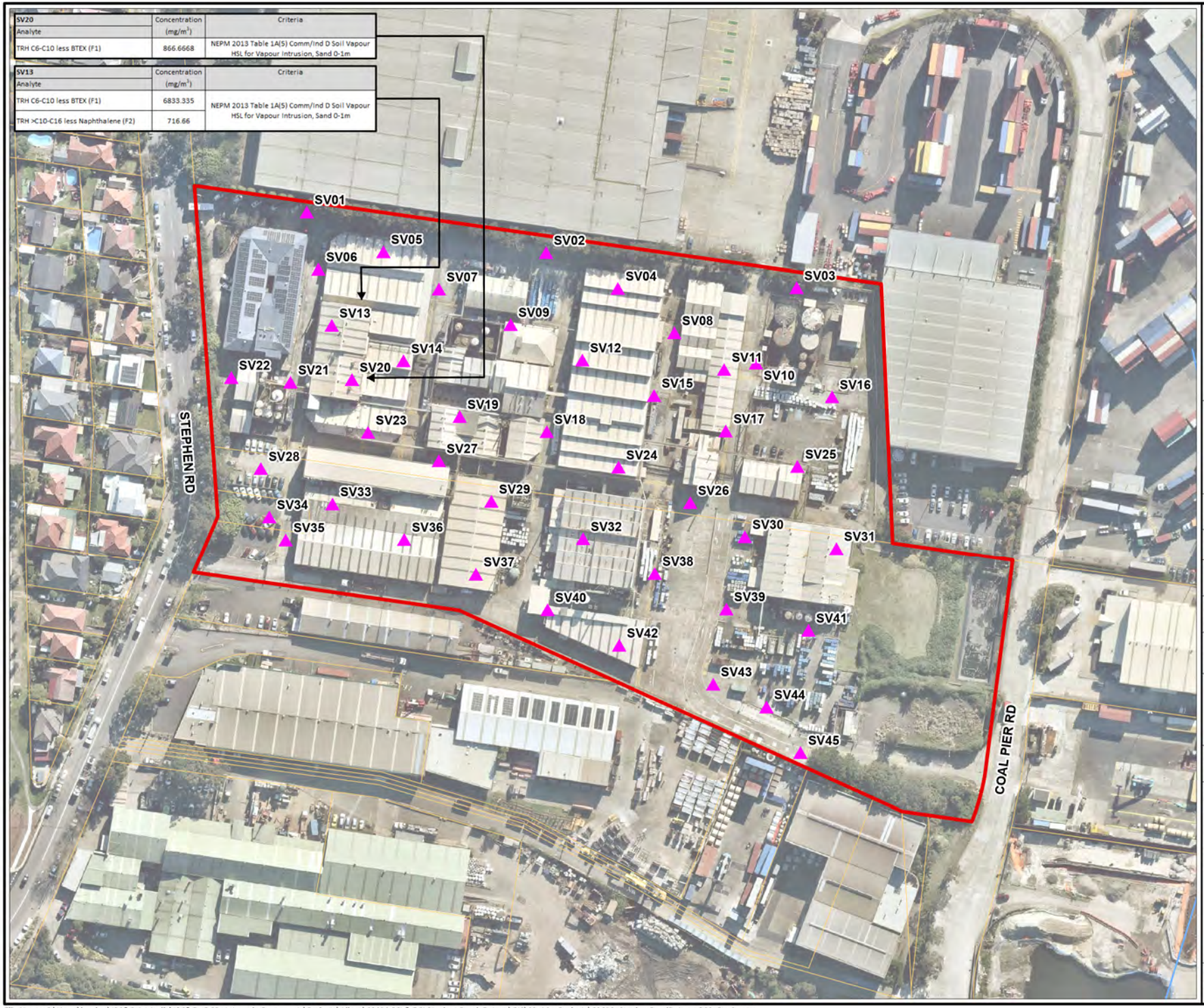
SAMPLING LOCATIONS

FIGURE 5

File Name: C:\Users\lprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220802

SV20	Concentration (mg/m^3)	Criteria
Analyte		
TRH C6-C10 less BTEX (F1)	866.6668	NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapour Intrusion, Sand 0-1m

SV13	Concentration (mg/m^3)	Criteria
Analyte		
TRH C6-C10 less BTEX (F1)	6833.335	NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapour Intrusion, Sand 0-1m
TRH >C10-C16 less Naphthalene (F2)	716.66	



Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)
- Hydro Line

Sample Locations

- Soil Vapour Location

JBS&G

Job No: 63638

Client: Allnex

Version: R03 Rev 2 | Date 19/01/2023

Drawn By: LJ | Checked By: JDM

Scale 1:2,000

0 25 50

metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

SOIL VAPOUR SAMPLING LOCATIONS AND EXCEEDANCES

FIGURE 6

File Name: C:\Users\lprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220802

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)

Sample Locations

- Sample Location
- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
- Allnex/Orica Monitoring Well
- Decomissioned Monitoring Well
- Sentinel Wells (Installed June 2017)
- Air Sparging Soil Vapour Extraction Wells
- Soil Vapour Location

JBS&G

Job No: 63638

Client: Allnex

Version: R03 Rev 2	Date 19/01/2023
Drawn By: LJ	Checked By: JDM

Scale 1:1,500

0 15 30

metres

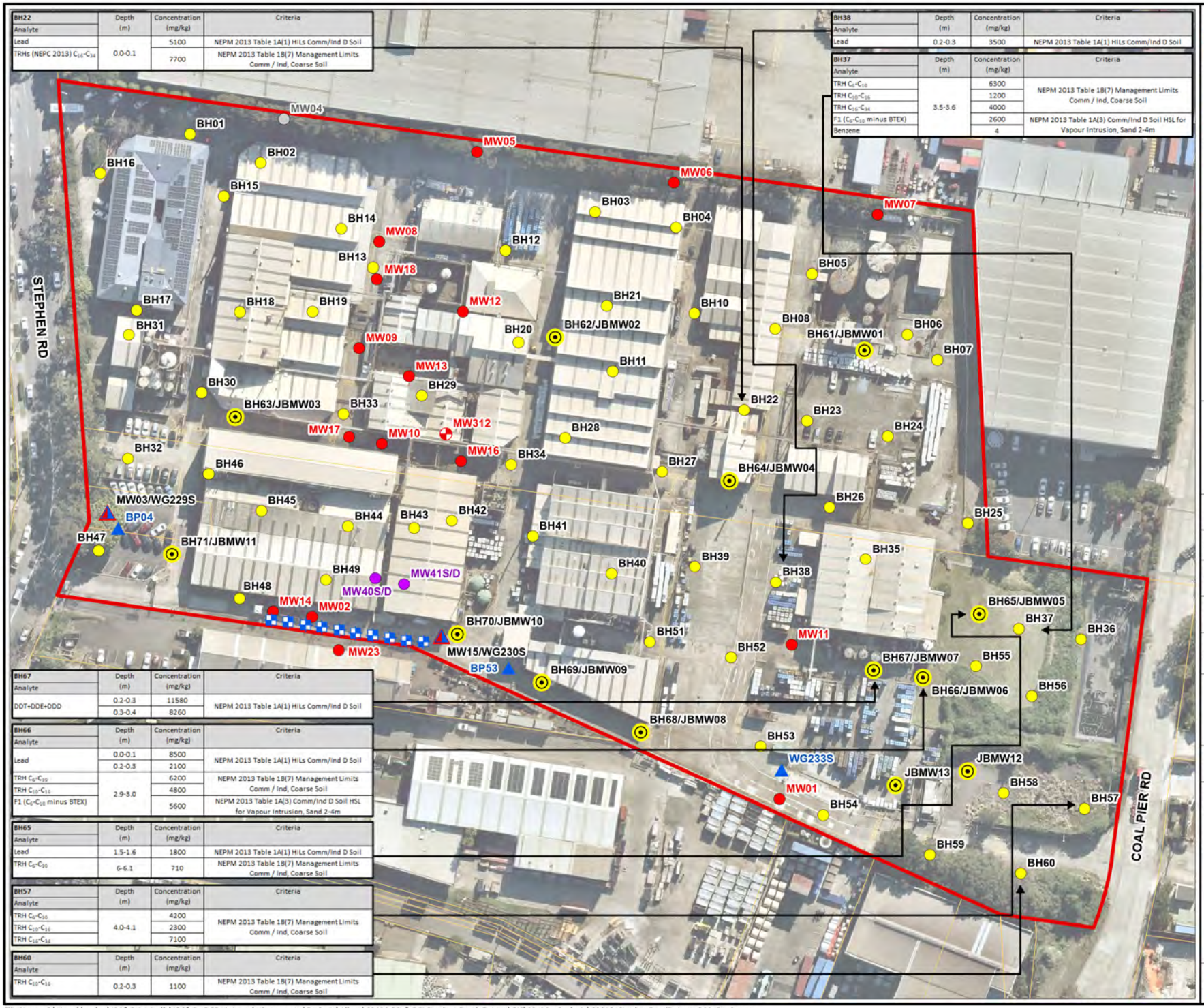
Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

COMBINED SAMPLING LOCATIONS

FIGURE 7

File Name: C:\Users\lprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220802



Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)

Sample Locations

- Sample Location
- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
- Allnex/Orica Monitoring Well
- Decomissioned Monitoring Well
- Sentinel Wells (Installed June 2017)
- Air Sparging Soil Vapour Extraction Wells

JBS&G

Job No: 63638

Client: Allnex

Version: R03 Rev 2 | Date 19/01/2023

Drawn By: LJ | Checked By: JDM

Scale 1:1,500

0 15 30

metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

SOIL EXCEEDANCES

FIGURE 8A

File Name: C:\Users\lprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220802

HA106 Analyte	Depth (m)	Concentration (mg/kg)	Criteria
DDT+DDE+DDD	0.2-0.3	5410	NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

BH67 Analyte	Depth (m)	Concentration (mg/kg)	Criteria
DDT+DDE+DDD	0.2-0.3	11580	NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil
	0.3-0.4	8260	

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)

Sample Locations

- Sample Location
- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
- Allnex/Orica Monitoring Well
- Decomissioned Monitoring Well
- Sentinel Wells (Installed June 2017)
- Air Sparging Soil Vapour Extraction Wells

JBS&G

Job No: 63638

Client: Allnex

Version: R03 Rev 2	Date 19/01/2023
Drawn By: LJ	Checked By: JDM

Scale 1:1,500

0 15 30

metres

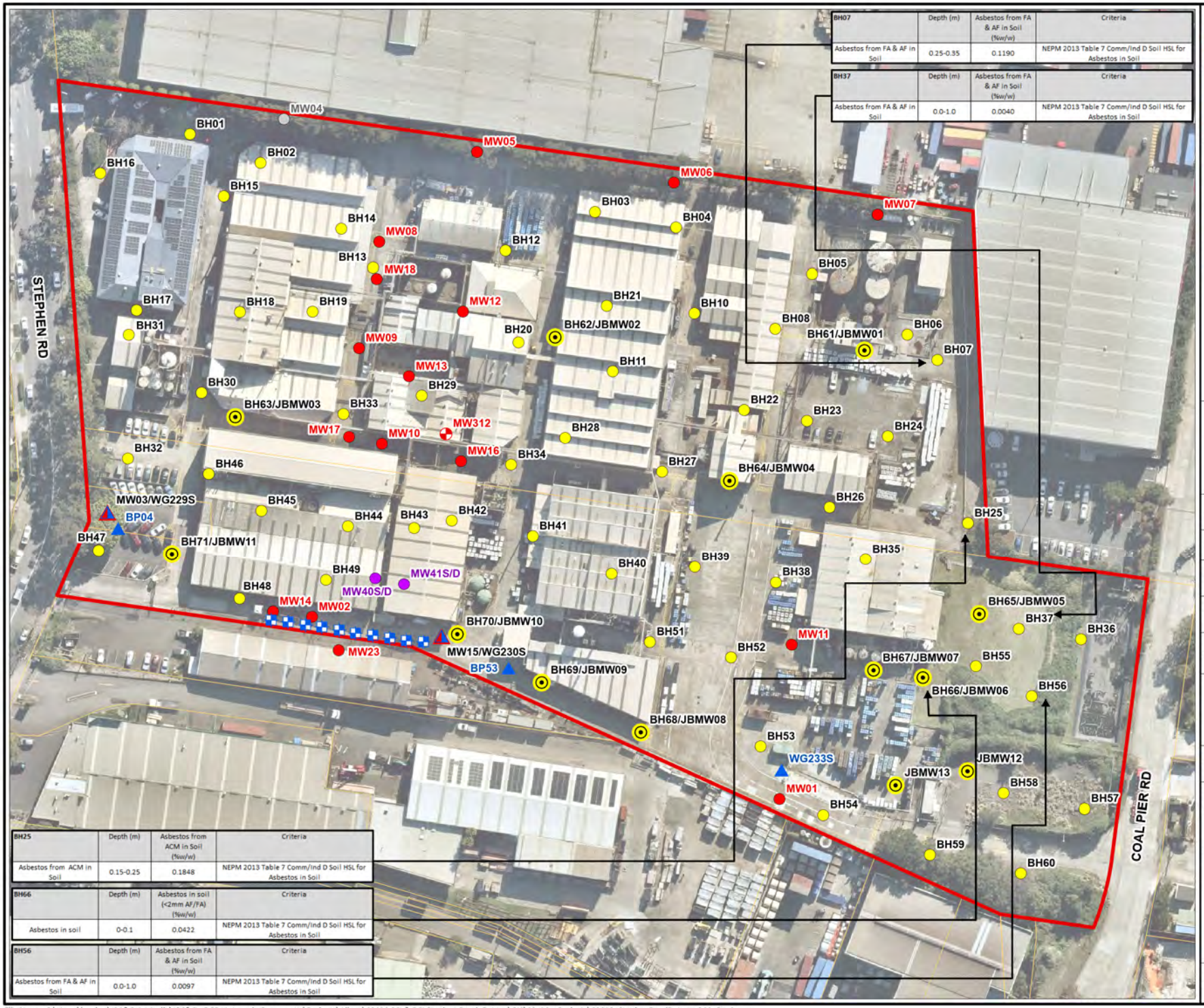
Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

SOIL EXCEEDANCES - OCP DELINEATION SAMPLING

FIGURE 8B

File Name: 63638_StephenRoadBotany_R03_Rev2
Reference: Nearmap www.nearmap.com 20220802



BH07	Depth (m)	Asbestos from FA & AF in Soil (%w/w)	Criteria
Asbestos from FA & AF in Soil	0.25-0.35	0.1190	NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil

BH37	Depth (m)	Asbestos from FA & AF in Soil (%w/w)	Criteria
Asbestos from FA & AF in Soil	0.0-1.0	0.0040	NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil

BH25	Depth (m)	Asbestos from ACM in Soil (%w/w)	Criteria
Asbestos from ACM in Soil	0.15-0.25	0.1848	NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil

BH66	Depth (m)	Asbestos in soil (<2mm AF/FA) (%w/w)	Criteria
Asbestos in soil	0-0.1	0.0422	NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil

BH56	Depth (m)	Asbestos from FA & AF in Soil (%w/w)	Criteria
Asbestos from FA & AF in Soil	0.0-1.0	0.0097	NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)

Sample Locations

- Sample Location
- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
- Allnex/Orica Monitoring Well
- Decomissioned Monitoring Well
- Sentinel Wells (Installed June 2017)
- Air Sparging Soil Vapour Extraction Wells

JBS&G

Job No: 63638

Client: Allnex

Version: R03 Rev 2 | Date 19/01/2023

Drawn By: LJ | Checked By: JDM

Scale 1:1,500

0 15 30

metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

ASBESTOS EXCEEDANCES

FIGURE 9

File Name: C:\Users\lprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220802

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)
- Groundwater Elevation Contour (mAHD)
- Inferred Groundwater Flow Direction

Sample Locations

- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
- Allnex/Orica Monitoring Well
- Sentinel Wells (Installed June 2017)

JBS&G

Job No: 63638	
Client: Allnex	
Version: R03 Rev 2	Date 19/01/2023
Drawn By: LJ	Checked By: JDM

Scale 1:1,500

0 15 30
metres

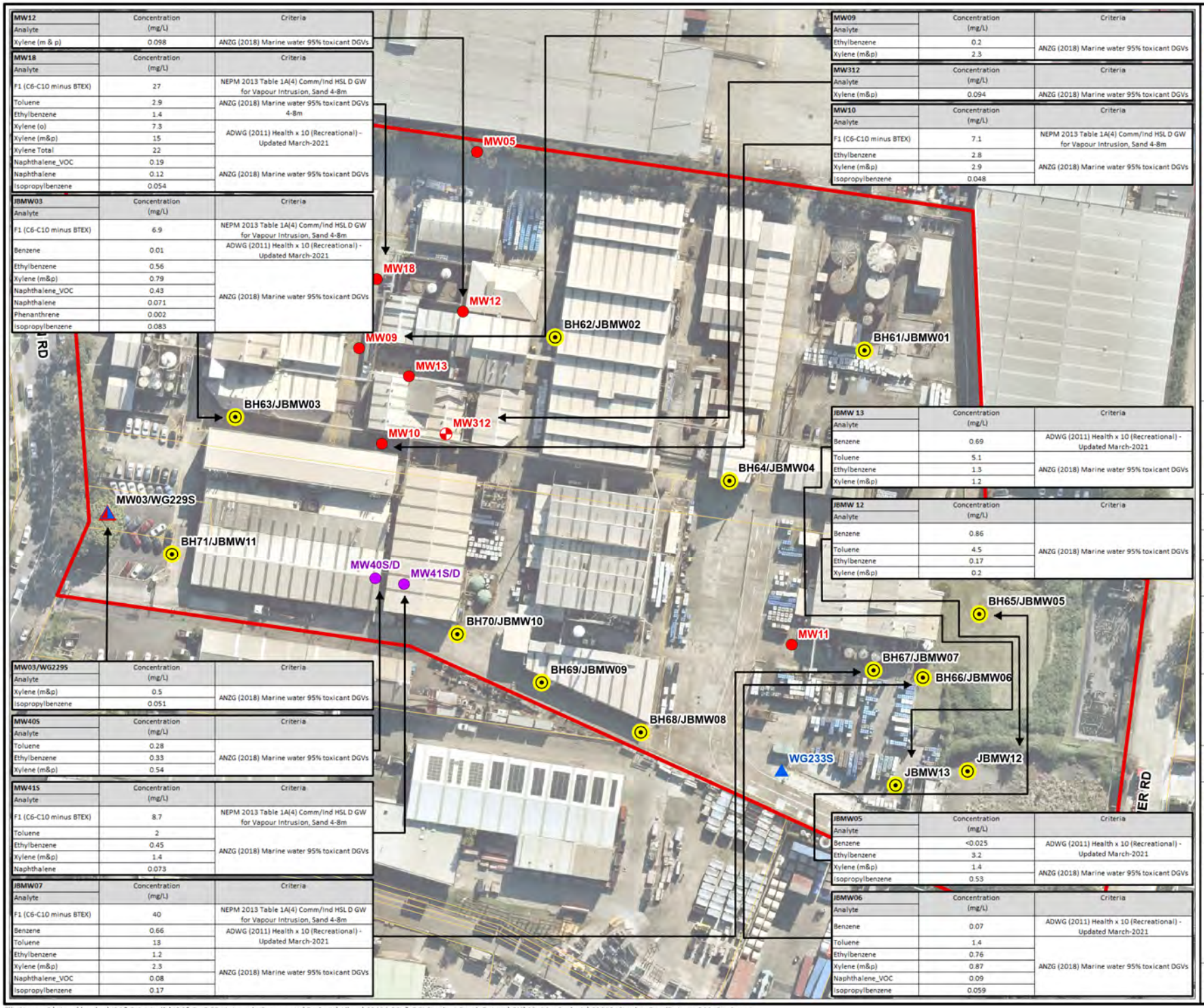
Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

GROUNDWATER CONTOURS

FIGURE 10

File Name: C:\Users\lprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220928



MW12	Concentration (mg/L)	Criteria
Xylene (m & p)	0.098	ANZG (2018) Marine water 95% toxicant DGVs

MW18	Concentration (mg/L)	Criteria
F1 (C6-C10 minus BTEX)	27	NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand 4-8m
Toluene	2.9	ANZG (2018) Marine water 95% toxicant DGVs 4-8m
Ethylbenzene	1.4	
Xylene (o)	7.3	ADWG (2011) Health x 10 (Recreational) - Updated March-2021
Xylene (m&p)	15	
Xylene Total	22	
Naphthalene_VOC	0.19	ANZG (2018) Marine water 95% toxicant DGVs
Naphthalene	0.12	
Isopropylbenzene	0.054	

JBMW03	Concentration (mg/L)	Criteria
F1 (C6-C10 minus BTEX)	6.9	NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand 4-8m
Benzene	0.01	ADWG (2011) Health x 10 (Recreational) - Updated March-2021
Ethylbenzene	0.56	ANZG (2018) Marine water 95% toxicant DGVs
Xylene (m&p)	0.79	
Naphthalene_VOC	0.43	
Naphthalene	0.071	
Phenanthrene	0.002	
Isopropylbenzene	0.083	

MW03/WG229S	Concentration (mg/L)	Criteria
Xylene (m&p)	0.5	ANZG (2018) Marine water 95% toxicant DGVs
Isopropylbenzene	0.051	

MW40S	Concentration (mg/L)	Criteria
Toluene	0.28	ANZG (2018) Marine water 95% toxicant DGVs
Ethylbenzene	0.33	
Xylene (m&p)	0.54	

MW41S	Concentration (mg/L)	Criteria
F1 (C6-C10 minus BTEX)	8.7	NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand 4-8m
Toluene	2	ANZG (2018) Marine water 95% toxicant DGVs
Ethylbenzene	0.45	
Xylene (m&p)	1.4	
Naphthalene	0.073	

JBMW07	Concentration (mg/L)	Criteria
F1 (C6-C10 minus BTEX)	40	NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand 4-8m
Benzene	0.66	ADWG (2011) Health x 10 (Recreational) - Updated March-2021
Toluene	13	ANZG (2018) Marine water 95% toxicant DGVs
Ethylbenzene	1.2	
Xylene (m&p)	2.3	
Naphthalene_VOC	0.08	
Isopropylbenzene	0.17	

MW09	Concentration (mg/L)	Criteria
Ethylbenzene	0.2	ANZG (2018) Marine water 95% toxicant DGVs
Xylene (m&p)	2.3	

MW312	Concentration (mg/L)	Criteria
Xylene (m&p)	0.094	ANZG (2018) Marine water 95% toxicant DGVs

MW10	Concentration (mg/L)	Criteria
F1 (C6-C10 minus BTEX)	7.1	NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand 4-8m
Ethylbenzene	2.8	ANZG (2018) Marine water 95% toxicant DGVs
Xylene (m&p)	2.9	
Isopropylbenzene	0.048	

JBMW 13	Concentration (mg/L)	Criteria
Benzene	0.69	ADWG (2011) Health x 10 (Recreational) - Updated March-2021
Toluene	5.1	ANZG (2018) Marine water 95% toxicant DGVs
Ethylbenzene	1.3	
Xylene (m&p)	1.2	

JBMW 12	Concentration (mg/L)	Criteria
Benzene	0.86	ANZG (2018) Marine water 95% toxicant DGVs
Toluene	4.5	
Ethylbenzene	0.17	
Xylene (m&p)	0.2	

JBMW05	Concentration (mg/L)	Criteria
Benzene	<0.025	ADWG (2011) Health x 10 (Recreational) - Updated March-2021
Ethylbenzene	3.2	ANZG (2018) Marine water 95% toxicant DGVs
Xylene (m&p)	1.4	
Isopropylbenzene	0.53	

JBMW06	Concentration (mg/L)	Criteria
Benzene	0.07	ADWG (2011) Health x 10 (Recreational) - Updated March-2021
Toluene	1.4	ANZG (2018) Marine water 95% toxicant DGVs
Ethylbenzene	0.76	
Xylene (m&p)	0.87	
Naphthalene_VOC	0.09	
Isopropylbenzene	0.059	

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)

Sample Locations

- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
- Allnex/Orica Monitoring Well
- Sentinel Wells (Installed June 2017)

JBS&G

Job No: 63638

Client: Allnex

Version: R03 Rev 2 | Date 19/01/2023

Drawn By: LJ | Checked By: JDM

Scale 1:1,500

0 15 30

metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

TRH & BTEX EXCEEDANCES GROUNDWATER

FIGURE 11

File Name: C:\Users\lprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220802

JBMW04	Concentration (µg/L)	Criteria
Analyte		
Perfluorooctanesulfonic acid (PFOS)	0.64	PFAS NEMP 2020 Table 5 Interim marine 95%

MW11	Concentration (µg/L)	Criteria
Analyte		
Perfluorooctanesulfonic acid (PFOS)	0.22	PFAS NEMP 2020 Table 5 Interim marine 95%

MW40S	Concentration (µg/L)	Criteria
Analyte		
Perfluorooctanesulfonic acid (PFOS)	0.36	PFAS NEMP 2020 Table 5 Interim marine 95%

JBMW10	Concentration (µg/L)	Criteria
Analyte		
Perfluorooctanesulfonic acid (PFOS)	0.19	PFAS NEMP 2020 Table 5 Interim marine 95%

WG233S	Concentration (µg/L)	Criteria
Analyte		
Perfluorooctanesulfonic acid (PFOS)	0.21	PFAS NEMP 2020 Table 5 Interim marine 95%

Legend:

- Aproximate Site Boundary
- NSW Cadastre (2022)

Sample Locations

- Sample Location
- Sample Well Location
- Existing Monitoring Well

Existing Monitoring Wells (Allnex Resins 2020)

- Allnex Monitoring Well (Installed prior to October 2015*)
- Orica Monitoring Well
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- Sentinel Wells (Installed June 2017)
- Air Sparging Soil Vapour Extraction Wells

JBS&G

Job No: 63638

Client: Allnex

Version: R03 Rev 2 | Date 19/01/2023

Drawn By: LJ | Checked By: JDM

Scale 1:1,500

0 15 30

metres

Coord. Sys. GDA 1994 MGA Zone 56

49-59 Stephen Rd
Botany, NSW 2019

PFOS EXCEEDANCES GROUNDWATER

FIGURE 12

File Name: C:\Users\jprohm\JBS&G Australia\JBS&G - DCS - Internal - Documents\Projects\Allnex\63638 PSI & DSI Stephen Road, Botany\GIS\02_MapProjects\63638_StephenRoadBotany_R03_Rev2.aprx
Reference: Nearmap www.nearmap.com 20220802

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

					Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
					Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					2	0.4	1	1	1	0.1	1	1	20	20	50	50	50	20	50	100	100	50	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																		82000	62000	85000	120000				1100	120000	85000			130000	
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil					3000	900	3600	240000	1500	730	6000	400000																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																															
0-1m																							260	NL	3	NL	NL			230	
1-2m																							370	NL	3	NL	NL			NL	
2-4m																							630	NL	3	NL	NL			NL	
>4m																							NL	NL	3	NL	NL			NL	
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind					160		310	85	1800		55	110																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																				1700	3300		215	170	75	135	165			180	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																		700	1000	3500	10000										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																															
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																															
PFAS NEMP 2020 Table 3 Interim EDE All land uses																															
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																											
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	<2	<0.4	<5	<5	12	<0.1	<5	<5	<20	30	130	77	237	<20	<50	180	<100	180	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	<2	<0.4	6.6	34	11	<0.1	14	32	<20	43	90	<50	133	20	<50	<100	<100	<100	<20	<50	<0.1	1.4	0.8	1.3	8.8	10	<0.5
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	<4	<0.4	5	25	9	<0.1	10	17	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	2	<1	<1	<2	<1	<1
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	<2	<0.4	11	48	9.2	<0.1	15	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	0.9	0.3	0.4	1.3	1.7	<0.5
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	29	70	<50	99	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	2.3	<0.4	6	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	<2	<0.4	<5	<5	49	<0.1	<5	52	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	8.8	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	<2	<0.4	<5	<5	8.5	<0.1	<5	16	<20	<20	120	<50	120	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<4	<0.4	2	7	9	<0.1	1	24	<25	<50	260	<100	260	<25	<50	270	<100	270	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		<4	<0.4	2	8	12	<0.1	2	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<2	<0.4	<5	<5	<5	<0.1	<5	15	<20	<20	180	<50	180	<20	<50	200	<100	200	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.8	0.3	0.6	0.9	<0.5
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	<2	0.7	27	14	230	2.6	5.1	99	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.2	<0.1	<0.2	<0.3	<0.5
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	<2	0.6	150	21	970	0.7	<5	370	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.1	<0.1	<0.2	<0.3	<0.5
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	21	15	290	0.1	<5	39	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	<2	<0.4	<5	<5	6.4	<0.1	<5	18	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	15	14	44	<0.1	<5	22	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	<2	<0.4	20	18	62	<0.1	<5	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	23	<5	120	<0.1	7	22	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	<2	<0.4	43	47	300	<0.1	6	39	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	<2	<0.4	5.1	23	9.7	<0.1	8.1	64	<20	42	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	0.5	0.2	2.3	5.2	7.5	<0.5
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	6.6	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	<2	<0.4	<5	<5	15	0.3	<5	13	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	90	<50	90	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	<2	<0.4	<5	<5	19	<0.1	<5	13	<20	<20	72	<50	72	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	2.4	<0.4	6.7	<5	5.1	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	<2	<0.4	<5	<5	6.8	<0.1	<5	<5	<20	<20	62	<50	62	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<4	<0.4	<1	2	6	<0.1	<1	4	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<2	<0.4	<5	<5	6.6	<0.1	<5	6	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	2.5	<0.4	6.7	<5	5.3	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	7.4	<5	<5	<0.1	<5	<5	39	150	250	150	550	51	130	350	140	620	28	130	<0.1	2.6	4	2.6	14	16	<0.5
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	1	1	1	0.1	1	1	20	20	50	50	50	20	50	100	100	50	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker														82000	62000	85000	120000				1100	120000	85000			130000	
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil	3000	900	3600	240000	1500	730	6000	400000																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																											
0-1m																			260	NL	3	NL	NL			230	
1-2m																			370	NL	3	NL	NL			NL	
2-4m																			630	NL	3	NL	NL			NL	
>4m																			NL	NL	3	NL	NL			NL	
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind	160		310	85	1800		55	110																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																1700	3300		215	170	75	135	165			180	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil														700	1000	3500	10000										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																											
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																											
PFAS NEMP 2020 Table 3 Interim EDE All land uses																											

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																									
BH19 0.2-0.3	BH19	0.2-0.3	29/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH19 1.0-1.1	BH19	1-1.1	29/10/2022	Sand	2.4	<0.4	5.3	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH20_0.2-0.3	BH20	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	8.4	<5	72	<0.1	<5	11	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH20_0.4-0.5	BH20	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	9.4	<5	<5	<0.1	<5	<5	<20	<20	50	<50	50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH20_1.4-1.5	BH20	1.4-1.5	30/10/2022	Fill, sand	2.1	<0.4	5.5	<5	5.9	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH21 0.2-0.3	BH21	0.2-0.3	29/10/2022	Fill, sand	<2	<0.4	<5	37	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	5	<0.4	3	52	1	<0.1	4	3	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	2.3	<0.4	<5	100	<5	<0.1	5.9	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH21 0.5-0.6	BH21	0.5-0.6	29/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH22_0-0.1	BH22	0-0.1	30/10/2022	Fill, silty sand	11	4.4	1000	210	5100	32	150	2100	<20	200	4700	3500	8400	<20	<250	7700	2000	9700	<20	4300	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH23-0.15-0.25	BH23	0.15-0.25	18/10/2022	Fill, silty sand	2.1	<0.4	32	13	250	0.1	20	88	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH23-0.3-0.4	BH23	0.3-0.4	18/10/2022	Sand	2.2	<0.4	<5	<5	<5	0.6	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH24_0.15_0.25	BH24	0.15-0.25	19/10/2022	Fill, sand	<2	<0.4	9.2	<5	160	<0.1	<5	20	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH24_0.3_0.4	BH24	0.3-0.4	19/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH25-0.15-0.25	BH25	0.15-0.25	21/10/2022	Fill, silty gravelly sand	<2	0.4	15	6.4	98	3.5	<5	44	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	<4	1	36	19	580	11	3	120	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	3.5	2.7	76	56	990	21	6.7	210	<20	<20	<50	52	52	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH25-1.0-1.1	BH25	1-1.1	21/10/2022	Fill, silty sand	<2	<0.4	61	11	550	<0.1	19	50	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH26-0.15-0.25	BH26	0.15-0.25	21/10/2022	Fill, silty gravelly sand	<2	<0.4	9.2	<5	50	0.4	<5	23	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH26-0.3-0.4	BH26	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-1.5-1.6	BH26	1.5-1.6	21/10/2022	Sand	<2	<0.4	5.1	<5	18	0.1	<5	16	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH27_0.2-0.3	BH27	0.2-0.3	18/10/2022	Fill, gravelly sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH28_0.2-0.3	BH28	0.2-0.3	30/10/2022	Fill, sand	2.4	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH28_0.4-0.5	BH28	0.4-0.5	30/10/2022	Fill, sand	2.1	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH29_0.2-0.3	BH29	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	62	<50	62	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH29_0.4-0.5	BH29	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH29_0.7-0.8	BH29	0.7-0.8	30/10/2022	Fill, sand	50	5.4	55	56	53	1.1	56	57	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH30 0.2-0.3	BH30	0.2-0.3	29/10/2022	Fill, sandy gravel	<2	<0.4	6.8	96	5.2	<0.1	13	19	<20	80	470	<50	550	<20	180	380	<100	560	<20	180	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH30 0.5-0.6	BH30	0.5-0.6	29/10/2022	Fill, sand	2.5	<0.4	<5	<5	<5	0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH31_0.2_0.3	BH31	0.2-0.3	20/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	53	<50	53	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH31_0.3_0.4	BH31	0.3-0.4	20/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH32 0.2-0.3	BH32	0.2-0.3	29/10/2022	Fill, gravelly sand	<2	<0.4	<5	19	53	<0.1	<5	26	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH32 0.5-0.6	BH32	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.2-0.3	BH33	0.2-0.3	29/10/2022	Fill, silty gravel	2.3	<0.4	7.9	38	14	<0.1	15	26	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.7	0.5	0.9	1.5	<0.5
QA06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	<4	<0.4	5	20	7	<0.1	11	12	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	2.1	<0.4	7.2	34	10	<0.1	16	19	<20	<20	62	<50	62	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	1.2	1.1	1.7	2.8	<0.5
BH33 0.5-0.6	BH33	0.5-0.6	29/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH34 0.2-0.3	BH34	0.2-0.3	29/10/2022	Fill, sand	<2	<0.4	<5	11	8.6	<0.1	<5	17	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	<4	<0.4	2	13	5	<0.1	3	21	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QA01 - [TRIPLICATE]	BH34	0.2-0.3	29/10/2022		<4	<0.4	2	3	6	<0.1	<1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	<2	<0.4	<5	50	7.1	<0.1	<5	17	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH34 1.0-1.1	BH34	1-1.1	29/10/2022	Fill, sand	57	<0.4	<5	<5	<5	<0.1	<5	5.2	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH35_0.2-0.3	BH35	0.2-0.3	30/10/2022	Fill, gravelly sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	68	99	61	228	<20	50	140	<100	190	<20	50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH35_0.4-0.5	BH35	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	5.8	<5	31	0.1	<5	23	<20	26	760	76	862	<20	75	720	<100	795	<20	75	<0.1	<0.1	<0.1	<0.1	0.4	0.4	<0.5
BH37_0.3-0.4	BH37	0.3-0.4	18/10/2022	Fill, silty sand	5.1	1.2	110	49	740	8.2	27	250	21	78	330	200	608	36	88	460	110	658	21	88	<0.1	5.2	1.6	2.7	5.4	8.1	<0.5
BH37_0.0-1.0	BH37	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_1.0-1.1	BH37	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_3.5-3.6	BH37	3.5-3.6	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	5600	1300	3500	940	5740	6300	1200	4000	530	5730	2600	1194	4	550	2400	180	560	730	6
BH38_0.2_0.3	BH38	0.2-0.3	19/10/2022	Fill, gravelly, silty sand	3	<0.4	700	25	3500	0.7	33	230	<20	<20	71	110	181	<20	<50	170	<100	170	<20	<50	<0.1	0.1	3.1	0.6	3.9	4.6	1.1
BH38-0.2-0.3	BH38	0.2-0.3	18/10/2022	Fill, gravely, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38_2_2.1	BH38	2-2.1	19/10/2022	Sand	<2	<0.4	<5	<5	6.4	<0.1	<5	5.2	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

					Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
					Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					2	0.4	1	1	1	0.1	1	1	20	20	50	50	50	20	50	100	100	50	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																		82000	62000	85000	120000				1100	120000	85000			130000	
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil					3000	900	3600	240000	1500	730	6000	400000																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																															
0-1m																							260	NL	3	NL	NL			230	
1-2m																							370	NL	3	NL	NL			NL	
2-4m																							630	NL	3	NL	NL			NL	
>4m																							NL	NL	3	NL	NL			NL	
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind					160		310	85	1800		55	110																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																				1700	3300		215	170	75	135	165			180	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																		700	1000	3500	10000										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																															
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																															
PFAS NEMP 2020 Table 3 Interim EDE All land uses																															
Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																											
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	<2	<0.4	26	19	190	1.1	6.9	88	<20	28	130	52	210	<20	<50	160	<100	160	<20	<50	<0.1	0.2	0.6	0.3	0.8	1.1	<0.5
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	<2	<0.4	<5	<5	35	0.1	<5	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	6.9	26	30	<0.1	<5	19	<20	28	61	<50	89	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	15	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	<4	<0.4	<1	<1	<1	<0.1	<1	1	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	<2	<0.4	6	8.9	34	<0.1	<5	20	<20	24	64	<50	88	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	3.5	<0.4	46	12	57	0.7	<5	93	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<4	<0.4	3	3	22	<0.1	<1	19	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<2	<0.4	<5	<5	20	<0.1	<5	17	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	4.1	<0.4	20	9.8	27	<0.1	<5	100	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	0.4	<0.1	<0.1	<0.2	<0.3	<0.5
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	8	<0.4	69	32	70	<0.1	<5	200	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	0.8	0.9	0.2	0.2	0.6	0.7	<0.5
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	2.4	<0.4	8.2	<5	21	<0.1	<5	20	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	0.2	0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	4.8	<0.4	21	13	39	<0.1	<5	260	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	<4	<0.4	10	7	25	<0.1	2	150	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	2.2	<0.4	7.9	5.9	26	<0.1	<5	100	<20	<20	<50	140	140	<20	<50	<100	220	220	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	11	<0.4	58	24	120	<0.1	5	220	<20	<20	55	70	125	<20	<50	110	<100	110	<20	<50	2.4	1.7	0.4	0.3	1.1	1.3	<0.5
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	2.7	0.4	17	39	89	<0.1	<5	160	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	<2	<0.4	43	120	19	<0.1	72	79	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	<4	<0.4	41	42	7	<0.1	50	36	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	<2	<0.4	32	42	12	<0.1	60	58	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	<2	<0.4	7	17	5.2	<0.1	29	28	<20	<20	<50	75	75	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	3.3	<0.4	120	27	15	0.1	89	110	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.4	<0.1	0.4	0.4	<0.5
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	<4	<0.4	7	12	12	<0.1	7	69	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	2.3	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	<2	<0.4	<5	<5	8.8	<0.1	<5	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	<2	<0.4	35	6.4	21	<0.1	<5	85	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	<2	<0.4	6.7	<5	32	<0.1	5.4	17	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	<2	<0.4	46	13	7.5	<0.1	53	30	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.2	<0.1	<0.2	<0.3	<0.5
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	<2	<0.4	11	<5	26	0.3	6.6	20	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	<2	<0.4	22	55	90	0.3	7.4	220	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	0.1	<0.1	0.1	<0.2	<0.3	<0.5
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	<2	<0.4	12	8	51	0.3	<5	54	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	<2	<0.4	22	12	82	0.4	<5	67	<20	<20	51	<50	51	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.3	0.2	0.5	0.7	<0.5
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	2.3	<0.4	54	6.8	11	<0.1	<5	47	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	3.5	1.8	110	60	770	21	8	560	<20	73	450	250	773	<20	85	620	160	865	<20	85	<0.1	0.7	1.5	0.6	1.1	1.7	<0.5
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	3.8	0.6	89	39	420	3.8	6.8	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	5.6	1.8	130	35	890	22	8.6	320	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	0.3	0.6	0.5	1.2	1.7	1
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	<200	<20	710	120	830	<200	54	300	<100	354	<200	54	<0.1	<0.1	57	0.5	8.4	8.9	<0.5
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	5	0.6	84	34	420	8.4	17	340	2400	2100	7100	980	10,180	3500	2300	7100	<100	9400	1800	2297.9	0.2	55	900	140	610	750	2.1
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<4	<0.4	59	30	290	7.8	10	160	2900	440	1900	120	2400	4200	600	1700	<100	2300	2500	600	0.2	41	900	140	600	740	2
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	4.8	0.7	84	38	410	11	13	240	1400	1300	4800	560	6660	2100	1500	4700	<500	6200	1100	1498.6	0.1	44	500	86	360	450	1.4

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

						Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
						Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL						2	0.4	1	1	1	0.1	1	1	20	20	50	50	50	20	50	100	100	50	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																			82000	62000	85000	120000				1100	120000	85000			130000	
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil						3000	900	3600	240000	1500	730	6000	400000																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																
0-1m																								260	NL	3	NL	NL			230	
1-2m																								370	NL	3	NL	NL			NL	
2-4m																								630	NL	3	NL	NL			NL	
>4m																								NL	NL	3	NL	NL			NL	
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind						160		310	85	1800		55	110																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																					1700	3300		215	170	75	135	165			180	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																			700	1000	3500	10000										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																												
BH58_0.5_0.6	BH58	0.5-0.6	19/10/2022	Fill, crushed sandstone	3.1	0.4	46	15	230	5.7	<5	240	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH58_4.5_4.6	BH58	4.5-4.6	19/10/2022	Fill, sand	5.2	<0.4	<5	11	37	0.4	<5	40	<20	<20	<50	55	55	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.4	<0.1	0.4	0.4	<0.5
BH59_0.2-0.3	BH59	0.2-0.3	30/10/2022	Fill, silty clay	<2	0.7	150	25	700	8	7.9	300	<20	180	1200	450	1830	<20	220	1500	270	1990	<20	220	<0.1	0.5	<0.1	0.7	0.9	1.6	<0.5
BH59_0.4-0.5	BH59	0.4-0.5	30/10/2022	Fill, silty clay	3.6	1.3	130	36	710	15	9.3	310	<20	350	2300	660	3310	<20	650	2400	380	3430	<20	650	<0.1	0.8	0.3	0.2	0.3	0.5	<0.5
BH59_0-0.1	BH59	0-0.1	30/10/2022	Fill, silty clay	<2	0.7	160	27	710	8.2	8.8	320	<20	250	1200	660	2110	<20	300	1600	310	2210	<20	300	<0.1	0.4	0.4	0.3	0.4	0.7	<0.5
BH60_0.2-0.3	BH60	0.2-0.3	30/10/2022	Fill, gravelly sand	3.5	1.6	170	53	940	8.8	25	560	<20	950	2700	1200	4850	<20	1100	3400	750	5250	<20	1098.8	<0.1	0.5	0.5	0.3	0.5	0.7	1.2
BH60_0-0.1	BH60	0-0.1	30/10/2022	Fill, silty clay	2.6	1.2	120	50	660	6.7	14	500	<20	160	1100	900	2160	<20	190	1800	490	2480	<20	190	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH61_0.2-0.3	BH61	0.2-0.3	17/10/2022	Fill, sand	<2	<0.4	5.9	<5	20	<0.1	<5	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH61_1.2-1.3	BH61	1.2-1.3	17/10/2022	Sand	<2	<0.4	12	<5	150	<0.1	<5	12	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH62_0.2-0.3	BH62	0.2-0.3	18/10/2022	Fill, gravelly sand	<2	<0.4	<5	<5	13	0.3	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH62_0.3-0.4	BH62	0.3-0.4	18/10/2022	Fill, sand	<2	<0.4	5.6	<5	39	0.7	<5	14	<20	75	230	75	380	<20	68	270	<100	338	<20	68	<0.1	0.4	6.4	0.4	1.4	1.8	<0.5
BH62_1.0-1.1	BH62	1-1.1	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	<20	50	110	73	233	<20	<50	150	<100	150	<20	<50	<0.1	<0.1	0.2	<0.1	<0.2	<0.3	<0.5
BH63 0.2-0.3	BH63	0.2-0.3	29/10/2022	Fill, sandy gravel	<2	<0.4	<5	12	<5	<0.1	10	9.7	<20	<20	56	<50	56	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QAP01	BH63	0.2-0.3	29/10/2022	BH63 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.5-0.6	BH63	0.5-0.6	29/10/2022	Fill, sand	2.1	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	<4	<0.4	2	<1	3	<0.1	<1	4	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QC02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	2.6	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH64 0.2-0.6	BH64	0.2-0.6	29/10/2022	Fill, gravelly sand	2.3	0.5	25	33	150	2.5	6.8	93	<20	<20	74	52	126	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH64 1.5-1.6	BH64	1.5-1.6	29/10/2022	Fill, gravelly sand	2.4	<0.4	9.3	43	28	1.1	5.1	49	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH65_0.4-0.5	BH65	0.4-0.5	17/10/2022	Fill, gravelly, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.1	BH65	0-0.1	17/10/2022	Fill, sandy clay	3.2	12	88	120	880	15	20	530	<20	<20	73	52	125	<20	<50	110	<100	110	<20	<50	<0.1	0.7	<0.1	0.2	0.3	0.5	<0.5
BH65_0.0-0.3	BH65	0-0.3	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_1.5-1.6	BH65	1.5-1.6	17/10/2022	Fill, sand	3.7	<0.4	140	91	1800	0.2	5.1	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_6.0-6.1	BH65	6-6.1	17/10/2022	Sand	-	-	-	-	-	-	-	-	500	360	270	55	685	710	250	290	<100	540	700	250	<0.1	<0.1	6.7	<0.1	1.1	1.1	<0.5
BH66_0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	5	2.5	150	290	2100	19	23	3100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.3-0.4	BH66	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.0-0.1	BH66	0-0.1	17/10/2022	Fill, silty, gravelly sand	7	1.5	160	190	8500	22	27	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	<4	1	120	55	710	13	12	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	4.7	1.8	150	160	1000	17	14	790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	<20	960	200	57	1217	160	820	230	<100	1050	150	815.7	<0.1	<0.1	<0.1	2.6	3.6	6.2	4.3
BH66-1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	0.2	<0.1	0.4	0.7	1.1	-
BH66_2.9-3.0	BH66	2.9-3	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	1100	9200	<500	<500	9200	6200	4800	<1000	<1000	4800	5600	4739	<0.1	0.2	21	120	460	580	61
BH67_0.2-0.3	BH67	0.2-0.3	17/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	0.4	0.2	0.4	0.6	-
BH67-0.3-0.4	BH67	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_0.5-0.6	BH67	0.5-0.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-0.5-0.6	BH67	0.5-0.6	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1.5-1.6	BH67	1.5-1.6	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_1.0-1.1	BH67	1-1.1	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.2	0.2	0.3	0.5	<0.5
BH67-1-1.1	BH67	1-1.1	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-2-2.1	BH67	2-2.1	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.2_0.3	BH68	0.2-0.3	19/10/2022	Fill, silty, gravelly sand	3.5	<0.4	290	31	840	12	82	140	340	320	1900	190	2410	480	380	2000	<100	2380	250	377.7	<0.1	3.8	110	18	98	120	2.3
BH68_0.3_0.4	BH68	0.3-0.4	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.5_0.6	BH68	0.5-0.6	19/10/2022	Fill, sand	3.4	<0.4	20	<5	200	6.9	<5	62	<20	<20	<50	53	53	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	0.2	<0.1	<0.2	<0.3	<0.5
BH69_0.15_0.25	BH69	0.15-0.25	18/10/2022	Fill, sandy gravel	2.4	<0.4	91	23	23	0.1	88	120	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH69_0.3_0.4	BH69	0.3-0.4	18/10/2022	Fill, gravelly sand	<2	<0.4	24	17	280	1.5	<5	140	<20	66	73	69	208	<20	61	130	<100	191	<20	61	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH70_0.2-0.3	BH70	0.2-0.3	18/10/2022	Fill, gravelly sand	<2	<0.4	62	11	290	0.6	15	96	<20	21	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH71 0.2-0.3	BH71	0.2-0.3	29/10/2022	Fill, sandy gravel	2.1	<0.4	170	41	5.9	<0.1	120	64	<20	59	320	<50	379	<20	120	270	<100	390	<20	120	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	<4	<0.4	71	25	4	<0.1	68	37	<25	50	220	<100	270	<25	110	150	<100	260	<25	110	<0.2	<0.5	<1	<1	<2	<1	<1
QC04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	<2	<0.4	82	25	<5	<0.1	84	48	<20	30	250	<50	280	<20	81	220	<100	301	<20	81	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH71 0.5-0.6	BH71	0.5-0.6	29/10/2022	Fill, sand	<2	<0.4	<5	<5	<5	<0.1	<5	5.6	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Metals & Metalloids							TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
				Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				2	0.4	1	1	1	0.1	1	1	20	20	50	50	50	20	50	100	100	50	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																	82000	62000	85000	120000				1100	120000	85000			130000	
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil				3000	900	3600	240000	1500	730	6000	400000																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																														
0-1m																						260	NL	3	NL	NL			230	
1-2m																						370	NL	3	NL	NL			NL	
2-4m																						630	NL	3	NL	NL			NL	
>4m																						NL	NL	3	NL	NL			NL	
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind				160		310	85	1800		55	110																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																			1700	3300		215	170	75	135	165			180	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																	700	1000	3500	10000										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																														
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																														
PFAS NEMP 2020 Table 3 Interim EDE All land uses																														
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																										
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	3.4	0.9	160	39	910	9.4	13	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	<20	120	300	210	630	<20	130	440	120	690	<20	130	<0.1	0.2	0.2	0.1	0.2	0.4	<0.5

* US EPA Regional Screening Levels - Industrial Soil

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	PAH																											
	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)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)	2-(acetylamino) fluorene	Pentachlorophenol
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.5	1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																					29000					
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil	3000*								40	40	40													4000		660
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																										
0-1m																					NL					
1-2m																					NL					
2-4m																					NL					
>4m																					NL					
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																					370					
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)								1.4																		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																										
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																										
PFAS NEMP 2020 Table 3 Interim EDE All land uses																										

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																										
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	<1	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<5
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	-	-	<1
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	<1	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<5
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<1	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

										PAH																				
	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)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)	2-(acetylamino) fluorene	Pentachlorophenol
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.5	1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																					29000					
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil	3000*								40	40	40													4000		660
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																										
0-1m																					NL					
1-2m																					NL					
2-4m																					NL					
>4m																					NL					
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																					370					
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)								1.4																		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																										
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																										
PFAS NEMP 2020 Table 3 Interim EDE All land uses																										

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																										
BH19 0.2-0.3	BH19	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
BH19 1.0-1.1	BH19	1-1.1	29/10/2022	Sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH20_0.2-0.3	BH20	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH20_0.4-0.5	BH20	0.4-0.5	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH20_1.4-1.5	BH20	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.2-0.3	BH21	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
QA03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.5-0.6	BH21	0.5-0.6	29/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH22_0-0.1	BH22	0-0.1	30/10/2022	Fill, silty sand	<1	<1	<1	<1	<1	<1	<1	<1	2.4	1.2	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	<2
BH23-0.15-0.25	BH23	0.15-0.25	18/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH23-0.3-0.4	BH23	0.3-0.4	18/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.15_0.25	BH24	0.15-0.25	19/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH24_0.3_0.4	BH24	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-0.15-0.25	BH25	0.15-0.25	21/10/2022	Fill, silty gravelly sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.1	-	-
QC20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH25-1.0-1.1	BH25	1-1.1	21/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.5	-	-
BH26-0.15-0.25	BH26	0.15-0.25	21/10/2022	Fill, silty gravelly sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH26-0.3-0.4	BH26	0.3-0.4	21/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH26-1.5-1.6	BH26	1.5-1.6	21/10/2022	Sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH27_0.2-0.3	BH27	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH28_0.2-0.3	BH28	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH28_0.4-0.5	BH28	0.4-0.5	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH29_0.2-0.3	BH29	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH29_0.4-0.5	BH29	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.7-0.8	BH29	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30 0.2-0.3	BH30	0.2-0.3	29/10/2022	Fill, sandy gravel	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH30 0.5-0.6	BH30	0.5-0.6	29/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH31_0.2_0.3	BH31	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.3_0.4	BH31	0.3-0.4	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH32 0.2-0.3	BH32	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH32 0.5-0.6	BH32	0.5-0.6	29/10/2022	Sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH33 0.2-0.3	BH33	0.2-0.3	29/10/2022	Fill, silty gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
QA06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.5-0.6	BH33	0.5-0.6	29/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH34 0.2-0.3	BH34	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
QA01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	-	-
QA01 - [TRIPLICATE]	BH34	0.2-0.3	29/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH34 1.0-1.1	BH34	1-1.1	29/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH35_0.2-0.3	BH35	0.2-0.3	30/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH35_0.4-0.5	BH35	0.4-0.5	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH37_0.3-0.4	BH37	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.0-1.0	BH37	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_1.0-1.1	BH37	1-1.1	18/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	0.6	-	-
BH37_3.5-3.6	BH37	3.5-3.6	18/10/2022	Fill, gravelly sand	<1	<1	<1	<1	<1	<1	<1	<1	2.4	1.2	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	3.8	<1	<1	-	-	<2
BH38_0.2_0.3	BH38	0.2-0.3	19/10/2022	Fill, gravelly, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	1.9	-	-
BH38-0.2-0.3	BH38	0.2-0.3	18/10/2022	Fill, gravely, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	-	-	<1
BH38_2_2.1	BH38	2-2.1	19/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

										PAH																			
	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)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)	2-(acetylamino) fluorene	Pentachlorophenol
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.5	1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																					29000					
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil	3000*								40	40	40													4000		660
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																										
0-1m																					NL					
1-2m																					NL					
2-4m																					NL					
>4m																					NL					
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																					370					
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)								1.4																		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																										
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																										
PFAS NEMP 2020 Table 3 Interim EDE All land uses																										

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																									
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	0.8	-	-
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.5 - 0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.05	<0.5	<5
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	<0.1	<0.1	<0.1	<0.1	0.07	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.3	-	-
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<5
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	0.8	-	-
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	<1	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	-	-	<1
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<5
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<1	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	0.6	-	-	<1

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

						PAH																									
						2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)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)	2-(acetylamino) fluorene	Pentachlorophenol
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.5	1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																									29000					
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil						3000*								40	40	40												4000		660
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																														
0-1m																									NL					
1-2m																									NL					
2-4m																									NL					
>4m																									NL					
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																									370					
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)													1.4																	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																														
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																														
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																														
PFAS NEMP 2020 Table 3 Interim EDE All land uses																														
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																											
BH58_0.5_0.6	BH58	0.5-0.6	19/10/2022	Fill, crushed sandstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH58_4.5_4.6	BH58	4.5-4.6	19/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH59_0.2-0.3	BH59	0.2-0.3	30/10/2022	Fill, silty clay	<1	<1	<1	<1	<1	<1	<1	<1	2.4	1.2	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	-	-	<2
BH59_0.4-0.5	BH59	0.4-0.5	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59_0-0.1	BH59	0-0.1	30/10/2022	Fill, silty clay	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	0.7	-	-
BH60_0.2-0.3	BH60	0.2-0.3	30/10/2022	Fill, gravelly sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	1.1	-	-
BH60_0-0.1	BH60	0-0.1	30/10/2022	Fill, silty clay	<1	<1	<1	<1	<1	<1	<1	<1	2.4	1.2	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	<2
BH61_0.2-0.3	BH61	0.2-0.3	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH61_1.2-1.3	BH61	1.2-1.3	17/10/2022	Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH62_0.2-0.3	BH62	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH62_0.3-0.4	BH62	0.3-0.4	18/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
BH62_1.0-1.1	BH62	1-1.1	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.2-0.3	BH63	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<1
QAP01	BH63	0.2-0.3	29/10/2022	BH63 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.5-0.6	BH63	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 0.2-0.6	BH64	0.2-0.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 1.5-1.6	BH64	1.5-1.6	29/10/2022	Fill, gravelly sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH65_0.4-0.5	BH65	0.4-0.5	17/10/2022	Fill, gravelly, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.1	BH65	0-0.1	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.3	BH65	0-0.3	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_1.5-1.6	BH65	1.5-1.6	17/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH65_6.0-6.1	BH65	6-6.1	17/10/2022	Sand	0.7	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
BH66_0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.3-0.4	BH66	0.3-0.4	17/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH66_0.0-0.1	BH66	0-0.1	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	0.05	<0.5	<0.5	<0.5	-	0.3	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.5	-	-
QC20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH66_1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	2.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	-	-	<1
BH66_2.9-3.0	BH66	2.9-3	17/10/2022	Fill, sand	39	<1	<1	<1	<1	<1	<1	<1	2.4	1.2	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	72	<1	<1	-	-	<2
BH67_0.2-0.3	BH67	0.2-0.3	17/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-0.3-0.4	BH67	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_0.5-0.6	BH67	0.5-0.6	17/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH67-0.5-0.6	BH67	0.5-0.6	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1.5-1.6	BH67	1.5-1.6	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_1.0-1.1	BH67	1-1.1	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1-1.1	BH67	1-1.1	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-2-2.1	BH67	2-2.1	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.2_0.3	BH68	0.2-0.3	19/10/2022	Fill, silty, gravelly sand	<1	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	-	-	<1
BH68_0.3_0.4	BH68	0.3-0.4	19/10/2022	Fill, silty, gravelly sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH68_0.5_0.6	BH68	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH69_0.15_0.25	BH69	0.15-0.25	18/10/2022	Fill, sandy gravel	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH69_0.3_0.4	BH69	0.3-0.4	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH70_0.2-0.3	BH70	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
BH71 0.2-0.3	BH71	0.2-0.3	29/10/2022	Fill, sandy gravel	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<1
QA04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH71 0.5-0.6	BH71	0.5-0.6	29/10/2022	Fill, sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	PAH																											
	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)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)	2-(acetylamino) fluorene	Pentachlorophenol
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.5	1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																					29000					
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil	3000*								40	40	40													4000		660
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																										
0-1m																					NL					
1-2m																					NL					
2-4m																					NL					
>4m																					NL					
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																					370					
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)								1.4																		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																										
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																										
PFAS NEMP 2020 Table 3 Interim EDE All land uses																										

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																									
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	0.8	-	-

* US EPA Regional Screening Levels - Industrial Soil

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

									Organochlorine Pesticides																	
									4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.5	0.5	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																45	530					3600				100			50		2500	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																
0-1m																																
1-2m																																
2-4m																																
>4m																																
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																					640											
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																												
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	3.8 - 4.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	130 - 140	1.8 - 3.3	147.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<500
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	290	46	350	<1	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<0.5	<0.5	<1	-
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	5.9 - 6.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5 - 0.24	0.24	<0.1	-	-	140 - 220	6.6 - 44	233.2	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<500
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

									Organochlorine Pesticides																		
									4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.5	0.5	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																45	530					3600				100			50		2500	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																
0-1m																																
1-2m																																
2-4m																																
>4m																																
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																					640											
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																												
BH19 0.2-0.3	BH19	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH19 1.0-1.1	BH19	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_0.2-0.3	BH20	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH20_0.4-0.5	BH20	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_1.4-1.5	BH20	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.2-0.3	BH21	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.5-0.6	BH21	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22_0-0.1	BH22	0-0.1	30/10/2022	Fill, silty sand	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	<1	2	-	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	-
BH23-0.15-0.25	BH23	0.15-0.25	18/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH23-0.3-0.4	BH23	0.3-0.4	18/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.15_0.25	BH24	0.15-0.25	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.3_0.4	BH24	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-0.15-0.25	BH25	0.15-0.25	21/10/2022	Fill, silty gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-1.0-1.1	BH25	1-1.1	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-0.15-0.25	BH26	0.15-0.25	21/10/2022	Fill, silty gravelly sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<1 - 0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH26-0.3-0.4	BH26	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-1.5-1.6	BH26	1.5-1.6	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH27_0.2-0.3	BH27	0.2-0.3	18/10/2022	Fill, gravelly sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH28_0.2-0.3	BH28	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH28_0.4-0.5	BH28	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.2-0.3	BH29	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH29_0.4-0.5	BH29	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.7-0.8	BH29	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30 0.2-0.3	BH30	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH30 0.5-0.6	BH30	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.2_0.3	BH31	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.3_0.4	BH31	0.3-0.4	20/10/2022	Fill, sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH32 0.2-0.3	BH32	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH32 0.5-0.6	BH32	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.2-0.3	BH33	0.2-0.3	29/10/2022	Fill, silty gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.5-0.6	BH33	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 0.2-0.3	BH34	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA01 - [TRIPLICATE]	BH34	0.2-0.3	29/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 1.0-1.1	BH34	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_0.2-0.3	BH35	0.2-0.3	30/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH35_0.4-0.5	BH35	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.3-0.4	BH37	0.3-0.4	18/10/2022	Fill, silty sand	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	2.6	1	5.1	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
BH37_0.0-1.0	BH37	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_1.0-1.1	BH37	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_3.5-3.6	BH37	3.5-3.6	18/10/2022	Fill, gravelly sand	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
BH38_0.2_0.3	BH38	0.2-0.3	19/10/2022	Fill, gravelly, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38-0.2-0.3	BH38	0.2-0.3	18/10/2022	Fill, gravely, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH38_2_2.1	BH38	2-2.1	19/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Organochlorine Pesticides																								
	4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.5	0.5	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																								
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil								45	530					3600				100			50		2500	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																								
0-1m																								
1-2m																								
2-4m																								
>4m																								
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind												640												
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																								
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																								
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																								
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																								
PFAS NEMP 2020 Table 3 Interim EDE All land uses																								

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																							
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<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	-
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	3.1	5	9.7	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	<1	<1	-	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	-
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	<1	1.1	-	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

									Organochlorine Pesticides																	
									4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.5	0.5	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																45	530					3600				100			50		2500	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																
0-1m																																
1-2m																																
2-4m																																
>4m																																
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																					640											
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																												
BH58_0.5_0.6	BH58	0.5-0.6	19/10/2022	Fill, crushed sandstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH58_4.5_4.6	BH58	4.5-4.6	19/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH59_0.2-0.3	BH59	0.2-0.3	30/10/2022	Fill, silty clay	<10	<1	<1	<1	<1	<1	<1	-	-	-	-	46	2.9	-	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	-
BH59_0.4-0.5	BH59	0.4-0.5	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59_0-0.1	BH59	0-0.1	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0.2-0.3	BH60	0.2-0.3	30/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0-0.1	BH60	0-0.1	30/10/2022	Fill, silty clay	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	2.2	<1	-	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	-
BH61_0.2-0.3	BH61	0.2-0.3	17/10/2022	Fill, sand	0.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH61_1.2-1.3	BH61	1.2-1.3	17/10/2022	Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH62_0.2-0.3	BH62	0.2-0.3	18/10/2022	Fill, gravelly sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH62_0.3-0.4	BH62	0.3-0.4	18/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH62_1.0-1.1	BH62	1-1.1	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.2-0.3	BH63	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
QAP01	BH63	0.2-0.3	29/10/2022	BH63 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.5-0.6	BH63	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 0.2-0.6	BH64	0.2-0.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 1.5-1.6	BH64	1.5-1.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.4-0.5	BH65	0.4-0.5	17/10/2022	Fill, gravelly, sandy clay	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	6	2.1	10.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
BH65_0.0-0.1	BH65	0-0.1	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.3	BH65	0-0.3	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_1.5-1.6	BH65	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_6.0-6.1	BH65	6-6.1	17/10/2022	Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH66_0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH66_0.3-0.4	BH66	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.0-0.1	BH66	0-0.1	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	1.2	2.3	4.5	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-
QC20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
BH66_1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
BH66_2.9-3.0	BH66	2.9-3	17/10/2022	Fill, sand	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
BH67_0.2-0.3	BH67	0.2-0.3	17/10/2022	Fill, gravelly sand	230	2.7	0.05	0.08	0.47	<0.05	<0.05	<0.05	0.1	-	-	11,000	350	11,580	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH67-0.3-0.4	BH67	0.3-0.4	17/10/2022	Fill, sand	130	4.8	0.06	0.2	0.7	<0.05	<0.05	<0.05	0.1	-	-	7800	330	8260	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<30,000
BH67_0.5-0.6	BH67	0.5-0.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-0.5-0.6	BH67	0.5-0.6	7/10/2022	Fill, sand	36	0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	160	27	223	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH67-1.5-1.6	BH67	1.5-1.6	7/10/2022	Sand	2.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	9.7	0.56	12.36	<0.05	0.31	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH67_1.0-1.1	BH67	1-1.1	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1-1.1	BH67	1-1.1	7/10/2022	Fill, sand	0.93	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	3.3	0.34	4.57	<0.05	0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH67-2-2.1	BH67	2-2.1	7/10/2022	Sand	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.26	0.12	0.45	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH68_0.2_0.3	BH68	0.2-0.3	19/10/2022	Fill, silty, gravelly sand	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	<1	1.4	-	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	-
BH68_0.3_0.4	BH68	0.3-0.4	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.5_0.6	BH68	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH69_0.15_0.25	BH69	0.15-0.25	18/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
BH69_0.3_0.4	BH69	0.3-0.4	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH70_0.2-0.3	BH70	0.2-0.3	18/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
BH71 0.2-0.3	BH71	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<1	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH71 0.5-0.6	BH71	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

									Organochlorine Pesticides																	
									4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.5	0.5	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																45	530					3600				100			50		2500	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																
0-1m																																
1-2m																																
2-4m																																
>4m																																
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																				640												
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																												
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	4.9	1.8	8.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10

* US EPA Regional Screening Levels - Industrial Soil

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

					Chlorinated Alkanes																					Chlorinated Alkenes																			
					1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Hexachloroethane	Pentachloroethane	Trichlorofluoromethane	1,1-dichloroethene	1,1-dichloropropene	2-chlorotoluene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	1-Chloronaphthalene	2-Chloronaphthalene	Bis(2-chloroethoxy) methane	Hexachloropropene	Dibenz(a,j)acridine	Acetophenone	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl) ether
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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	1	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																											
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																	2.9*																								12000*		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																										
0-1m																																										
1-2m																																										
2-4m																																										
>4m																																										
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																										
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																										
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																										
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																										
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																										
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																																								
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	-	<1	<1	-	<1
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<0.5	<0.5	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	-	<0.5	<1	<0.5	-	<1	<1	<1
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	0.5	-	<0.5
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	-	<1	<1	-	<1
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<0.5	<0.5	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	-	<0.5	<1	<0.5	-	<1	<1	<1
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	-	<1	<1	-	<1
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

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Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Chlorinated Alkanes																				Chlorinated Alkenes																			
	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Hexachloroethane	Pentachloroethane	Trichlorofluoromethane	1,1-dichloroethene	1,1-dichloropropene	2-chlorotoluene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	1-Chloronaphthalene	2-Chloronaphthalene	Bis(2-chloroethoxy) methane	Hexachloropropene	Dibenz(a,j)acridine	Acetophenone	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl) ether
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																								
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil													2.9*																									12000*		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																								
0-1m																																								
1-2m																																								
2-4m																																								
>4m																																								
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																								
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																								
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																								
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																								
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																								
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																								

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																						
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<0.5	<0.5	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	-	<0.5	<1	<0.5	-	<1	<1	<1
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<1	<0.5	-	<1	<1	<1
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	-	<1	<10	-	<1
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<0.5	<0.5	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	-	<0.5	<1	<0.5	-	<1	<1	<1
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<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	<0.5	<1	-	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	-	<1	<2	-	<1

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

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Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Chlorinated Alkanes																				Chlorinated Alkenes																							
	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Hexachloroethane	Pentachloroethane	Trichlorofluoromethane	1,1-dichloroethene	1,1-dichloropropene	2-chlorotoluene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	1-Chloronaphthalene	2-Chloronaphthalene	Bis(2-chloroethoxy) methane	Hexachloropropene	Dibenz(a,j)acridine	Acetophenone	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl) ether
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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	0.5	0.5	1	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																										
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil													2.9*																									12000*		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																										
0-1m																																										
1-2m																																										
2-4m																																										
>4m																																										
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																										
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																										
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																										
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																										
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																										

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																										
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* US EPA Regional Screening Levels - Industrial Soil

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

					Semivolatile Organic Compounds																							Solvents			Polychlorinated Biphenyls								Phenols								
					4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	2,6-dinitrotoluene	2-Picoline	4-Aminobiphenyl	N-Nitrosomorpholine	N-Nitrosopiperidine	2-methyl-5-nitroaniline	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-Naphthylamine	2-Naphthylamine	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	Azobenzene	Diphenylamine	Carbazole	Butyl benzyl phthalate	Dibenzofuran	Isosafrole	Methapyrilene	Phenacetin	Acetone	Isophorone	Benzyl chloride	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	2,3,4,6-tetrachlorophenol	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,4-dimethylphenol	2,4-dinitrophenol	2,6-dichlorophenol	2-chlorophenol
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1	0.5	0.5	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	1	0.5	0.5	1	1	1	0.5	1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																													
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																			7									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																												
0-1m																																												
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NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																												
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																												
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																												
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																												
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																												
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																												
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																																										
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	-	-	-	<0.5	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<1	<1	<1	-	-	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<2	<2	<1	<1	-	<1	-	<1	<1	-	-	-	<0.5	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<1	<1	<1	-	-	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	-	-	-	<0.5	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Semivolatile Organic Compounds																						Solvents			Polychlorinated Biphenyls								Phenols							
	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	2,6-dinitrotoluene	2-Picoline	4-Aminobiphenyl	N-Nitrosomorpholine	N-Nitrosopiperidine	2-methyl-5-nitroaniline	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-Naphthylamine	2-Naphthylamine	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	Azobenzene	Diphenylamine	Carbazole	Butyl benzyl phthalate	Dibenzofuran	Isosafrole	Methapyrilene	Phenacetin	Acetone	Isophorone	Benzyl chloride	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	2,3,4,6-tetrachlorophenol	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,4-dimethylphenol	2,4-dinitrophenol	2,6-dichlorophenol	2-chlorophenol
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1	0.5	0.5	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	1	0.5	0.5	1	1	1	0.5	1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																								
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																7								
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																								
0-1m																																								
1-2m																																								
2-4m																																								
>4m																																								
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																								
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																								
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																								
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																								
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																								
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																								

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																						
BH19 0.2-0.3	BH19	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH19 1.0-1.1	BH19	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_0.2-0.3	BH20	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH20_0.4-0.5	BH20	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_1.4-1.5	BH20	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.2-0.3	BH21	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QA03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.5-0.6	BH21	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22_0-0.1	BH22	0-0.1	30/10/2022	Fill, silty sand	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	-	-	-	<0.5	-	<1	-	-	-	-	-	-	-	-	<1	<2	<2	<1	<1	<10	<1	<1
BH23-0.15-0.25	BH23	0.15-0.25	18/10/2022	Fill, silty sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH23-0.3-0.4	BH23	0.3-0.4	18/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.15_0.25	BH24	0.15-0.25	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.3_0.4	BH24	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-0.15-0.25	BH25	0.15-0.25	21/10/2022	Fill, silty gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-1.0-1.1	BH25	1-1.1	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-0.15-0.25	BH26	0.15-0.25	21/10/2022	Fill, silty gravelly sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<5	<5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH26-0.3-0.4	BH26	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-1.5-1.6	BH26	1.5-1.6	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH27_0.2-0.3	BH27	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-
BH28_0.2-0.3	BH28	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH28_0.4-0.5	BH28	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.2-0.3	BH29	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH29_0.4-0.5	BH29	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.7-0.8	BH29	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30 0.2-0.3	BH30	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH30 0.5-0.6	BH30	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.2_0.3	BH31	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.3_0.4	BH31	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32 0.2-0.3	BH32	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH32 0.5-0.6	BH32	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.2-0.3	BH33	0.2-0.3	29/10/2022	Fill, silty gravel	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QA06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.5-0.6	BH33	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 0.2-0.3	BH34	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QA01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA01 - [TRIPLICATE]	BH34	0.2-0.3	29/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 1.0-1.1	BH34	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_0.2-0.3	BH35	0.2-0.3	30/10/2022	Fill, gravelly sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH35_0.4-0.5	BH35	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.3-0.4	BH37	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-
BH37_0.0-1.0	BH37	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_1.0-1.1	BH37	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_3.5-3.6	BH37	3.5-3.6	18/10/2022	Fill, gravelly sand	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<5	<1	<1	-	<1	-	<1	<1	-	-	-	<0.5	-	<1	-	-	-	-	-	-	-	-	<1	<2	<2	<1	<1	<10	<1	<1
BH38_0.2_0.3	BH38	0.2-0.3	19/10/2022	Fill, gravelly, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38-0.2-0.3	BH38	0.2-0.3	18/10/2022	Fill, gravely, silty sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH38_2_2.1	BH38	2-2.1	19/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Semivolatile Organic Compounds																						Solvents			Polychlorinated Biphenyls								Phenols							
	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	2,6-dinitrotoluene	2-Picoline	4-Aminobiphenyl	N-Nitrosomorpholine	N-Nitrosopiperidine	2-methyl-5-nitroaniline	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-Naphthylamine	2-Naphthylamine	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	Azobenzene	Diphenylamine	Carbazole	Butyl benzyl phthalate	Dibenzofuran	Isosafrole	Methapyrilene	Phenacetin	Acetone	Isophorone	Benzyl chloride	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	2,3,4,6-tetrachlorophenol	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,4-dimethylphenol	2,4-dinitrophenol	2,6-dichlorophenol	2-chlorophenol
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1	0.5	0.5	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	1	0.5	0.5	1	1	1	0.5	1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																									
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																7									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																									
0-1m																																									
1-2m																																									
2-4m																																									
>4m																																									
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																									
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																									
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																									
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																									
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																									
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																									

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																							
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<1	<1	<1	-	-	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.5	<0.5	<1	<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	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<5	<5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	<1	<1	<1	-	-	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<5	<5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<5	<5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<2	<2	<1	<1	-	<1	-	<1	<1	-	-	-	<0.5	-	<1	-	-	-	-	-	-	-	-	-	<1	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<1	<1	<1	-	-	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	-	-	-	<0.5	-	<1	-	-	-	-	-	-	-	-	-	<1	<1	<1	<0.5	<0.5	<5	<0.5	<0.5

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

					Semivolatile Organic Compounds																							Solvents			Polychlorinated Biphenyls								Phenols								
					4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	2,6-dinitrotoluene	2-Picoline	4-Aminobiphenyl	N-Nitrosomorpholine	N-Nitrosopiperidine	2-methyl-5-nitroaniline	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-Naphthylamine	2-Naphthylamine	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	Azobenzene	Diphenylamine	Carbazole	Butyl benzyl phthalate	Dibenzofuran	Isosafrole	Methapyrilene	Phenacetin	Acetone	Isophorone	Benzyl chloride	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	2,3,4,6-tetrachlorophenol	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,4-dimethylphenol	2,4-dinitrophenol	2,6-dichlorophenol	2-chlorophenol
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1	0.5	0.5	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	1	0.5	0.5	1	1	1	0.5	1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																														
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																		7											
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																													
0-1m																																													
1-2m																																													
2-4m																																													
>4m																																													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																													
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																													
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																													
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																													
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																													
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																													
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																																											
BH58_0.5_0.6	BH58	0.5-0.6	19/10/2022	Fill, crushed sandstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH58_4.5_4.6	BH58	4.5-4.6	19/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<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	<5	<0.5	<0.5
BH59_0.2-0.3	BH59	0.2-0.3	30/10/2022	Fill, silty clay	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	-	-	-	<0.5	-	<1	-	-	-	-	-	-	-	-	<1	<2	<2	<1	<1	<10	<1	<1
BH59_0.4-0.5	BH59	0.4-0.5	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59_0-0.1	BH59	0-0.1	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0.2-0.3	BH60	0.2-0.3	30/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0-0.1	BH60	0-0.1	30/10/2022	Fill, silty clay	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	-	-	-	<0.5	-	<1	-	-	-	-	-	-	-	-	<1	<2	<2	<1	<1	<10	<1	<1
BH61_0.2-0.3	BH61	0.2-0.3	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-
BH61_1.2-1.3	BH61	1.2-1.3	17/10/2022	Sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH62_0.2-0.3	BH62	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-
BH62_0.3-0.4	BH62	0.3-0.4	18/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<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	<5	<0.5	<0.5
BH62_1.0-1.1	BH62	1-1.1	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.2-0.3	BH63	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QAP01	BH63	0.2-0.3	29/10/2022	BH63 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.5-0.6	BH63	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 0.2-0.6	BH64	0.2-0.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 1.5-1.6	BH64	1.5-1.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.4-0.5	BH65	0.4-0.5	17/10/2022	Fill, gravelly, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-
BH65_0.0-0.1	BH65	0-0.1	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.3	BH65	0-0.3	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_1.5-1.6	BH65	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_6.0-6.1	BH65	6-6.1	17/10/2022	Sand	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<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	<5	<0.5	<0.5
BH66_0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.3-0.4	BH66	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.0-0.1	BH66	0-0.1	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-
QC20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-
BH66_1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	<0.5	<0.5	<1	<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	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH66_2.9-3.0	BH66	2.9-3	17/10/2022	Fill, sand	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<5	<1	<1	-	<1	-	<1	<1	<1	-	-	-	<0.5	-	<1	-	-	-	-	-	-	-	-	<1	<2	<2	<1	<1	<10	<1	<1
BH67_0.2-0.3	BH67	0.2-0.3	17/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-
BH67-0.3-0.4	BH67	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_0.5-0.6	BH67	0.5-0.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-0.5-0.6	BH67	0.5-0.6	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1.5-1.6	BH67	1.5-1.6	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_1.0-1.1	BH67	1-1.1	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1-1.1	BH67	1-1.1	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-2-2.1	BH67	2-2.1	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.2_0.3	BH68	0.2-0.3	19/10/2022	Fill, silty, gravelly sand	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	-	-	-	<0.5	-	<1	-	-	-	-	-	-	-	-	<1	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
BH68_0.3_0.4	BH68	0.3-0.4	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.5_0.6	BH68	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH69_0.15_0.25	BH69	0.15-0.25	18/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-
BH69_0.3_0.4	BH69	0.3-0.4	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH70_0.2-0.3	BH70	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-
BH71 0.2-0.3	BH71	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<1	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5
QA04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH71 0.5-0.6	BH71	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Semivolatile Organic Compounds																						Solvents			Polychlorinated Biphenyls								Phenols							
	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	2,6-dinitrotoluene	2-Picoline	4-Aminobiphenyl	N-Nitrosomorpholine	N-Nitrosopiperidine	2-methyl-5-nitroaniline	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-Naphthylamine	2-Naphthylamine	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	Azobenzene	Diphenylamine	Carbazole	Butyl benzyl phthalate	Dibenzofuran	Isosafrole	Methapyrilene	Phenacetin	Acetone	Isophorone	Benzyl chloride	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	2,3,4,6-tetrachlorophenol	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,4-dimethylphenol	2,4-dinitrophenol	2,6-dichlorophenol	2-chlorophenol
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	1	0.5	0.5	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	1	0.5	0.5	1	1	1	0.5	1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																									
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																7									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																									
0-1m																																									
1-2m																																									
2-4m																																									
>4m																																									
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																									
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																									
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																									
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																									
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																									
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																									

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																							
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-

* US EPA Regional Screening Levels - Industrial Soil

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

									PFAS																										
	2-Methylphenol	2-nitrophenol	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4-Chloro-3-Methylphenol	4-nitrophenol	Phenol	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeF	N-Ethyl perfluorooctane sulfonamide (NEtFOS	N-Methylperfluorooctanesulfonamidoethanol	N-ethylperfluorooctanesulfonamidoethanol (N	N-methylperfluorooctane sulfonamidoacetic a	N-ethyl-perfluorooctanesulfonamidoacetic aci	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorononanesulfonic acid (PFNS)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.2	0.5	0.4	5	1	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	0.005	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																			
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							240000																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																			
0-1m																																			
1-2m																																			
2-4m																																			
>4m																																			
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																			
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																			
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																			
PFAS NEMP 2020 Table 2 Health Industrial/Commercial												50																		20		20		
PFAS NEMP 2020 Table 3 Interim EDE All land uses												10																				1		

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																	
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	<0.5	<1	<1	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<0.5	<0.5	<1	<10	<5	<10	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.2	<1	<0.4	<5	<1	<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	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	<0.5	<1	<1	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<0.5	<0.5	<1	<10	<5	<10	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<0.5	<1	<1	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

								PFAS																									
	2-Methylphenol	2-nitrophenol	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4-Chloro-3-Methylphenol	4-nitrophenol	Phenol	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeF	N-Ethyl perfluorooctane sulfonamide (NEtFOS	N-Methylperfluorooctanesulfonamidoethanol	N-ethylperfluorooctanesulfonamidoethanol (N	N-methylperfluorooctane sulfonamidoacetic a	N-ethyl-perfluorooctanesulfonamidoacetic aci	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorononanesulfonic acid (PFNS)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.2	0.5	0.4	5	1	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	0.005	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																	
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							240000																										
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																	
0-1m																																	
1-2m																																	
2-4m																																	
>4m																																	
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																	
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																	
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																	
PFAS NEMP 2020 Table 2 Health Industrial/Commercial												50																		20		20	
PFAS NEMP 2020 Table 3 Interim EDE All land uses												10																				1	

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																															
BH19 0.2-0.3	BH19	0.2-0.3	29/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<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	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH19 1.0-1.1	BH19	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_0.2-0.3	BH20	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<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	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH20_0.4-0.5	BH20	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_1.4-1.5	BH20	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.2-0.3	BH21	0.2-0.3	29/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.5-0.6	BH21	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22_0-0.1	BH22	0-0.1	30/10/2022	Fill, silty sand	<1	<2	<2	<10	<2	<10	<1	<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	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH23-0.15-0.25	BH23	0.15-0.25	18/10/2022	Fill, silty sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH23-0.3-0.4	BH23	0.3-0.4	18/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.15_0.25	BH24	0.15-0.25	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.3_0.4	BH24	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-0.15-0.25	BH25	0.15-0.25	21/10/2022	Fill, silty gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-1.0-1.1	BH25	1-1.1	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-0.15-0.25	BH26	0.15-0.25	21/10/2022	Fill, silty gravelly sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-0.3-0.4	BH26	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-1.5-1.6	BH26	1.5-1.6	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH27_0.2-0.3	BH27	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH28_0.2-0.3	BH28	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<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	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH28_0.4-0.5	BH28	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.2-0.3	BH29	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<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	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH29_0.4-0.5	BH29	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.7-0.8	BH29	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30 0.2-0.3	BH30	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30 0.5-0.6	BH30	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.2_0.3	BH31	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.3_0.4	BH31	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32 0.2-0.3	BH32	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32 0.5-0.6	BH32	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	<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	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH33 0.2-0.3	BH33	0.2-0.3	29/10/2022	Fill, silty gravel	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.5-0.6	BH33	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	<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	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH34 0.2-0.3	BH34	0.2-0.3	29/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<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	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
QA01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA01 - [TRIPLICATE]	BH34	0.2-0.3	29/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 1.0-1.1	BH34	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_0.2-0.3	BH35	0.2-0.3	30/10/2022	Fill, gravelly sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_0.4-0.5	BH35	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.3-0.4	BH37	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.0-1.0	BH37	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_1.0-1.1	BH37	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_3.5-3.6	BH37	3.5-3.6	18/10/2022	Fill, gravelly sand	<1	<2	<5	<10	<2	<10	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38_0.2_0.3	BH38	0.2-0.3	19/10/2022	Fill, gravelly, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38-0.2-0.3	BH38	0.2-0.3	18/10/2022	Fill, gravely, silty sand	<0.5	<1	<0.5	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38_2_2.1	BH38	2-2.1	19/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

									PFAS																										
	2-Methylphenol	2-nitrophenol	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4-Chloro-3-Methylphenol	4-nitrophenol	Phenol	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeF	N-Ethyl perfluorooctane sulfonamide (NEtFOS	N-Methylperfluorooctanesulfonamidoethanol	N-ethylperfluorooctanesulfonamidoethanol (N	N-methylperfluorooctane sulfonamidoacetic a	N-ethyl-perfluorooctanesulfonamidoacetic aci	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorononanesulfonic acid (PFNS)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.2	0.5	0.4	5	1	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	0.005	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																			
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							240000																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																			
0-1m																																			
1-2m																																			
2-4m																																			
>4m																																			
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																			
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																			
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																			
PFAS NEMP 2020 Table 2 Health Industrial/Commercial												50																		20		20		
PFAS NEMP 2020 Table 3 Interim EDE All land uses												10																				1		

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																	
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<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	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.5	<0.5	<1	<10	<5	<10	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	<0.5	<0.5	<1	<10	<5	<10	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	<0.5	<1	<1	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<0.5	<0.5	<1	<10	<5	<10	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<0.5	<1	<1	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

									PFAS																										
	2-Methylphenol	2-nitrophenol	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4-Chloro-3-Methylphenol	4-nitrophenol	Phenol	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeF	N-Ethyl perfluorooctane sulfonamide (NEtFOS	N-Methylperfluorooctanesulfonamidoethanol	N-ethylperfluorooctanesulfonamidoethanol (N	N-methylperfluorooctane sulfonamidoacetic a	N-ethyl-perfluorooctanesulfonamidoacetic aci	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorononanesulfonic acid (PFNS)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.2	0.5	0.4	5	1	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	0.005	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																			
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							240000																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																			
0-1m																																			
1-2m																																			
2-4m																																			
>4m																																			
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																			
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																			
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																			
PFAS NEMP 2020 Table 2 Health Industrial/Commercial												50																		20		20		
PFAS NEMP 2020 Table 3 Interim EDE All land uses												10																				1		

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																	
BH58_0.5_0.6	BH58	0.5-0.6	19/10/2022	Fill, crushed sandstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH58_4.5_4.6	BH58	4.5-4.6	19/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59_0.2-0.3	BH59	0.2-0.3	30/10/2022	Fill, silty clay	<1	<2	<2	<10	<2	<10	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59_0.4-0.5	BH59	0.4-0.5	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59_0-0.1	BH59	0-0.1	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0.2-0.3	BH60	0.2-0.3	30/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0-0.1	BH60	0-0.1	30/10/2022	Fill, silty clay	<1	<2	<2	<10	<2	<10	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH61_0.2-0.3	BH61	0.2-0.3	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH61_1.2-1.3	BH61	1.2-1.3	17/10/2022	Sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH62_0.2-0.3	BH62	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	<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	<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
BH62_0.3-0.4	BH62	0.3-0.4	18/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH62_1.0-1.1	BH62	1-1.1	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.2-0.3	BH63	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QAP01	BH63	0.2-0.3	29/10/2022	BH63 0.2-0.3	-	-	-	-	-	-	-	<0.0002	<0.0002	0.0004	0.0002	0.0005	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.005	<0.0002	<0.0002	-	<0.0001	0.0002	0.01	0.0019	0.29	-
BH63 0.5-0.6	BH63	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 0.2-0.6	BH64	0.2-0.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 1.5-1.6	BH64	1.5-1.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.4-0.5	BH65	0.4-0.5	17/10/2022	Fill, gravelly, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.1	BH65	0-0.1	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	<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	<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
BH65_0.0-0.3	BH65	0-0.3	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_1.5-1.6	BH65	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_6.0-6.1	BH65	6-6.1	17/10/2022	Sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	<0.005	0.0055	0.0068	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.016	<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	<0.005	<0.005	<0.005	<0.005
BH66-0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.3-0.4	BH66	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.0-0.1	BH66	0-0.1	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	<0.005	<0.005	0.0061	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
QA20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	-	-	-	-	-	-	0.0003	0.001	0.0005	0.0003	0.0003	0.0004	0.0007	0.0006	<0.0005	<0.0005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.005	<0.0002	<0.0002	-	<0.0001	<0.0001	0.0001	<0.0001	0.0011	-
QC20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	-	-	-	-	-	-	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BH66_1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_2.9-3.0	BH66	2.9-3	17/10/2022	Fill, sand	<1	<2	<2	<10	<2	<10	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_0.2-0.3	BH67	0.2-0.3	17/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	<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	<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
BH67-0.3-0.4	BH67	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_0.5-0.6	BH67	0.5-0.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-0.5-0.6	BH67	0.5-0.6	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1.5-1.6	BH67	1.5-1.6	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_1.0-1.1	BH67	1-1.1	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1-1.1	BH67	1-1.1	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-2-2.1	BH67	2-2.1	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.2_0.3	BH68	0.2-0.3	19/10/2022	Fill, silty, gravelly sand	<0.5	<1	<1	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.3_0.4	BH68	0.3-0.4	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.5_0.6	BH68	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH69_0.15_0.25	BH69	0.15-0.25	18/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	<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	<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
BH69_0.3_0.4	BH69	0.3-0.4	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH70_0.2-0.3	BH70	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	<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	<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
BH71 0.2-0.3	BH71	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.2	<1	<0.4	<5	<1	<5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH71 0.5-0.6	BH71	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

								PFAS																								
	2-Methylphenol	2-nitrophenol	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4-Chloro-3-Methylphenol	4-nitrophenol	Phenol	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeF	N-Ethyl perfluorooctane sulfonamide (NEtFOS	N-Methylperfluorooctanesulfonamidoethanol	N-ethylperfluorooctanesulfonamidoethanol (N	N-methylperfluorooctane sulfonamidoacetic a	N-ethyl-perfluorooctanesulfonamidoacetic aci	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorononanesulfonic acid (PFNS)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.2	0.5	0.4	5	1	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	0.005	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							240000																									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																
0-1m																																
1-2m																																
2-4m																																
>4m																																
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																
PFAS NEMP 2020 Table 2 Health Industrial/Commercial												50																	20		20	
PFAS NEMP 2020 Table 3 Interim EDE All land uses												10																			1	

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* US EPA Regional Screening Levels - Industrial Soil

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

													MAH										Miscellaneous Hydrocarbons							Chlorinated Benzenes									
	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2	1H,1H,2H,2H-perfluorodecanesulfonic acid (8::	1H,1H,2H,2H-perfluorododecanesulfonic acid (	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Cyclohexane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3,4-tetrachlorobenzene	1,2,3,5-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3,5-trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.5	0.5	1	1	1	1	0.5	1	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																							
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil											18000*	15000*					35000*				9900*																		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																							
0-1m																																							
1-2m																																							
2-4m																																							
>4m																																							
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																							
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																							
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																							
PFAS NEMP 2020 Table 2 Health Industrial/Commercial						20																																	
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																							
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																																				
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	-	-	-	-	-	<1	<1	<0.5	<0.5	-	<0.5	<0.5
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.005	<0.005	0.02	0.054	0.0064	<0.005	<0.005	<0.005	0.074	0.0804	<0.5	<0.5	-	-	-	-	<0.5	-	8.2	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	-	-	-	-	-	<1	<1	<0.5	<0.5	-	<0.5	<0.5
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	1.9	<0.5	-	-	-	-	<0.5	-	23.2	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

												MAH										Miscellaneous Hydrocarbons							Chlorinated Benzenes									
	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2	1H,1H,2H,2H-perfluorodecanesulfonic acid (8::	1H,1H,2H,2H-perfluorododecanesulfonic acid (	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Cyclohexane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3,4-tetrachlorobenzene	1,2,3,5-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3,5-trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.5	0.5	1	1	1	1	0.5	1	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																						
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil											18000*	15000*					35000*				9900*																	
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																						
0-1m																																						
1-2m																																						
2-4m																																						
>4m																																						
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																						
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																						
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																						
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																						
PFAS NEMP 2020 Table 2 Health Industrial/Commercial						20																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																						

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																				
BH19 0.2-0.3	BH19	0.2-0.3	29/10/2022	Fill, sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH19 1.0-1.1	BH19	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_0.2-0.3	BH20	0.2-0.3	30/10/2022	Fill, sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH20_0.4-0.5	BH20	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_1.4-1.5	BH20	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.2-0.3	BH21	0.2-0.3	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.5-0.6	BH21	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22_0-0.1	BH22	0-0.1	30/10/2022	Fill, silty sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
BH23-0.15-0.25	BH23	0.15-0.25	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH23-0.3-0.4	BH23	0.3-0.4	18/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.15_0.25	BH24	0.15-0.25	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.3_0.4	BH24	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-0.15-0.25	BH25	0.15-0.25	21/10/2022	Fill, silty gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-1.0-1.1	BH25	1-1.1	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-0.15-0.25	BH26	0.15-0.25	21/10/2022	Fill, silty gravelly sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH26-0.3-0.4	BH26	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-1.5-1.6	BH26	1.5-1.6	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH27_0.2-0.3	BH27	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH28_0.2-0.3	BH28	0.2-0.3	30/10/2022	Fill, sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<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_0.4-0.5	BH28	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.2-0.3	BH29	0.2-0.3	30/10/2022	Fill, sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<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_0.4-0.5	BH29	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.7-0.8	BH29	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30 0.2-0.3	BH30	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH30 0.5-0.6	BH30	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.2_0.3	BH31	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.3_0.4	BH31	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH32 0.2-0.3	BH32	0.2-0.3	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH32 0.5-0.6	BH32	0.5-0.6	29/10/2022	Sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.2-0.3	BH33	0.2-0.3	29/10/2022	Fill, silty gravel	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	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	<0.5	<0.5	<0.5	<0.5
QA06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.5-0.6	BH33	0.5-0.6	29/10/2022	Fill, sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 0.2-0.3	BH34	0.2-0.3	29/10/2022	Fill, sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA01 - [TRIPLICATE]	BH34	0.2-0.3	29/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 1.0-1.1	BH34	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_0.2-0.3	BH35	0.2-0.3	30/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<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_0.4-0.5	BH35	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.3-0.4	BH37	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.0-1.0	BH37	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_1.0-1.1	BH37	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_3.5-3.6	BH37	3.5-3.6	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	46	14	-	-	-	-	5.2	-	3726.2	<0.5	27	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
BH38_0.2_0.3	BH38	0.2-0.3	19/10/2022	Fill, gravelly, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38-0.2-0.3	BH38	0.2-0.3	18/10/2022	Fill, gravely, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH38_2_2.1	BH38	2-2.1	19/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

													MAH										Miscellaneous Hydrocarbons							Chlorinated Benzenes									
	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2	1H,1H,2H,2H-perfluorodecanesulfonic acid (8::	1H,1H,2H,2H-perfluorododecanesulfonic acid (	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Cyclohexane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3,4-tetrachlorobenzene	1,2,3,5-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3,5-trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.5	0.5	1	1	1	1	0.5	1	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																							
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil											18000*	15000*					35000*				9900*																		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																							
0-1m																																							
1-2m																																							
2-4m																																							
>4m																																							
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																							
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																							
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																							
PFAS NEMP 2020 Table 2 Health Industrial/Commercial						20																																	
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																							
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																																				
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	-	-	-	-	-	<1	<1	<0.5	<0.5	-	<0.5	<0.5
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	<0.5	<0.5
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	<0.5	-	<0.5	<0.5
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	<0.5	<0.5
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	130	40	-	-	-	-	230	-	1967.2	<0.5	32	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	-	-	-	-	-	-	-	-	-	-	150	28	<1	35	14	<1	210	<1	-	<1	21	<1	<1	<1	<1	-	-	-	-	<1	<1	<0.5	<0.5	-	<0.5	<0.5
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	-	-	-	-	-	-	-	-	-	-	80	20	-	-	-	-	220	-	1224.1	<0.5	14	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

													MAH										Miscellaneous Hydrocarbons							Chlorinated Benzenes									
	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2	1H,1H,2H,2H-perfluorodecanesulfonic acid (8::	1H,1H,2H,2H-perfluorododecanesulfonic acid (	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Cyclohexane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3,4-tetrachlorobenzene	1,2,3,5-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3,5-trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.5	0.5	1	1	1	1	0.5	1	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																							
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil											18000*	15000*					35000*				9900*																		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																							
0-1m																																							
1-2m																																							
2-4m																																							
>4m																																							
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																							
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																							
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																							
PFAS NEMP 2020 Table 2 Health Industrial/Commercial						20																																	
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																							
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																																				
BH58_0.5_0.6	BH58	0.5-0.6	19/10/2022	Fill, crushed sandstone	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	<0.5	<0.5
BH58_4.5_4.6	BH58	4.5-4.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	0.8	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH59_0.2-0.3	BH59	0.2-0.3	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	2.1	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
BH59_0.4-0.5	BH59	0.4-0.5	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59_0-0.1	BH59	0-0.1	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0.2-0.3	BH60	0.2-0.3	30/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0-0.1	BH60	0-0.1	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
BH61_0.2-0.3	BH61	0.2-0.3	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH61_1.2-1.3	BH61	1.2-1.3	17/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH62_0.2-0.3	BH62	0.2-0.3	18/10/2022	Fill, gravelly sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH62_0.3-0.4	BH62	0.3-0.4	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	8.6	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH62_1.0-1.1	BH62	1-1.1	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.2-0.3	BH63	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QAP01	BH63	0.2-0.3	29/10/2022	BH63 0.2-0.3	0.003	<0.0001	<0.0001	<0.0002	<0.0002	0.3	-	0.29	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.5-0.6	BH63	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 0.2-0.6	BH64	0.2-0.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	<0.5	<0.5
BH64 1.5-1.6	BH64	1.5-1.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.4-0.5	BH65	0.4-0.5	17/10/2022	Fill, gravelly, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.1	BH65	0-0.1	17/10/2022	Fill, sandy clay	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.3	BH65	0-0.3	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_1.5-1.6	BH65	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_6.0-6.1	BH65	6-6.1	17/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	5	1	-	-	-	-	<0.5	-	23.8	<0.5	16	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH66_0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	<0.005	<0.005	0.085	0.027	0.11	<0.005	<0.005	<0.005	0.1243	0.2503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.3-0.4	BH66	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.0-0.1	BH66	0-0.1	17/10/2022	Fill, silty, gravelly sand	<0.005	<0.005	0.061	0.094	0.024	<0.005	<0.005	<0.005	0.1611	0.1851	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	<0.0002	<0.0001	0.0017	0.001	0.0054	0.0013	-	0.0014	-	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	20	6.4	-	-	-	-	<0.5	-	1.3	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH66_2.9-3.0	BH66	2.9-3	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	2000	570	-	-	-	-	<0.5	-	624.2	<0.5	23	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
BH67_0.2-0.3	BH67	0.2-0.3	17/10/2022	Fill, gravelly sand	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.5	<0.5	-	-	-	-	<0.5	-	1	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	<0.5	<0.5
BH67-0.3-0.4	BH67	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_0.5-0.6	BH67	0.5-0.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-0.5-0.6	BH67	0.5-0.6	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1.5-1.6	BH67	1.5-1.6	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67_1.0-1.1	BH67	1-1.1	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1-1.1	BH67	1-1.1	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-2-2.1	BH67	2-2.1	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.2_0.3	BH68	0.2-0.3	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	27	7.6	-	-	-	-	11	-	246	<0.5	5.2	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5
BH68_0.3_0.4	BH68	0.3-0.4	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.5_0.6	BH68	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH69_0.15_0.25	BH69	0.15-0.25	18/10/2022	Fill, sandy gravel	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH69_0.3_0.4	BH69	0.3-0.4	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH70_0.2-0.3	BH70	0.2-0.3	18/10/2022	Fill, gravelly sand	<0.005	<0.005	0.047	0.034	<0.005	<0.005	<0.005	<0.005	0.081	0.081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH71 0.2-0.3	BH71	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH71 0.5-0.6	BH71	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

												MAH											Miscellaneous Hydrocarbons							Chlorinated Benzenes									
	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2	1H,1H,2H,2H-perfluorodecanesulfonic acid (8::	1H,1H,2H,2H-perfluorododecanesulfonic acid (	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Cyclohexane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3,4-tetrachlorobenzene	1,2,3,5-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3,5-trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.5	0.5	1	1	1	1	0.5	1	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																						
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil											18000*	15000*					35000*				9900*																	
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																						
0-1m																																						
1-2m																																						
2-4m																																						
>4m																																						
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																						
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																						
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																						
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																						
PFAS NEMP 2020 Table 2 Health Industrial/Commercial						20																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																						

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																																				
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* US EPA Regional Screening Levels - Industrial Soil

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Trihalomethanes				Herbicides & Fungicides			Phthalates					Nitrobenzenes				Anilines							EPA VIC - IWRG621			
	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Dinoseb	Pronamide	Trifluralin	Bis(2-ethylhexyl) phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	1,3-dinitrobenzene	Nitrobenzene	Pentachloronitrobenzene	2,4-dinitrotoluene	2-Nitroaniline	3-Nitroaniline	4-Chloroaniline	4-Nitroaniline	Aniline	Carbon disulfide	Benzyl Alcohol	Chlorinated Hydrocarbons EPAVic	Other Chlorinated Hydrocarbons EPAVic	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.05	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	1	1	1	1	0.5	0.5	1	0.5	0.5	0.1	0.1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																														
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil		80									1600*	660000*		82000*																
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																														
0-1m																														
1-2m																														
2-4m																														
>4m																														
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																														
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																														
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																														
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																														
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																														
PFAS NEMP 2020 Table 3 Interim EDE All land uses																														

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																												
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	<1	<1	<1	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	147.5	<1
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<1	<0.5	<0.5	<1	<1	<1	<1	<1	-	-	<5	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	<1	-	-	-	-
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	233.44	<1
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	<1	<1	<1	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	<1	<1
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<1	<0.5	<0.5	<1	<1	<1	<1	<1	-	-	<5	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	<1	-	-	-	-
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	<1	<1	<1	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	<1	<1
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Trihalomethanes				Herbicides & Fungicides			Phthalates					Nitrobenzenes				Anilines							EPA VIC - IWRG621			
				Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Dinoseb	Pronamide	Trifluralin	Bis(2-ethylhexyl) phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	1,3-dinitrobenzene	Nitrobenzene	Pentachloronitrobenzene	2,4-dinitrotoluene	2-Nitroaniline	3-Nitroaniline	4-Chloroaniline	4-Nitroaniline	Aniline	Carbon disulfide	Benzyl Alcohol	Chlorinated Hydrocarbons EPAVic	Other Chlorinated Hydrocarbons EPAVic	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.05	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	1	1	1	1	0.5	0.5	1	0.5	0.5	0.1	0.1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil					80									1600*	660000*		82000*															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																
0-1m																																
1-2m																																
2-4m																																
>4m																																
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																												
BH19 0.2-0.3	BH19	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH19 1.0-1.1	BH19	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_0.2-0.3	BH20	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH20_0.4-0.5	BH20	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20_1.4-1.5	BH20	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.2-0.3	BH21	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
QA03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH21 0.5-0.6	BH21	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22_0-0.1	BH22	0-0.1	30/10/2022	Fill, silty sand	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	<1	<1	<1	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	1.7	1.7	-	-
BH23-0.15-0.25	BH23	0.15-0.25	18/10/2022	Fill, silty sand	-	<0.5	<0.5	-	-	-	-	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	-	-	-	-	-	-
BH23-0.3-0.4	BH23	0.3-0.4	18/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.15_0.25	BH24	0.15-0.25	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH24_0.3_0.4	BH24	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-0.15-0.25	BH25	0.15-0.25	21/10/2022	Fill, silty gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25-1.0-1.1	BH25	1-1.1	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-0.15-0.25	BH26	0.15-0.25	21/10/2022	Fill, silty gravelly sand	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.1	<0.1
BH26-0.3-0.4	BH26	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH26-1.5-1.6	BH26	1.5-1.6	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH27_0.2-0.3	BH27	0.2-0.3	18/10/2022	Fill, gravelly sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1
BH28_0.2-0.3	BH28	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH28_0.4-0.5	BH28	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.2-0.3	BH29	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH29_0.4-0.5	BH29	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH29_0.7-0.8	BH29	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30 0.2-0.3	BH30	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH30 0.5-0.6	BH30	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.2_0.3	BH31	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH31_0.3_0.4	BH31	0.3-0.4	20/10/2022	Fill, sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1
BH32 0.2-0.3	BH32	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH32 0.5-0.6	BH32	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.2-0.3	BH33	0.2-0.3	29/10/2022	Fill, silty gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
QA06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH33 0.5-0.6	BH33	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 0.2-0.3	BH34	0.2-0.3	29/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
QA01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA01 - [TRIPLICATE]	BH34	0.2-0.3	29/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH34 1.0-1.1	BH34	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_0.2-0.3	BH35	0.2-0.3	30/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH35_0.4-0.5	BH35	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.3-0.4	BH37	0.3-0.4	18/10/2022	Fill, silty sand	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	1.2
BH37_0.0-1.0	BH37	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_1.0-1.1	BH37	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37_3.5-3.6	BH37	3.5-3.6	18/10/2022	Fill, gravelly sand	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	130	4.6	<1	18	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	-	-
BH38_0.2_0.3	BH38	0.2-0.3	19/10/2022	Fill, gravelly, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38-0.2-0.3	BH38	0.2-0.3	18/10/2022	Fill, gravely, silty sand	-	<0.5	<0.5	-	-	-	-	-	<0.5	<0.5	<5	1	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	-	-	-	-	-	-
BH38_2_2.1	BH38	2-2.1	19/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Trihalomethanes				Herbicides & Fungicides			Phthalates					Nitrobenzenes				Anilines							EPA VIC - IWRG621			
	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Dinoseb	Pronamide	Trifluralin	Bis(2-ethylhexyl) phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	1,3-dinitrobenzene	Nitrobenzene	Pentachloronitrobenzene	2,4-dinitrotoluene	2-Nitroaniline	3-Nitroaniline	4-Chloroaniline	4-Nitroaniline	Aniline	Carbon disulfide	Benzyl Alcohol	Chlorinated Hydrocarbons EPAVic	Other Chlorinated Hydrocarbons EPAVic	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.05	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	1	1	1	1	0.5	0.5	1	0.5	0.5	0.1	0.1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																														
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil		80									1600*	660000*		82000*																
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																														
0-1m																														
1-2m																														
2-4m																														
>4m																														
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																														
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																														
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																														
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																														
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																														
PFAS NEMP 2020 Table 3 Interim EDE All land uses																														

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																											
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<1	<0.5	<0.5	<1	<1	<1	<1	<1	-	-	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	<1	-	-	-
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.1	<0.1
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	<0.5	<0.5	-	-
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	-	<0.5	<0.5	-	-	-	-	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	-	-	-	-	-	-
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	-	<0.5	<0.5	-	-	-	-	<1	-	-	<5	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	<1	-	-	-	-
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	<0.5	<0.5	-	-
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.1	<0.1
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.5	2.8	
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	6.6	1.2	<1	2	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	-	-
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<1	<0.5	<0.5	<1	<1	<1	<1	<1	-	-	<5	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	<1	-	-	-	-
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	<1	<1	<2	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Trihalomethanes				Herbicides & Fungicides			Phthalates					Nitrobenzenes				Anilines							EPA VIC - IWRG621			
				Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Dinoseb	Pronamide	Trifluralin	Bis(2-ethylhexyl) phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	1,3-dinitrobenzene	Nitrobenzene	Pentachloronitrobenzene	2,4-dinitrotoluene	2-Nitroaniline	3-Nitroaniline	4-Chloroaniline	4-Nitroaniline	Aniline	Carbon disulfide	Benzyl Alcohol	Chlorinated Hydrocarbons EPAVic	Other Chlorinated Hydrocarbons EPAVic	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.05	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	1	1	1	1	0.5	0.5	1	0.5	0.5	0.1	0.1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																																
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil					80									1600*	660000*		82000*															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																
0-1m																																
1-2m																																
2-4m																																
>4m																																
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																																
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																																
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																																
PFAS NEMP 2020 Table 3 Interim EDE All land uses																																
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																												
BH58_0.5_0.6	BH58	0.5-0.6	19/10/2022	Fill, crushed sandstone	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	<0.5	<0.5	-	-
BH58_4.5_4.6	BH58	4.5-4.6	19/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH59_0.2-0.3	BH59	0.2-0.3	30/10/2022	Fill, silty clay	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	-	-
BH59_0.4-0.5	BH59	0.4-0.5	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59_0-0.1	BH59	0-0.1	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0.2-0.3	BH60	0.2-0.3	30/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH60_0-0.1	BH60	0-0.1	30/10/2022	Fill, silty clay	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	-	-
BH61_0.2-0.3	BH61	0.2-0.3	17/10/2022	Fill, sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	<0.1
BH61_1.2-1.3	BH61	1.2-1.3	17/10/2022	Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH62_0.2-0.3	BH62	0.2-0.3	18/10/2022	Fill, gravelly sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1
BH62_0.3-0.4	BH62	0.3-0.4	18/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	1.7	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH62_1.0-1.1	BH62	1-1.1	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.2-0.3	BH63	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
QAP01	BH63	0.2-0.3	29/10/2022	BH63 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH63 0.5-0.6	BH63	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH64 0.2-0.6	BH64	0.2-0.6	29/10/2022	Fill, gravelly sand	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	<0.5	<0.5	-	-
BH64 1.5-1.6	BH64	1.5-1.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.4-0.5	BH65	0.4-0.5	17/10/2022	Fill, gravelly, sandy clay	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.7	<1
BH65_0.0-0.1	BH65	0-0.1	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_0.0-0.3	BH65	0-0.3	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_1.5-1.6	BH65	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH65_6.0-6.1	BH65	6-6.1	17/10/2022	Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH66_0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1
BH66_0.3-0.4	BH66	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66_0.0-0.1	BH66	0-0.1	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1
BH66_1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH66-1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
BH66_2.9-3.0	BH66	2.9-3	17/10/2022	Fill, sand	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	3.3	<1	<1	<1	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	-	-
BH67_0.2-0.3	BH67	0.2-0.3	17/10/2022	Fill, gravelly sand	<0.5	0.09	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	0.6	0.6	11,583	3.49
BH67-0.3-0.4	BH67	0.3-0.4	17/10/2022	Fill, sand	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8266.01	6.01
BH67_0.5-0.6	BH67	0.5-0.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-0.5-0.6	BH67	0.5-0.6	7/10/2022	Fill, sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	223.17	0.17
BH67-1.5-1.6	BH67	1.5-1.6	7/10/2022	Sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.67	0.31
BH67_1.0-1.1	BH67	1-1.1	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH67-1-1.1	BH67	1-1.1	7/10/2022	Fill, sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.74	0.17
BH67-2-2.1	BH67	2-2.1	7/10/2022	Sand	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	<0.1
BH68_0.2_0.3	BH68	0.2-0.3	19/10/2022	Fill, silty, gravelly sand	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	-	<1	<1	<5	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	-	-	-	<1	<0.5	-	<0.5	<0.5	-	-
BH68_0.3_0.4	BH68	0.3-0.4	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH68_0.5_0.6	BH68	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH69_0.15_0.25	BH69	0.15-0.25	18/10/2022	Fill, sandy gravel	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1
BH69_0.3_0.4	BH69	0.3-0.4	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH70_0.2-0.3	BH70	0.2-0.3	18/10/2022	Fill, gravelly sand	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1
BH71 0.2-0.3	BH71	0.2-0.3	29/10/2022	Fill, sandy gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	-
QA04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH71 0.5-0.6	BH71	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Trihalomethanes				Herbicides & Fungicides			Phthalates					Nitrobenzenes				Anilines							EPA VIC - IWRG621			
	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Dinoseb	Pronamide	Trifluralin	Bis(2-ethylhexyl) phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	1,3-dinitrobenzene	Nitrobenzene	Pentachloronitrobenzene	2,4-dinitrotoluene	2-Nitroaniline	3-Nitroaniline	4-Chloroaniline	4-Nitroaniline	Aniline	Carbon disulfide	Benzyl Alcohol	Chlorinated Hydrocarbons EPAVic	Other Chlorinated Hydrocarbons EPAVic	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.05	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	1	1	1	1	0.5	0.5	1	0.5	0.5	0.1	0.1
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																														
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil		80									1600*	660000*		82000*																
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																														
0-1m																														
1-2m																														
2-4m																														
>4m																														
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																														
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																														
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																														
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																														
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																														
PFAS NEMP 2020 Table 3 Interim EDE All land uses																														
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																											
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.5	<1

* US EPA Regional Screening Levels - Industrial Soil

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Asbestos - Eurofins																	Asbestos - Envirolab				rinated Hydrocar		Other	
				Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Hexachlorocyclopentadiene	Hexachlorobutadiene	Moisture Content (dried @ 103°C)	Phosalone
				g	g	g	% (w/w)	g	g	g	g	% (w/w)	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	g/kg	g/kg	% (w/w)	% (w/w)	mg/kg	mg/kg	%	mg/kg
EQL																						0.1	0.01	0	1	0.5	1	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																												
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																												
0-1m																												
1-2m																												
2-4m																												
>4m																												
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																												
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																												
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																												
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil				0.05								0.001											0.05	0.001				
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																												
PFAS NEMP 2020 Table 3 Interim EDE All land uses																												
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																								
BH01_0.2_0.3	BH01	0.2-0.3	20/10/2022	Fill, silty sand	618	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	6.3	-
BH01_1_1.1	BH01	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	-
BH02 0.2-0.3	BH02	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
QA07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-
QC07	BH02	0.2-0.3	29/10/2022	BH02 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
BH02 0.5-0.6	BH02	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-
BH03_0.2-0.3	BH03	0.2-0.3	30/10/2022	Fill, sand	655	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	1.5	-
QAA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	<0.001	-	-	-	-
QCA01	BH03	0.2-0.3	30/10/2022	BH03_0.2-0.3	701	0	0	0	0	0	0	0	0	0	1	1	1	1	-	1	1	-	-	-	-	-	-	-	-
BH03_0.4-0.5	BH03	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
BH03_0.7-0.8	BH03	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
BH04_0.2-0.3	BH04	0.2-0.3	30/10/2022	Fill, sand	770	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	1.8	-
BH04_0.4-0.5	BH04	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-
BH05-0.15-0.25	BH05	0.15-0.25	21/10/2022	Fill, silty sand	644	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	8.5	-
BH05-0.3-0.4	BH05	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	-
BH06_0.2_0.3	BH06	0.2-0.3	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	4.1	-
QA20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<0.5	20	<0.5
QA20221019-02 - [TRIPLICATE]	BH06	0.2-0.3	19/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20221019-02	BH06	0.2-0.3	19/10/2022	BH06_0.2_0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	4.2	-
BH06_0.3_0.4	BH06	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	-
BH06_0_0.1	BH06	0-0.1	19/10/2022	Fill, sand	733	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
QA20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	<0.001	-	-	-	-
QC20221019-01	BH06	0-0.1	19/10/2022	BH06_0_0.1	694	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
BH06_3.5_3.6	BH06	3.5-3.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-
BH07_0.25_0.35	BH07	0.25-0.35	19/10/2022	Fill, sand	813	0	0	0	1.6123	0.96738	0.0016	0.0016	0.119	0.96898	1	1	1	1	1	1	1	-	-	-	-	-	-	2.8	-
BH07_0.5_0.6	BH07	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-
BH08_0.2-0.3	BH08	0.2-0.3	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	<1	-
BH08_0.4-0.5	BH08	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-
BH10-0.15-0.25	BH10	0.15-0.25	21/10/2022	Fill, sand	679	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	3.7	-
BH10-1.0-1.1	BH10	1-1.1	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
BH11_0.2-0.3	BH11	0.2-0.3	30/10/2022	Fill, sand	667	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	6.9	-
BH11_0.3-0.4	BH11	0.3-0.4	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	-
BH12_0.2-0.3	BH12	0.2-0.3	30/10/2022	Fill, sand	601	0	0	0	0	0	0.0005	0.0005	0.00008	0.0005	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	6.6	-
BH12_0.9-1.0	BH12	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-
BH12_1.4-1.5	BH12	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5	-
BH13 0.2-0.3	BH13	0.2-0.3	29/10/2022	Fill, sandy gravel	624	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	28	-
BH13 1.0-1.1	BH13	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
BH14_0.2_0.3	BH14	0.2-0.3	20/10/2022	Fill, sand	748	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	5.5	-
BH14_1_1.1	BH14	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	-
BH15_0.2_0.3	BH15	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-
BH15-0.2-0.3	BH15	0.2-0.3	18/10/2022	Fill, sand	816	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
BH15_2.5_2.6	BH15	2.5-2.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH16_0.15_0.25	BH16	0.15-0.25	20/10/2022	Fill,sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-
BH16_0.5_0.6	BH16	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-
BH17_0.15_0.25	BH17	0.15-0.25	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	8.2	-
QA20221020-01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<0.5	24	<0.5
QC20221020_01	BH17	0.15-0.25	20/10/2022	BH17_0.15_0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	4.8	-
BH17_0.5_0.6	BH17	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-
BH18_0.2-0.3	BH18	0.2-0.3	30/10/2022	Fill, sand	574	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	14	-
BH18_0.4-0.5	BH18	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-
BH18_0.9-1.0	BH18	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Asbestos - Eurofins																	Asbestos - Envirolab				rinated Hydrocar		Other	
				Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF- Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Hexachlorocyclopentadiene	Hexachlorobutadiene	Moisture Content (dried @ 103°C)	Phosalone
				g	g	g	% (w/w)	g	g	g	g	% (w/w)	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	g/kg	g/kg	% (w/w)	% (w/w)	mg/kg	mg/kg	%	mg/kg
EQL																						0.1	0.01	0	1	0.5	1	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																												
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																												
0-1m																												
1-2m																												
2-4m																												
>4m																												
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																												
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																												
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																												
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil				0.05								0.001											0.05	0.001				
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																												
PFAS NEMP 2020 Table 3 Interim EDE All land uses																												
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																								
BH19 0.2-0.3	BH19	0.2-0.3	29/10/2022	Fill, sand	847	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	5.8	-
BH19 1.0-1.1	BH19	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
BH20_0.2-0.3	BH20	0.2-0.3	30/10/2022	Fill, sand	545	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	2.3	-
BH20_0.4-0.5	BH20	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-
BH20_1.4-1.5	BH20	1.4-1.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH21 0.2-0.3	BH21	0.2-0.3	29/10/2022	Fill, sand	47	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	10	-
QA03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
QC03	BH21	0.2-0.3	29/10/2022	BH21 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.4	-
BH21 0.5-0.6	BH21	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-
BH22_0-0.1	BH22	0-0.1	30/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	2.8	-
BH23-0.15-0.25	BH23	0.15-0.25	18/10/2022	Fill, silty sand	696	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	12	-
BH23-0.3-0.4	BH23	0.3-0.4	18/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-
BH24_0.15_0.25	BH24	0.15-0.25	19/10/2022	Fill, sand	588	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	12	-
BH24_0.3_0.4	BH24	0.3-0.4	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-
BH25-0.15-0.25	BH25	0.15-0.25	21/10/2022	Fill, silty gravelly sand	750	9.2384	1.38576	0.1848	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	5.8	-
QA20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-
QC20221021-01	BH25	0.15-0.25	21/10/2022	BH25-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH25-1.0-1.1	BH25	1-1.1	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
BH26-0.15-0.25	BH26	0.15-0.25	21/10/2022	Fill, silty gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	6.9	-
BH26-0.3-0.4	BH26	0.3-0.4	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	-
BH26-1.5-1.6	BH26	1.5-1.6	21/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.5	-
BH27_0.2-0.3	BH27	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	-
BH28_0.2-0.3	BH28	0.2-0.3	30/10/2022	Fill, sand	746	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	3.7	-
BH28_0.4-0.5	BH28	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-
BH29_0.2-0.3	BH29	0.2-0.3	30/10/2022	Fill, sand	568	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	5.7	-
BH29_0.4-0.5	BH29	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-
BH29_0.7-0.8	BH29	0.7-0.8	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-
BH30 0.2-0.3	BH30	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	19	-
BH30 0.5-0.6	BH30	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7	-
BH31_0.2_0.3	BH31	0.2-0.3	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-
BH31_0.3_0.4	BH31	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	-
BH32 0.2-0.3	BH32	0.2-0.3	29/10/2022	Fill, gravelly sand	871	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	12	-
BH32 0.5-0.6	BH32	0.5-0.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	-
BH33 0.2-0.3	BH33	0.2-0.3	29/10/2022	Fill, silty gravel	474	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	28	-
QA06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-
QC06	BH33	0.2-0.3	29/10/2022	BH33 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-
BH33 0.5-0.6	BH33	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-
BH34 0.2-0.3	BH34	0.2-0.3	29/10/2022	Fill, sand	43	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	13	-
QA01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	<0.001	-	-	14	-
QA01 - [TRIPLICATE]	BH34	0.2-0.3	29/10/2022		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	BH34	0.2-0.3	29/10/2022	BH34 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-
BH34 1.0-1.1	BH34	1-1.1	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-
BH35_0.2-0.3	BH35	0.2-0.3	30/10/2022	Fill, gravelly sand	754	0	0	0	0	0	0.0011	0.0011	0.00014	0.0011	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	1.1	-
BH35_0.4-0.5	BH35	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.6	-
BH37_0.3-0.4	BH37	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH37_0.0-1.0	BH37	0-1	18/10/2022	Fill, silty sand	527	0	0	0	0.0543	0.02172	0	0	0.004	0.02172	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
BH37_1.0-1.1	BH37	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5	-
BH37_3.5-3.6	BH37	3.5-3.6	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	31	-
BH38_0.2_0.3	BH38	0.2-0.3	19/10/2022	Fill, gravelly, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH38-0.2-0.3	BH38	0.2-0.3	18/10/2022	Fill, gravely, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	14	-
BH38_2_2.1	BH38	2-2.1	19/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Asbestos - Eurofins																	Asbestos - Envirolab				rinated Hydrocar		Other	
				Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF- Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Hexachlorocyclopentadiene	Hexachlorobutadiene	Moisture Content (dried @ 103°C)	Phosalone
				g	g	g	% (w/w)	g	g	g	g	% (w/w)	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	g/kg	g/kg	% (w/w)	% (w/w)	mg/kg	mg/kg	%	mg/kg
EQL																						0.1	0.01	0	1	0.5	1	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																												
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																												
0-1m																												
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NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																												
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																												
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																												
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil				0.05								0.001											0.05	0.001				
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																												
PFAS NEMP 2020 Table 3 Interim EDE All land uses																												
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																								
BH39-0.2-0.3	BH39	0.2-0.3	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-
BH39-1.0-1.1	BH39	1-1.1	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-
BH40_0.2-0.3	BH40	0.2-0.3	30/10/2022	Fill, sand	594	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	3.1	-
BH40_0.4-0.5	BH40	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-
BH40_0.9-1.0	BH40	0.9-1	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-
QA09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-
QC09	BH40	0.9-1	30/10/2022	BH40_0.9-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-
BH41_0.2-0.3	BH41	0.2-0.3	30/10/2022	Fill, sand	605	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	2.8	-
BH41_0.4-0.5	BH41	0.4-0.5	30/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-
BH42-0.30-0.40	BH42	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-
BH42-1.0-1.1	BH42	1-1.1	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	-
BH43-0.15-0.25	BH43	0.15-0.25	20/10/2022	Fill, sand	810	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
QA20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<0.5	17	<0.5
QC20221020-02	BH43	0.15-0.25	20/10/2022	BH43-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	4.1	-
BH43-0.5-0.6	BH43	0.5-0.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	-
BH43-1.5-1.6	BH43	1.5-1.6	20/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
BH44-0.15-0.25	BH44	0.15-0.25	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-
BH44-0.30-0.40	BH44	0.3-0.4	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7	-
BH45-0.1-0.2	BH45	0.1-0.2	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-
BH45-1.5-1.6	BH45	1.5-1.6	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
QA20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
QC20221020-03	BH45	1.5-1.6	20/10/2022	BH45-1.5-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-
BH45-1.0-1.1	BH45	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-
BH46 0.2-0.3	BH46	0.2-0.3	29/10/2022	Fill, gravelly sand	753	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	9.1	-
BH46 1.0-1.1	BH46	1-1.1	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-
BH47 0.05-0.1	BH47	0.05-0.1	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	-
QA05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7	-
QC05	BH47	0.05-0.1	29/10/2022	BH47 0.05-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-
BH47 0.2-0.3	BH47	0.2-0.3	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	13	-
BH48-0.15-0.25	BH48	0.15-0.25	21/10/2022	Fill, silty sand	472	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	16	-
QA20221021-02	BH48	0.15-0.25	21/10/2022	BH48-0.15-0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<0.5	18	<0.5
BH48-0.5-0.6	BH48	0.5-0.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-
BH49-0.30-0.40	BH49	0.3-0.4	20/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-
BH49-1.0-1.1	BH49	1-1.1	20/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7	-
BH51-0.2-0.3	BH51	0.2-0.3	21/10/2022	Fill, silty gravelly sand	592	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	6.4	-
BH52-0.2-0.3	BH52	0.2-0.3	21/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5	-
BH52-1.5-1.6	BH52	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-
BH53-0.15-0.25	BH53	0.15-0.25	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
BH53-0.3-0.4	BH53	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	9.9	-
BH54-0.3-0.4	BH54	0.3-0.4	21/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-
BH54-1.5-1.6	BH54	1.5-1.6	21/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	-
BH55_0.3-0.4	BH55	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	-
BH55_0.0-1.0	BH55	0-1	18/10/2022	Fill, silty sand	651	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
BH55_1.0-1.1	BH55	1-1.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
BH56_0.0-0.1	BH56	0-0.1	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-
BH56_0.0-1.0	BH56	0-1	18/10/2022	Fill, silty sand	716	0	0	0	0.1736	0.06944	0	0	0.0097	0.06944	1	1	1	1	0	1	1	-	-	-	-	-	-	-	-
BH57_0.3_0.4	BH57	0.3-0.4	19/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-
BH57_3_3.1	BH57	3-3.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-
BH57_4_4.1	BH57	4-4.1	19/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	18	-
QA20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<0.5	13	<0.5
QC20221019-03	BH57	4-4.1	19/10/2022	BH57_4_4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	17	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Asbestos - Eurofins																	Asbestos - Envirolab				rinated Hydrocar		Other	
	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Hexachlorocyclopentadiene	Hexachlorobutadiene	Moisture Content (dried @ 103°C)	Phosalone
	g	g	g	% (w/w)	g	g	g	g	% (w/w)	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	g/kg	g/kg	% (w/w)	% (w/w)	mg/kg	mg/kg	%	mg/kg
EQL																			0.1	0.01	0	1	0.5	1	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																									
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																									
0-1m																									
1-2m																									
2-4m																									
>4m																									
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																									
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																									
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																									
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil				0.05					0.001											0.05	0.001				
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																									
PFAS NEMP 2020 Table 3 Interim EDE All land uses																									
Field_ID	**Location Code**	**Sample Depth (m)**	**Sampled Date**	**Matrix_Description**																							
BH58_0.5_0.6	BH58	0.5-0.6	19/10/2022	Fill, crushed sandstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-
BH58_4.5_4.6	BH58	4.5-4.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	32	-
BH59_0.2-0.3	BH59	0.2-0.3	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	25	-
BH59_0.4-0.5	BH59	0.4-0.5	30/10/2022	Fill, silty clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-
BH59_0-0.1	BH59	0-0.1	30/10/2022	Fill, silty clay	701	0	0	0	0.0098	0.00196	0	0	0.00028	0.00196	1	1	1	1	1	1	1	-	-	-	-	-	-	27	-
BH60_0.2-0.3	BH60	0.2-0.3	30/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-
BH60_0-0.1	BH60	0-0.1	30/10/2022	Fill, silty clay	-	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<1	51	-
BH61_0.2-0.3	BH61	0.2-0.3	17/10/2022	Fill, sand	367	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	16	-
BH61_1.2-1.3	BH61	1.2-1.3	17/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	16	-
BH62_0.2-0.3	BH62	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-
BH62_0.3-0.4	BH62	0.3-0.4	18/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	2.6	-
BH62_1.0-1.1	BH62	1-1.1	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
BH63 0.2-0.3	BH63	0.2-0.3	29/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	23	-
QAP01	BH63	0.2-0.3	29/10/2022	BH63 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-
BH63 0.5-0.6	BH63	0.5-0.6	29/10/2022	Fill, sand	756	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	11	-
QA02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	<0.001	-	-	8.1	-
QC02	BH63	0.5-0.6	29/10/2022	BH63 0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.4	-
BH64 0.2-0.6	BH64	0.2-0.6	29/10/2022	Fill, gravelly sand	966	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	7.5	-
BH64 1.5-1.6	BH64	1.5-1.6	29/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	-
BH65_0.4-0.5	BH65	0.4-0.5	17/10/2022	Fill, gravelly, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
BH65_0.0-0.1	BH65	0-0.1	17/10/2022	Fill, sandy clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-
BH65_0.0-0.3	BH65	0-0.3	17/10/2022	Fill, sandy clay	709	0	0	0	0.0062	0.00434	0.0006	0.0006	0.00069	0.00494	1	1	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-
BH65_1.5-1.6	BH65	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6	-
BH65_6.0-6.1	BH65	6-6.1	17/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	16	-
BH66_0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
BH66-0.2-0.3	BH66	0.2-0.3	17/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH66_0.3-0.4	BH66	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH66_0.0-0.1	BH66	0-0.1	17/10/2022	Fill, silty, gravelly sand	667	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	16	-
QA20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.4216	<0.01	0.0422	-	-	30	-
QC20221017	BH66	0-0.1	17/10/2022	BH66_0.0-0.1	562	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	15	-
BH66_1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-
BH66-1.5-1.6	BH66	1.5-1.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<0.5	8	-
BH66_2.9-3.0	BH66	2.9-3	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	9.8	-
BH67_0.2-0.3	BH67	0.2-0.3	17/10/2022	Fill, gravelly sand	581	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	6.5	-
BH67-0.3-0.4	BH67	0.3-0.4	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-
BH67_0.5-0.6	BH67	0.5-0.6	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-
BH67-0.5-0.6	BH67	0.5-0.6	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-
BH67-1.5-1.6	BH67	1.5-1.6	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH67_1.0-1.1	BH67	1-1.1	17/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-
BH67-1-1.1	BH67	1-1.1	7/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-
BH67-2-2.1	BH67	2-2.1	7/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-
BH68_0.2_0.3	BH68	0.2-0.3	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	16	-
BH68_0.3_0.4	BH68	0.3-0.4	19/10/2022	Fill, silty, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-
BH68_0.5_0.6	BH68	0.5-0.6	19/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
BH69_0.15_0.25	BH69	0.15-0.25	18/10/2022	Fill, sandy gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7	-
BH69_0.3_0.4	BH69	0.3-0.4	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-
BH70_0.2-0.3	BH70	0.2-0.3	18/10/2022	Fill, gravelly sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-
BH71 0.2-0.3	BH71	0.2-0.3	29/10/2022	Fill, sandy gravel	986	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	<1	<0.5	11	-
QA04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
QC04	BH71	0.2-0.3	29/10/2022	BH71 0.2-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
BH71 0.5-0.6	BH71	0.5-0.6	29/10/2022	Fill, sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	-

Table A1 - Results of Soil Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Asbestos - Eurofins																	Asbestos - Envirolab				rinated Hydrocar		Other	
	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Hexachlorocyclopentadiene	Hexachlorobutadiene	Moisture Content (dried @ 103°C)	Phosalone
	g	g	g	% (w/w)	g	g	g	g	% (w/w)	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	g/kg	g/kg	% (w/w)	% (w/w)	mg/kg	mg/kg	%	mg/kg
EQL																			0.1	0.01	0	1	0.5	1	0.5
CRC Care 2011 Table A4 Direct Contact Intrusive Maintenance Worker																									
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																									
0-1m																									
1-2m																									
2-4m																									
>4m																									
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																									
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil (applied to soils < 2m bgs)																									
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																									
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil				0.05					0.001											0.05	0.001				
PFAS NEMP 2020 Table 2 Health Industrial/Commercial																									
PFAS NEMP 2020 Table 3 Interim EDE All land uses																									

Field_ID	Location Code	Sample Depth (m)	Sampled Date	Matrix_Description																							
BH71 1.5-1.6	BH71	1.5-1.6	29/10/2022	Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-
HA36_0.3-0.4	HA36	0.3-0.4	18/10/2022	Fill, silty sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-
HA36_0.0-0.1	HA36	0-0.1	18/10/2022	Fill, silty sand	572	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	-	-	-	-	-	-	13	-

* US EPA Regional Screening Levels - Industrial Soil

Table A2 - Results of Soil Analysis, OCP Delineation
Project Number: 63638
Project Name: Allnex Botany DSI

			Organochlorine Pesticides																							EPA VIC - IWRG621		Other
			4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene	Hexachlorobenzene	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic	Moisture Content (dried @ 103°C)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.05	0.1	0.1	1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil										45	530					3600				100			50		2500	160	80			
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind														640																
Field_ID	**Sample_Depth_Range**	**Matrix_Description**																												
HA101-0.1-0.2	0.1-0.2	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	7.8
QA01	HA101-0.1-0.2	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	-	-	6.3
QC01	HA101-0.1-0.2	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	7
HA101-0.5-0.6	0.5-0.6	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	5.2
QA02	HA102-0.5-0.6	Fill - Gravelly Sand	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	-	-	<0.1	<0.1	0.2	0.3	0.8	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	-	-	10
QC02	HA102-0.5-0.6	Fill - Gravelly Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	0.73	<0.5	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<1	12
HA101-1.0-1.1	1-1.1	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	3.6
HA101-1.5-1.6	1.5-1.6	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	9.1
HA102-0.2-0.3	0.2-0.3	Fill - Silty Sand	0.86	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	1.3	<0.5	2.16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	2.16	<1	5.5
HA102-0.5-0.6	0.5-0.6	Fill - Gravelly Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<1	11
HA102-1.0-1.1	1-1.1	Fill - Gravelly Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	0.78	<0.5	0.78	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<1	7.6
HA102-1.5-1.6	1.5-1.6	Fill - Sand	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.12	<0.05	0.18	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.24	<0.1	5.5
HA103-0.15-0.25	0.15-0.25	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	13
HA103-0.5-0.6	0.5-0.6	Fill - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	7.3
HA103-1.0-1.1	1-1.1	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	5.5
QA03	HA103-1.0-1.1	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	-	-	6.7
QC03	HA103-1.0-1.1	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	5.7
HA103-1.5-1.6	1.5-1.6	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	5.2
HA104-0.15-0.25	0.15-0.25	Fill - Silty Sand	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	200	88	328	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1000	<0.5	328	<1	9.2
QA04	HA104-0.15-0.25	Natural - Sand	61	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	580	550	1200	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	-	-	7.2
QC04	HA104-0.15-0.25	Natural - Sand	58	2.2	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<1	-	-	1200	170	1428	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5000	<0.5	1430.2	2.2	6.2
HA104-0.5-0.6	0.5-0.6	Fill - Sand	50	1.6	<0.05	0.07	0.29	<0.05	<0.05	<0.05	<0.1	-	-	1200	44	1294	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5000	<0.05	1295.96	1.96	8
HA104-1.0-1.1	1-1.1	Natural - Sand	36	1.3	<0.05	<0.05	0.25	<0.05	<0.05	<0.05	<0.1	-	-	1000	50	1086	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5000	<0.05	1087.55	1.55	7.7
HA104-1.5-1.6	1.5-1.6	Natural - Sand	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.64	0.05	0.83	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5	<0.05	0.83	<0.1	6.1
HA105-0.15-0.25	0.15-0.25	Fill - Silty Sand	29	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	160	4.6	193.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1000	<0.05	193.6	<0.1	7.1
HA105-0.5-0.6	0.5-0.6	Natural - Sand	56	2.4	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<1	-	-	1100	150	1306	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5000	<0.5	1308.4	2.4	2.8
HA105-1.0-1.1	1-1.1	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.58	<0.05	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.58	<0.1	3.3
HA105-1.5-1.6	1.5-1.6	Natural - Sand	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	4	0.5	4.66	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<20	<0.05	4.66	<0.1	3.9
HA106-0.2-0.3	0.2-0.3	Fill, gravelly sand	130	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	5100	180	5410	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<8000	<0.5	5412.3	2.3	12
HA106-0.5-0.6	0.5-0.6	Fill, sand	2.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	210	2.8	215.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<300	<0.05	215.25	<0.1	4.6
HA106-1.0-1.1	1-1.1	Fill, sand	2.5	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	260	3.7	266.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<400	<0.05	266.25	<0.1	3.1
HA106-1.5-1.6	1.5-1.6	Sand	1.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	110	1.9	113.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<200	<0.05	113.6	<0.1	3.5
HA107-0.4-0.5	0.4-0.5	Fill, silty sand	3.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	3.5	0.15	6.85	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<20	<0.05	6.85	<0.1	5.6
HA107-0.9-1.0	0.9-1	Fill, sand	0.52	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.9	0.05	1.47	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<10	<0.05	1.47	<0.1	6.4
HA107-0-0.1	0-0.1	Fill, silty sand	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	9.6	1.1	22.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	22.7	<1	<1
HA107-1.4-1.5	1.4-1.5	Fill, sand	0.63	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.57	0.05	1.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5	<0.05	1.25	<0.1	6.2
HA108-0.4-0.5	0.4-0.5	Fill, silty sand	2.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	13	0.7	15.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<50	<0.05	15.9	<0.1	<1
HA108-0.9-1.0	0.9-1	Fill, silty sand	1.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	11	0.71	13.41	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<50	<0.05	13.41	<0.1	2.2
HA108-0-0.1	0-0.1	Fill, silty sand	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	29	2.3	39.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<0.5	39.3	<1	1.1
HA108-1.4-1.5	1.4-1.5	Fill, sand	1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	13	0.68	15.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<60	<0.05	15.18	<0.1	1.2
HA109-0.2-0.3	0.2-0.3	Fill, silty sand	1.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	1.7	0.21	3.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<10	<0.05	3.11	<0.1	3.9

Table A2 - Results of Soil Analysis, OCP Delineation
Project Number: 63638
Project Name: Allnex Botany DSI

			Organochlorine Pesticides																							EPA VIC - IWRG621		Other
			4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene	Hexachlorobenzene	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic	Moisture Content (dried @ 103°C)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.05	0.1	0.1	1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil										45	530					3600				100			50		2500	160	80			
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind														640																
Field_ID	**Sample_Depth_Range**	**Matrix_Description**																												
HA109-0.5-0.6	0.5-0.6	Sand	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.51	<0.05	0.64	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5	<0.05	0.64	<0.1	3.5
HA109-1.0-1.1	1-1.1	Sand	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	1	0.08	1.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5	<0.05	1.16	<0.1	6.3
HA109-1.5-1.6	1.5-1.6	Sand	0.19	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	1.4	0.17	1.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<10	<0.05	1.76	<0.1	4.5
HA110-0.2-0.3	0.2-0.3	Fill, sand	1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	3.3	0.29	4.89	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<20	<0.05	4.89	<0.1	4.7
HA110-0.5-0.6	0.5-0.6	Fill, sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.12	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.12	<0.1	4.8
HA110-1.0-1.1	1-1.1	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.19	0.06	0.25	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.31	<0.1	5.9
HA110-1.5-1.6	1.5-1.6	Sand	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.87	0.06	1.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	1.13	<0.1	4.4
HA111-0.2-0.3	0.2-0.3	Fill, sand	7.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	41	1.5	50.2	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<100	<0.05	50.31	0.11	8.7
HA111-0.5-0.6	0.5-0.6	Sand	0.71	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	4.4	0.24	5.35	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<10	<0.05	5.35	<0.1	9.5
HA111-1.0-1.1	1-1.1	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.33	<0.05	0.33	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.1	<0.05	0.33	<0.1	5.9
HA111-1.5-1.6	1.5-1.6	Sand	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.76	0.08	0.92	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.92	<0.1	7.9
HA112-0.2-0.3	0.2-0.3	Fill, sand	0.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.06	<0.05	0.46	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.46	<0.1	5
HA112-0.5-0.6	0.5-0.6	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	5
HA112-1.0-1.1	1-1.1	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	7.1
HA112-1.5-1.6	1.5-1.6	Sand	0.29	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.71	0.07	1.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	1.07	<0.1	5
HA113-0.2-0.3	0.2-0.3	Fill, sand	3.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	-	-	3.2	0.51	7.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<30	<0.05	7.21	0.2	6.2
HA113-0.4-0.5	0.4-0.5	Fill, sand	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	0.18	0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.25	<0.1	5.1
HA113-0.9-1.0	0.9-1	Fill, sand	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	0.06	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.12	<0.1	6.8
HA113-1.4-1.5	1.4-1.5	Fill, sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	0.06	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	4
HA114-0.15-0.25	0.15-0.25	Fill, silty sand	1.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	-	-	3.6	0.24	5.64	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<20	<0.05	5.84	0.2	3.5
HA114-0.5-0.6	0.5-0.6	Fill, sand	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.11	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.16	<0.1	4.8
HA114-1.0-1.1	1-1.1	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	4.1
HA114-1.5-1.6	1.5-1.6	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.09	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	5.9
HA115-0.4-0.5	0.4-0.5	Fill, silty sand	0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.24	<0.05	0.49	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.49	<0.1	8.1
HA115-0.9-1.0	0.9-1	Fill, sand	0.28	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.25	<0.05	0.53	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<2	<0.05	0.53	<0.1	6.9
HA115-0-0.1	0-0.1	Fill, silty sand	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.57	0.05	1.72	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	1.72	<0.1	3.3
HA115-1.4-1.5	1.4-1.5	Sand	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.14	0.07	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	0.3	<0.1	5.8
HA116-0.15-0.25	0.15-0.25	Fill, silty sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	5
HA116-0.5-0.6	0.5-0.6	Fill, sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	6.5
HA116-1.0-1.1	1-1.1	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	2.7
HA116-1.5-1.6	1.5-1.6	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.08	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.05	<0.1	<0.1	4.1
HA117-0.2-0.3	0.2-0.3	Fill, silty sand	0.33	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.76	<0.05	1.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<10	<0.05	1.09	<0.1	7.7
HA117-0.5-0.6	0.5-0.6	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	<0.1	<0.1	3.9
HA117-1.0-1.1	1-1.1	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.1	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.05	0.1	<0.1	11
HA117-1.5-1.6	1.5-1.6	Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.25	0.06	0.31	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.05	0.31	<0.1	12
HA118-0.2-0.3	0.2-0.3	Fill, silty sand	2.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	3.5	0.09	6.29	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<20	<0.05	6.29	<0.1	6.3
HA118-0.5-0.6	0.5-0.6	Fill, sand	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.24	<0.05	0.33	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.05	0.33	<0.1	3.8
HA118-1.0-1.1	1-1.1	Sand	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.32	<0.05	0.37	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<2	<0.05	0.37	<0.1	2.2
HA118-1.5-1.6	1.5-1.6	Sand	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	0.47	0.08	0.65	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<2	<0.05	0.65	<0.1	14
HA119-0.4-0.5	0.4-0.5	Fill, silty sand	0.86	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	1.2	1.9	3.96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	3.96	<1	12
HA119-0.9-1.0	0.9-1	Fill, silty sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	0.63	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<1	14

Table A2 - Results of Soil Analysis, OCP Delineation
Project Number: 63638
Project Name: Allnex Botany DSI

				Organochlorine Pesticides																								EPA VIC - IWRG621		Other
				4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene	Hexachlorobenzene	Organochlorine Pesticides EPAVic	Other Organochlorine Pesticides EPAVic	Moisture Content (dried @ 103°C)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.05	0.1	0.1	1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil											45	530					3600				100			50		2500	160	80			
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind															640																
Field_ID	**Sample_Depth_Range**	**Matrix_Description**																													
HA119-0-0.1	0-0.1	Fill, silty, sandy gravel		1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	3	1.3	5.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	5.7	<1	8.7
HA119-1.4-1.5	1.4-1.5	Fill, silty sand		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	0.82	0.82	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<1	13
HA120-0.4-0.5	0.4-0.5	Fill, silty, sandy gravel		2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	5.8	7	15.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	15.4	<1	11
HA120-0.9-1.0	0.9-1	Fill, silty, gravelly sand		0.75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	0.85	2.6	4.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	4.2	<1	13
HA120-0-0.1	0-0.1	Fill, silty, sandy gravel		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	0.74	0.74	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<1	<1	4.6
HA120-1.4-1.5	1.4-1.5	Fill, sand		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	1.1	1.4	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	2.5	<1	8.5

Table B: Groundwater Gauging Results
Project Number: 63638
Project Name: Allnex Botany DSI

Well ID	Date	TOC	Total Well Depth	Depth to Water	Standing Water Level	Dissolved Oxygen	Temperature	pH	Electrical Conductivity	Redox (vs Ag/AgCl)	Comments & Physical Description
		(mAHD)	m TOC	m BTOC	(mAHD)	mg/L	°C	-	µs/cm	mV	
JBMW01	01-Nov-22	9.734	6.775	4.260	5.474	0.31	18.8	5.31	170.9	-231	Clear, colourless, no sheen, hydrogen sulfide odour
JBMW02	04-Nov-22	9.871	7.801	4.261	5.610	1.58	20.4	5.96	439.9	-170.1	Turbid, dark brown/grey, no odour, no sheen
JBMW03	04-Nov-22	9.932	7.090	4.450	5.482	0.56	21.8	6.49	4207	-203.7	Slightly turbid, brown, slight sheen, hydrocarbon odour
JBMW04	04-Nov-22	9.931	6.935	4.540	5.391	2.09	20.3	6.53	253.9	-84.8	Moderately turbid, light brownm, no odour, no sheen
JBMW05	04-Nov-22	9.778	7.025	4.745	5.033	0.16	18.4	6.27	543	-226.5	Moderately turbid, brown, no sheen, hydrocarbon odour
JBMW06	01-Nov-22	9.829	7.030	4.710	5.119	0.19	18.7	5.54	1460	-171.1	Clear, brown, no sheen, hydrocarbon odour
JBMW07	01-Nov-22	9.854	7.260	4.715	5.139	0.21	19.2	4.95	338	-144.2	Clear, light brown, no sheen, hydrocarbon/solvent odour
JBMW08	02-Nov-22	9.609	7.325	4.502	5.107	3.28	18.9	6.08	506	-166.5	Turbid, light brown, no odour, no sheen
JBMW09	02-Nov-22	9.685	7.280	4.463	5.222	3.46	19	6.02	387.9	-100.3	Turbid, light brown, no odour, no sheen
JBMW10	02-Nov-22	9.705	7.250	4.445	5.260	1.66	19.2	6.01	334.5	-103.3	Turbid, light brown, no odour, no sheen
JBMW11	02-Nov-22	9.864	6.335	4.556	5.308	2.14	19.5	5.94	144	-38.4	Turbid, light brown, no odour, no sheen
JBMW12	28-Nov-22	8.98	7.855	4.440	4.540	0.85	19.7	5.15	206.4	-210.6	Turbid, light brown, no sheen, strong hydrocarbon odour
JBMW13	28-Nov-22	9.651	7.835	5.035	4.616	0.45	20.7	5.57	272.1	-218.9	Slightly turbid, light brown, no sheen, moderate hydrocarbon odour
MW09	03-Nov-22	-	5.510	4.254	-	0.59	19.5	5.32	408.9	-21.3	Clear, light brown, no sheen, mild hydrocarbon odour
MW10	04-Nov-22	-	6.963	4.479	-	0.26	20.2	6.23	391.8	-163.2	Slightly turbid, light brown, no odour, no sheen
MW11	04-Nov-22	-	6.505	4.648	-	0.07	20	6.07	509	-152.1	Clear, colcourless, no dour, no sheen
MW12	03-Nov-22	-	8.110	4.210	-	0.08	19.6	5.64	361.5	-230.9	Slightly turbid, white precipitate, light brown/yellow, strong hydrocarbon, possibly solvent odour, no sheen
MW13	03-Nov-22	-	8.060	4.459	-	1.73	19.7	5.65	430.1	-59	Slightly turbid, white precipitate, colourless, no odour, no sheen
MW18	03-Nov-22	-	5.945	4.213	-	0.17	19.3	5.58	137	-198.5	Clear, light brown, no sheen, hydrocarbon odour
MW40s	02-Nov-22	-	6.940	4.565	-	0.12	19.2	5.3	175.1	-195.8	Clear, brown, no sheen, hydrocarbon odour
MW41s	02-Nov-22	-	6.845	4.528	-	0.11	19.3	5.32	280.1	-220.5	Slightly turbid, grey/brown, no sheen, hydrocarbon odour
MW312	04-Nov-22	-	8.810	4.453	-	0.39	20	5.82	320.4	-178.9	Slightly turbid, light brown, no sheen, moderate/strong hydrocarbon odour
WG233s	2/22/2022	-	7.890	5.373	-	0.38	20.8	5.55	363.9	-240.2	Clear, colourless, no sheen, hydrogen sulfide & hydrocarbon odour
MW03/WG229s	02-Nov-22	-	7.855	3.040	-	0.16	19.8	6.75	601	-258.6	Clear, brown, no sheen, hydrogen sulfide odour
MW05	04-Nov-22	-	4.625	4.069	-	0.2	18.3	6.16	391.7	-236.3	Clear, some precipitate, light brown, no sheen, hydrogen sulfide odour

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.0002	0.001	0.001	0.001	0.0001	0.001	0.005	0.02	0.05	0.1	0.1	0.1	0.02	0.05	0.1	0.1	0.1	0.02	0.05	0.001	0.001	0.001	0.001	0.002	0.003	0.01
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinking Water 2008)													0.09					0.09		0.09							
ADWG (2011) Health - Updated March-2021	0.01	0.002	0.05	2	0.01	0.001	0.02														0.001	0.8	0.3	0.6	0.6	0.6	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	0.1	0.02	0.5	20	0.1	0.01	0.2														0.01	8	3	6	6	6	
ANZG (2018) Marine water 95% toxicant DGVs		0.0055	0.0044	0.0013	0.0044	0.0001*	0.07	0.008													0.7	0.18	0.08		0.075		0.07
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worker, Sand																											
2-4m														NL	NL						NL	NL	NL			NL	NL
4-8m														NL	NL						NL	NL	NL			NL	NL
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																											
2-4m																			6	NL	5	NL	NL			NL	NL
4-8m																			6	NL	5	NL	NL			NL	NL
PFAS NEMP 2020 Table 1 Health Recreational Water																											
PFAS NEMP 2020 Table 5 Interim marine 95%																											
PFAS NEMP 2020 Table 5 Interim marine 99%																											

Field_ID	Location_Code	Well	Sampled_Date_Time																									
JBMW01	JBMW01		3/11/2022	0.002	<0.0002	0.003	0.001	<0.001	<0.0001	0.001	<0.005	<0.2	0.57	2.1	0.2	2.87	0.48	0.22	2	<0.1	2.22	0.48	0.22	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
QA-GW01	JBMW01		1/11/2022	0.001	<0.0001	0.002	<0.001	<0.001	<0.00005	<0.001	0.002	<0.01	0.96	0.92	<0.1	1.9	<0.01	0.24	0.87	<0.1	1.1	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	-	-
QC-GW01	JBMW01		1/11/2022	0.001	<0.0002	0.004	0.001	<0.001	<0.0001	<0.001	<0.005	<0.02	0.5	1.7	0.1	2.3	0.89	0.23	1.6	<0.1	1.83	0.89	0.23	<0.001	<0.001	<0.001	<0.001	0.002	<0.003	<0.01
JBMW02	JBMW02		4/11/2022	0.001	<0.0002	0.005	0.001	<0.001	<0.0001	0.002	0.007	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW03	JBMW03		4/11/2022	0.041	<0.0002	0.016	0.007	0.015	<0.0001	0.012	0.009	6.4	8.7	5.9	0.3	14.9	8.5	8.2	4.8	<0.1	13	6.9	7.77	0.01	0.051	0.56	0.19	0.79	0.97	0.43
JBMW04	JBMW04		4/11/2022	0.002	<0.0002	0.021	0.002	<0.001	<0.0001	0.002	0.006	<0.02	<0.05	0.3	<0.1	0.3	<0.02	0.1	0.3	<0.1	0.4	<0.02	0.1	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW05	JBMW05		4/11/2022	0.014	<0.0002	0.016	<0.001	0.002	<0.0001	0.002	0.006	6.9	1.3	<0.1	<0.1	1.3	10	0.96	<0.1	<0.1	0.96	5.4	0.96	<0.025	<0.025	3.2	0.05	1.4	1.4	<0.25
JBMW06	JBMW06		1/11/2022	0.029	0.0003	0.085	0.004	0.008	0.0013	0.005	0.071	5	12	6.5	0.3	18.8	6.7	12	5.1	0.1	17.2	3.3	11.91	0.07	1.4	0.76	0.32	0.87	1.2	0.09
JBMW07	JBMW07		1/11/2022	0.004	<0.0002	0.012	0.002	0.001	0.0003	0.001	0.007	39	27	11	1.4	39.4	59	19	10	0.3	29.3	40	18.92	0.66	13	1.2	1.9	2.3	4.3	0.08
JBMW08	JBMW08		1/11/2022	0.002	<0.0002	0.015	0.003	0.012	0.0001	0.003	0.022	<0.02	0.14	0.5	0.2	0.84	<0.02	0.14	0.6	0.1	0.84	<0.02	0.14	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW09	JBMW09		1/11/2022	<0.001	<0.0002	0.003	0.002	<0.001	<0.0001	0.002	<0.005	<0.02	0.05	0.3	<0.1	0.35	<0.02	0.05	0.4	<0.1	0.45	<0.02	0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW10	JBMW10		1/11/2022	0.003	<0.0002	0.007	0.003	0.006	<0.0001	0.002	0.007	<0.02	<0.05	0.2	<0.1	0.2	<0.02	<0.05	0.2	<0.1	0.2	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW11	JBMW11		1/11/2022	0.001	<0.0002	0.003	0.002	0.002	<0.0001	0.002	0.012	<0.02	<0.05	0.1	<0.1	0.1	<0.02	<0.05	0.1	<0.1	0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	8.1	1.5	0.7	<0.1	2.2	8.3	0.96	0.5	<0.1	1.46	2.5	0.95	0.86	4.5	0.17	0.04	0.2	0.24	0.01
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	11	7.7	2.2	0.2	10.1	12	6.8	1.7	0.1	8.6	3.3	6.78	0.69	5.1	1.3	0.46	1.2	1.7	0.02
MW03/WG229S	MW03/WG229S		1/11/2022	0.006	<0.0002	0.007	0.007	0.004	<0.0001	0.003	0.011	0.96	2.2	3	0.4	5.6	1.3	2.6	2.7	0.2	5.5	0.9	2.6	<0.001	<0.001	0.001	<0.001	0.4	0.4	<0.01
QA-GW02	MW03/WG229S		2/11/2022	0.004	<0.0001	0.006	0.005	0.003	<0.00005	0.002	0.015	1.6	2.3	2.4	<0.1	4.7	2.2	2.9	1.7	<0.1	4.5	-	-	<0.01	<0.01	<0.01	<0.01	0.61	-	-
QC-GW02	MW03/WG229S		2/11/2022	0.004	<0.0002	0.007	0.008	0.004	<0.0001	0.003	0.015	1.2	2.1	2.7	0.3	5.1	1.5	2.4	2.3	0.2	4.9	1	2.4	<0.001	<0.001	0.002	<0.001	0.5	0.5	<0.01
MW05	MW05		4/11/2022	<0.001	<0.0002	0.005	0.002	<0.001	<0.0001	0.003	0.011	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW09	MW09		3/11/2022	<0.001	<0.0002	0.001	0.007	0.004	<0.0001	0.001	0.21	3.8	2.2	0.9	0.2	3.3	7.3	2.2	0.9	<0.1	3.1	3	2.2	<0.001	<0.001	0.2	1.8	2.3	4.1	<0.01
MW10	MW10		4/11/2022	0.003	<0.0002	0.006	0.003	<0.001	<0.0001	0.003	0.005	11	0.28	0.1	<0.1	0.38	14	0.24	0.1	<0.1	0.34	7.1	0.24	<0.01	0.095	2.8	1.1	2.9	4	<0.1
MW11	MW11		4/11/2022	<0.001	<0.0002	0.005	0.002	<0.001	<0.0001	0.002	0.017	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW12	MW12		3/11/2022	0.003	<0.0002	0.002	<0.001	0.001	<0.0001	<0.001	<0.005	0.33	5.4	4	0.2	9.6	0.97	8.1	1.7	<0.1	9.8	0.68	8.1	<0.001	0.006	0.021	0.17	0.098	0.26	<0.01
MW13	MW13		3/11/2022	<0.001	<0.0002	<0.001	0.001	<0.001	<0.0001	<0.001	<0.005	<0.02	<0.05	0.1	<0.1	0.1	<0.02	<0.05	0.2	<0.1	0.2	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW18	MW18		3/11/2022	0.002	<0.0002	0.002	0.002	0.003	<0.0001	0.001	0.005	35	4.9	0.7	0.1	5.7	54	1.9	0.6	<0.1	2.5	27	1.71	<0.001	2.9	1.4	7.3	15	22	0.19
MW312	MW312		4/11/2022	0.002	<0.0002	0.006	0.001	<0.001	<0.0001	0.003	0.01	0.41	<0.05	<0.1	<0.1	<0.1	0.61	<0.05	<0.1	<0.1	<0.1	0.36	<0.05	<0.001	0.034	0.046	0.08	0.094	0.17	0.03
MW40S	MW40S		1/11/2022	0.002	<0.0002	0.008	0.002	0.002	<0.0001	0.019	0.016	2.6	4.8	1.4	0.2	6.4	4.8	5.1	1	<0.1	6.1	3.3	5.06	<0.001	0.28	0.33	0.4	0.54	0.94	0.04
MW41S	MW41S		1/11/2022	0.003	<0.0002	0.009	0.017	0.007	<0.0001	0.006	0.08	8.7	7.1	2.7	0.3	10.1	14	6.5	2.2	0.1	8.8	8.7	6.5	0.002	2	0.45	1.4	1.4	2.8	<0.01
WG233S	WG233S		1/11/2022	0.004	<0.0002	0.001	<0.001	<0.001	<0.0001	<0.001	<0.005	0.07	0.06	0.2	<0.1	0.26	0.07	0.08	0.3	<0.1	0.38	0.07	0.08	0.004	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				PAH																									
				2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	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	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Pentachlorophenol	4,4-DDE
				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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.01	0.0002
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																										
ADWG (2011) Health - Updated March-2021											0.00001														0.01	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021											0.0001														0.1	
ANZG (2018) Marine water 95% toxicant DGVs									0.00001*		0.0001							0.001			0.07	0.0006*			0.022	
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																										
2-4m																					NL					
4-8m																					NL					
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																										
2-4m																					NL					
4-8m																					NL					
PFAS NEMP 2020 Table 1 Health Recreational Water																										
PFAS NEMP 2020 Table 5 Interim marine 95%																										
PFAS NEMP 2020 Table 5 Interim marine 99%																										
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																										
JBMW01	JBMW01		3/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
QA-GW01	JBMW01		1/11/2022	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0	<0.01	<0.0002
QC-GW01	JBMW01		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
JBMW02	JBMW02		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
JBMW03	JBMW03		4/11/2022	0.06	<0.005	<0.005	0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	0.071	0.002	<0.001	0.077	<0.01	<0.0002
JBMW04	JBMW04		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
JBMW05	JBMW05		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	<0.001	<0.001	0.015	<0.01	<0.0002
JBMW06	JBMW06		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.052	<0.001	<0.001	0.052	<0.01	<0.0002
JBMW07	JBMW07		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.1	<0.001	<0.001	<0.1	<0.01	<0.002
JBMW08	JBMW08		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
JBMW09	JBMW09		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
JBMW10	JBMW10		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
JBMW11	JBMW11		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01	<0.01	<0.0002
QA-GW02	MW03/WG229S		2/11/2022	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	0.004	<0.01	<0.0002
QC-GW02	MW03/WG229S		2/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	0.004	<0.01	<0.0002
MW05	MW05		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
MW09	MW09		3/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	<0.01	<0.0002
MW10	MW10		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	<0.01	<0.0002
MW11	MW11		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
MW12	MW12		3/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01	<0.01	<0.0002
MW13	MW13		3/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
MW18	MW18		3/11/2022	0.008	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.12	<0.001	<0.001	0.12	<0.01	<0.0002
MW312	MW312		4/11/2022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002
MW40S	MW40S		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	<0.01	<0.0002
MW41S	MW41S		1/11/2022	<0.01	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.073	<0.001	<0.001	0.073	<0.01	<0.0002
WG233S	WG233S		1/11/2022	<0.005	<0.005	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.0002

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Organochlorine Pesticides																				
	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane			DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide
	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	mg/L	mg/L	mg/L
EQL	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002			0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																					
ADWG (2011) Health - Updated March-2021				0.01	0.0003	0.0003	0.0003	0.002			0.009									0.0003	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021				0.1	0.003	0.003	0.003	0.02			0.09									0.003	
ANZG (2018) Marine water 95% toxicant DGVs																	0.000008				
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																					
2-4m																					
4-8m																					
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																					
2-4m																					
4-8m																					
PFAS NEMP 2020 Table 1 Health Recreational Water																					
PFAS NEMP 2020 Table 5 Interim marine 95%																					
PFAS NEMP 2020 Table 5 Interim marine 99%																					
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																			
JBMW01	JBMW01		3/11/2022	.005 - 0.00	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
QA-GW01	JBMW01		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-	-	<0.0002	<0.0002	<0.0002	-	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002
QC-GW01	JBMW01		1/11/2022	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW02	JBMW02		4/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW03	JBMW03		4/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW04	JBMW04		4/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW05	JBMW05		4/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW06	JBMW06		1/11/2022	.005 - 0.00	<0.0002	.005 - 0.00	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.002	<0.002	<0.002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW07	JBMW07		1/11/2022	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	0.005 - 0.000	0.0002	<0.002			<0.02	<0.05	<0.05	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW08	JBMW08		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW09	JBMW09		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW10	JBMW10		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	0.005 - 0.000	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW11	JBMW11		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
QA-GW02	MW03/WG229S		2/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-	-	<0.0002	<0.0002	<0.0002	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.0002	<0.0002
QC-GW02	MW03/WG229S		2/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW05	MW05		4/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW09	MW09		3/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW10	MW10		4/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW11	MW11		4/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW12	MW12		3/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW13	MW13		3/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW18	MW18		3/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW312	MW312		4/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW40S	MW40S		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
MW41S	MW41S		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
WG233S	WG233S		1/11/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Chlorinated Alkanes																Chlorinated Alkenes							
	Methoxychlor	Toxaphene	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Hexachloroethane	Trichlorofluoromethane	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene
	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.0002	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																								
ADWG (2011) Health - Updated March-2021	0.3								0.003				0.003				0.004			0.03				
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	3								0.03				0.03				0.04			0.3				
ANZG (2018) Marine water 95% toxicant DGVs				0.27	0.4	1.9			1.9	0.9	1.1		0.24				4			0.7				
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																								
2-4m																								
4-8m																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																								
2-4m																								
4-8m																								
PFAS NEMP 2020 Table 1 Health Recreational Water																								
PFAS NEMP 2020 Table 5 Interim marine 95%																								
PFAS NEMP 2020 Table 5 Interim marine 99%																								

Field_ID	Location_Code	Well	Sampled_Date_Time																							
JBMW01	JBMW01		3/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
QA-GW01	JBMW01		1/11/2022	<0.0002	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	-	<0.002	<0.01	<0.001	-	<0.001	<0.001	<0.001
QC-GW01	JBMW01		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW02	JBMW02		4/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW03	JBMW03		4/11/2022	<0.0002	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.005	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
JBMW04	JBMW04		4/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW05	JBMW05		4/11/2022	<0.0002	<0.005	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.125	<0.125	<0.125	<0.125	<0.005	<0.125	<0.025	<0.025	<0.025	<0.025	<0.025
JBMW06	JBMW06		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	0.003	<0.001
JBMW07	JBMW07		1/11/2022	<0.0005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	0.01	<0.001
JBMW08	JBMW08		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW09	JBMW09		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW10	JBMW10		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW11	JBMW11		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
QA-GW02	MW03/WG229S		2/11/2022	<0.0002	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1	-	<0.002	<0.1	<0.01	-	<0.01	<0.01	<0.01
QC-GW02	MW03/WG229S		2/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW05	MW05		4/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW09	MW09		3/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW10	MW10		4/11/2022	<0.0002	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.005	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
MW11	MW11		4/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW12	MW12		3/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW13	MW13		3/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW18	MW18		3/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW312	MW312		4/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW40S	MW40S		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
MW41S	MW41S		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
WG233S	WG233S		1/11/2022	<0.0002	<0.005	<0.001	<0.001	<0.001	<0.001	0.006	<0.001	0.021	<0.001	<0.001	0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.001	<0.001	0.028	<0.001

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

			Semivolatile Organic Compounds																					VOC	
			Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	1-Chloronaphthalene	2-Chloronaphthalene	Bis(2-chloroethoxy) methane	Dibenz(a,j)acridine	Acetophenone	Bis(2-chloroisopropyl) ether	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	2,6-dinitrotoluene	2-Picoline	4-Aminobiphenyl	N-Nitrosopiperidine	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-Naphthylamine	2-Naphthylamine	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	Diphenylamine	Butyl benzyl phthalate
			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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.001	0.001	0.001	0.001	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	0.005	0.005	0.005	0.005	0.005	0.005
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																											
ADWG (2011) Health - Updated March-2021			0.05				0.0003																				
ADWG (2011) Health x 10 (Recreational) - Updated March-2021			0.5				0.003																				
ANZG (2018) Marine water 95% toxicant DGVs			0.07			0.33	0.1																				
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																											
2-4m																											
4-8m																											
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sanc																											
2-4m																											
4-8m																											
PFAS NEMP 2020 Table 1 Health Recreational Water																											
PFAS NEMP 2020 Table 5 Interim marine 95%																											
PFAS NEMP 2020 Table 5 Interim marine 99%																											
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																								
JBMW01	JBMW01		3/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
QA-GW01	JBMW01		1/11/2022	<0.001	<0.001	<0.001	<0.001	<0.01	-	<0.002	<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
QC-GW01	JBMW01		1/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
JBMW02	JBMW02		4/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW03	JBMW03		4/11/2022	<0.01	<0.01	<0.01	<0.01	<0.05	<0.005	<0.005	<0.005	<0.005	0.075	<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
JBMW04	JBMW04		4/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW05	JBMW05		4/11/2022	<0.025	<0.025	<0.025	<0.025	<0.125	<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	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW06	JBMW06		1/11/2022	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
JBMW07	JBMW07		1/11/2022	0.004	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	0.054	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
JBMW08	JBMW08		1/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
JBMW09	JBMW09		1/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
JBMW10	JBMW10		1/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
JBMW11	JBMW11		1/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
QA-GW02	MW03/WG229S		2/11/2022	<0.01	<0.01	<0.01	<0.01	<0.1	-	<0.002	<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
QC-GW02	MW03/WG229S		2/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
MW05	MW05		4/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW09	MW09		3/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
MW10	MW10		4/11/2022	<0.01	<0.01	<0.01	<0.01	<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	<0.005	<0.005	<0.005	<0.005	<0.005
MW11	MW11		4/11/2022	0.001	<0.001	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW12	MW12		3/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
MW13	MW13		3/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
MW18	MW18		3/11/2022	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	0.029	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
MW312	MW312		4/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW40S	MW40S		1/11/2022	<0.001	<0.001	<0.001	<0.001	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
MW41S	MW41S		1/11/2022	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	0.034	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
WG233S	WG233S		1/11/2022	<0.001	0.003	<0.001	0.007	0.028	<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	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	Solvents					Phenols																							
	Dibenzofuran	Isobutanol		1-Butanol	Methanol	Acetone	2-Ethyl Hexyl Acrylate	Methyl Methacrylate	Benzyl chloride	2,3,4,6-tetrachlorophenol	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	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-Chloro-3-Methylphenol	4-nitrophenol	Cresol Total	Phenol	Tetrachlorophenols	Phenols (Total Halogenated)
	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.005	0.05		0.05	0.5	0.005	0.1	1	0.005	0.01	0.01	0.01	0.003	0.003	0.03	0.003	0.003	0.003	0.01	0.006	0.03	0.1	0.01	0.03	0.01	0.003	0.03	0.01
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																												
ADWG (2011) Health - Updated March-2021						14						0.02	0.2				0.3											
ADWG (2011) Health x 10 (Recreational) - Updated March-2021						140						0.2	2				3											
ANZG (2018) Marine water 95% toxicant DGVs																									0.4		
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																												
2-4m																												
4-8m																												
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																												
2-4m																												
4-8m																												
PFAS NEMP 2020 Table 1 Health Recreational Water																												
PFAS NEMP 2020 Table 5 Interim marine 95%																												
PFAS NEMP 2020 Table 5 Interim marine 99%																												

Field_ID	Location_Code	Well	Sampled_Date_Time																											
JBMW01	JBMW01		3/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
QA-GW01	JBMW01		1/11/2022	<0.005	<0.05	<0.01	-	<0.2	-	-	-	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.002	<0.002	<0.002	<0.002	<0.004	<0.02	-	<0.01	<0.02	-	<0.002	-	-
QC-GW01	JBMW01		1/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
JBMW02	JBMW02		4/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01
JBMW03	JBMW03		4/11/2022	<0.005	<0.05		<0.05	<0.5	5.8	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.14	<0.03	<0.003	<0.003	0.084	<0.01	0.18	<0.03	<0.1	<0.01	<0.03	0.26	0.52	<0.03	<0.01
JBMW04	JBMW04		4/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01
JBMW05	JBMW05		4/11/2022	<0.005	<0.05		<0.05	<0.5	<0.125	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01
JBMW06	JBMW06		1/11/2022	<0.005	<0.05		<0.05	<0.5	0.39	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.05	<0.03	<0.003	<0.003	0.085	<0.01	<0.2	<0.03	<0.1	<0.01	<0.1	<0.2	0.029	<0.03	<0.01
JBMW07	JBMW07		1/11/2022	<0.005	<0.05		<0.05	<0.5	0.36	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.34	<0.03	<0.003	<0.003	0.27	<0.01	<0.2	<0.03	<0.1	<0.01	<0.1	0.3	0.045	<0.03	<0.01
JBMW08	JBMW08		1/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
JBMW09	JBMW09		1/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
JBMW10	JBMW10		1/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
JBMW11	JBMW11		1/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	<0.005	<0.05		<0.05	<0.5	0.015	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.02	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
QA-GW02	MW03/WG229S		2/11/2022	<0.005	<0.05	<0.01	-	<0.2	-	-	-	-	<0.002	<0.002	<0.002	<0.002	0.003	<0.02	<0.002	<0.002	<0.002	<0.002	<0.004	<0.02	-	<0.01	<0.02	-	<0.002	-	-
QC-GW02	MW03/WG229S		2/11/2022	<0.005	<0.05		<0.05	<0.5	0.009	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.01	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
MW05	MW05		4/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01
MW09	MW09		3/11/2022	<0.005	<0.05		<0.05	<0.5	0.011	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.33	<0.03	<0.003	<0.003	0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
MW10	MW10		4/11/2022	<0.005	<0.05		<0.05	<0.5	<0.05	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.025	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01
MW11	MW11		4/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01
MW12	MW12		3/11/2022	<0.005	<0.05		<0.05	<0.5	0.031	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.01	<0.03	<0.003	<0.003	0.01	<0.01	<0.1	<0.03	<0.1	<0.01	<0.1	<0.1	0.015	<0.03	<0.01
MW13	MW13		3/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
MW18	MW18		3/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.05	<0.03	<0.003	<0.003	0.004	<0.01	<0.05	<0.03	<0.1	<0.01	<0.1	<0.05	0.004	<0.03	<0.01
MW312	MW312		4/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.03	<0.01	<0.003	<0.03	<0.01
MW40S	MW40S		1/11/2022	<0.005	<0.05		<0.05	<0.5	0.11	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	0.17	<0.03	<0.003	<0.003	0.008	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01
MW41S	MW41S		1/11/2022	<0.005	<0.05		<0.05	<0.5	0.056	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	0.03	<0.01	<0.1	<0.03	<0.1	<0.01	<0.1	<0.1	0.008	<0.03	<0.01
WG233S	WG233S		1/11/2022	<0.005	<0.05		<0.05	<0.5	<0.005	<0.1	<1	<0.005	<0.01	<0.01	<0.01	<0.003	<0.003	<0.03	<0.003	<0.003	<0.003	<0.01	<0.006	<0.03	<0.1	<0.01	<0.1	<0.01	<0.003	<0.03	<0.01

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

															PFAS																
				Phenols (Total Non Halogenated)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnD	Perfluorododecanoic acid (PFDoD	Perfluorotridecanoic acid (PFTrD	Perfluorotetradecanoic acid (PFT	Perfluorooctane sulfonamide (FC	N-Methyl perfluorooctane sulfon	N-Ethyl perfluorooctane sulfonar	N-Methylperfluorooctanesulfona	N-ethylperfluorooctanesulfonam	N-methylperfluorooctane sulfona	N-ethyl-perfluorooctanesulfonar	Perfluoropropanesulfonic acid (P	Perfluorobutanesulfonic acid (PF	Perfluoropentanesulfonic acid (P	Perfluorohexanesulfonic acid (PF	Perfluoroheptane sulfonic acid (F	Perfluorooctanesulfonic acid (PF	Perfluorononanesulfonic acid (PF	Perfluorodecanesulfonic acid (PF	1H.1H.2H.2H-perfluorohexanesul	1H.1H.2H.2H-perfluorooctanesul
				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	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				0.1	0.05	0.01	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																																
ADWG (2011) Health - Updated March-2021									0.56																							
ADWG (2011) Health x 10 (Recreational) - Updated March-2021									5.6																							
ANZG (2018) Marine water 95% toxicant DGVs																																
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																																
2-4m																																
4-8m																																
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																																
2-4m																																
4-8m																																
PFAS NEMP 2020 Table 1 Health Recreational Water									10																	2		2				
PFAS NEMP 2020 Table 5 Interim marine 95%									220																			0.13				
PFAS NEMP 2020 Table 5 Interim marine 99%									19																			0.00023				

Field_ID	Location_Code	Well	Sampled_Date_Time																														
JBMW01	JBMW01		3/11/2022	<0.1	<0.05	0.24	0.08	0.05	0.02	<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	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.05
QA-GW01	JBMW01		1/11/2022	-	<0.02	0.28	0.11	0.07	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	-	<0.01	<0.01	<0.01	<0.01	0.02	-	<0.02	<0.01	<0.01
QC-GW01	JBMW01		1/11/2022	<0.1	<0.05	0.23	0.08	0.04	0.02	<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	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05
JBMW02	JBMW02		4/11/2022	<0.1	<0.05	0.13	0.08	0.04	0.02	<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	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.53
JBMW03	JBMW03		4/11/2022	1.184	<0.5	3.4	2.1	2.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	0.2	<0.1	0.1	<0.1	<0.1	<0.1	1.8
JBMW04	JBMW04		4/11/2022	<0.1	<0.05	0.07	0.07	0.03	0.02	<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	<0.01	<0.01	0.05	0.01	0.64	<0.01	<0.01	<0.01	<0.05
JBMW05	JBMW05		4/11/2022	<0.1	<0.5	0.25	0.25	0.23	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.5
JBMW06	JBMW06		1/11/2022	<0.2	0.25	1.9	1.1	0.08	0.03	<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	<0.01	<0.01	0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.83
JBMW07	JBMW07		1/11/2022	0.955	<0.05	0.03	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	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.05
JBMW08	JBMW08		1/11/2022	<0.1	0.07	0.24	0.09	0.04	<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	<0.01	<0.01	0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.05
JBMW09	JBMW09		1/11/2022	<0.1	0.51	3.3	1.7	1.3	0.28	0.02	<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	<0.01	<0.01	0.02	<0.01	0.04	<0.01	<0.01	<0.01	15
JBMW10	JBMW10		1/11/2022	<0.1	<0.05	0.17	0.08	0.03	<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	<0.01	<0.01	0.02	<0.01	0.19	<0.01	<0.01	<0.01	<0.05
JBMW11	JBMW11		1/11/2022	<0.1	<0.05	0.02	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	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.05
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	<0.1	0.42	3	1.2	0.53	0.19	0.09	<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	<0.01	<0.01	0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.98
QA-GW02	MW03/WG229S		2/11/2022	-	0.54	3.4	1.5	0.74	0.25	0.12	<0.02	<0.02	<0.05	<0.1	<0.5	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	-	<0.01	<0.01	<0.01	0.02	<0.01	0.06	-	<0.02	<0.01	1.2
QC-GW02	MW03/WG229S		2/11/2022	<0.1	0.41	2.9	1.2	0.55	0.18	0.09	<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	<0.01	<0.01	0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.89
MW05	MW05		4/11/2022	<0.1	<0.05	0.02	0.01	0.02	0.02	<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	<0.01	<0.01	0.08	0.01	0.11	<0.01	<0.01	<0.01	<0.05
MW09	MW09		3/11/2022	0.333	0.21	1.1	0.54	0.61	<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	<0.01	<0.01	0.4	<0.01	<0.01	<0.01	<0.01	<0.01	0.1
MW10	MW10		4/11/2022	<0.1	<0.5	0.59	0.69	0.25	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.7
MW11	MW11		4/11/2022	<0.1	<0.5	<0.1	<0.1	0.16	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	0.12	<0.1	0.22	<0.1	<0.1	<0.1	<0.5
MW12	MW12		3/11/2022	<0.1	0.09	0.29	0.14	0.08	0.02	<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	<0.01	<0.01	0.07	<0.01	0.03	<0.01	<0.01	<0.01	<0.05
MW13	MW13		3/11/2022	<0.1	0.47	2.4	1.1	0.22	0.07	<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	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	3.6
MW18	MW18		3/11/2022	<0.1	0.51	3.5	2.9	0.52	0.4	0.16	<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	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	15
MW312	MW312		4/11/2022	<0.1	<0.5	0.17	<0.1	0.15	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
MW40S	MW40S		1/11/2022	0.178	<0.05	0.19	0.11	0.06	0.03	<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	<0.01	<0.01	0.04	<0.01	0.36	<0.01	<0.01	<0.01	<0.05
MW41S	MW41S		1/11/2022	<0.1	0.36	0.1	0.05	0.03	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	<0.01	<0.01	0.02	<0.01	0.03	<0.01	<0.01	<0.01	<0.05
WG233S	WG233S		1/11/2022	<0.1	<0.05	0.07	0.05	0.03	0.03	<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	<0.01	<0.01	0.07	<0.01	0.21	<0.01	<0.01	<0.01	0.05

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes								
	1H.1H.2H.2H-perfluorodecanesul	1H.1H.2H.2H-perfluorododecane	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + F	Sum of US EPA PFAS (PFOS + PFO	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene		Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3,4-tetrachlorobenzene	1,2,3,5-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene
	µg/L	µg/L	µg/L	µg/L	µg/L	UG/L	µg/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	mg/L
EQL	0.01	0.01	0.01	0.01	0.01	0.05	0.1	0.001	0.001		0.001	0.003	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.005
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																								
ADWG (2011) Health - Updated March-2021			0.07								0.03				0.001	0.001								
ADWG (2011) Health x 10 (Recreational) - Updated March-2021											0.3				0.01	0.01								
ANZG (2018) Marine water 95% toxicant DGVs														0.03							0.004	0.005		0.005
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																								
2-4m																								
4-8m																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																								
2-4m																								
4-8m																								
PFAS NEMP 2020 Table 1 Health Recreational Water			2																					
PFAS NEMP 2020 Table 5 Interim marine 95%																								
PFAS NEMP 2020 Table 5 Interim marine 99%																								

Field_ID	Location_Code	Well	Sampled_Date_Time																						
JBMW01	JBMW01		3/11/2022	<0.01	<0.01	0.02	0.04	0.04	0.42	0.42	0.46	0.1		<0.001	0.01	<0.001	0.01	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
QA-GW01	JBMW01		1/11/2022	<0.02	<0.02	0.02	-	0.05	-	0.51	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.01	<0.001	-	-	-	-	-	<0.001	<0.002
QC-GW01	JBMW01		1/11/2022	<0.01	<0.01	0.01	0.03	0.03	0.38	0.38	0.51	0.1		<0.001	0.01	<0.001	0.008	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW02	JBMW02		4/11/2022	<0.01	<0.01	0.01	0.03	0.03	0.81	0.81	<0.001	<0.001		<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW03	JBMW03		4/11/2022	<0.1	<0.1	0.3	<0.5	<0.5	10.1	10.1	0.25	0.086		<0.01	1.684	<0.01	0.083	<0.01	<0.05	<0.01	<0.01	9.7	2.3	<0.005	<0.005	<0.005	<0.005
JBMW04	JBMW04		4/11/2022	<0.01	<0.01	0.69	0.71	0.66	0.88	0.89	<0.001	<0.001		<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW05	JBMW05		4/11/2022	<0.1	<0.1	0.11	<0.5	<0.5	0.84	0.84	0.57	0.17		<0.025	5.18	<0.025	0.53	<0.025	<0.125	<0.025	<0.025	<0.125	<0.125	<0.005	<0.005	<0.005	<0.005
JBMW06	JBMW06		1/11/2022	0.05	<0.01	0.07	0.1	0.09	4.31	4.31	0.51	0.1		<0.001	3.479	<0.001	0.059	<0.001	<0.005	<0.001	<0.001	0.04	0.015	<0.005	<0.005	<0.005	<0.005
JBMW07	JBMW07		1/11/2022	<0.01	<0.01	0.01	0.01	0.01	0.05	<0.1	5.8	1.8		0.003	19.233	<0.001	0.17	<0.001	<0.005	<0.001	<0.001	<0.005	0.019	<0.005	<0.005	<0.005	<0.005
JBMW08	JBMW08		1/11/2022	<0.01	<0.01	0.03	0.03	0.02	0.47	0.47	<0.001	<0.001		<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW09	JBMW09		1/11/2022	<0.01	<0.01	0.06	0.34	0.32	22.15	22.17	<0.001	<0.001		<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW10	JBMW10		1/11/2022	<0.01	<0.01	0.21	0.21	0.19	0.49	0.49	0.001	<0.001		<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW11	JBMW11		1/11/2022	<0.01	<0.01	0.05	0.05	0.05	0.08	<0.1	<0.001	<0.001		<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	0.06	<0.01	0.07	0.26	0.25	6.45	6.54	0.15	0.04		<0.001	0.44	<0.001	0.039	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
QA-GW02	MW03/WG229S		2/11/2022	0.08	<0.02	0.08	-	0.3	-	8	0.2	0.048	0.081	<0.01	-	<0.01	0.055	<0.01	<0.1	<0.01	-	-	-	-	-	<0.01	<0.002
QC-GW02	MW03/WG229S		2/11/2022	0.05	<0.01	0.07	0.25	0.24	6.25	6.34	0.18	0.049		<0.001	0.553	<0.001	0.051	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW05	MW05		4/11/2022	<0.01	<0.01	0.19	0.21	0.13	0.26	0.27	0.004	<0.001		<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW09	MW09		3/11/2022	<0.01	<0.01	0.4	0.4	<0.01	2.96	2.96	0.011	0.008		<0.001	4.302	<0.001	0.002	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW10	MW10		4/11/2022	<0.1	<0.1	<0.1	<0.5	<0.5	3.23	3.23	0.37	0.14		<0.01	6.943	<0.01	0.048	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005
MW11	MW11		4/11/2022	<0.1	<0.1	0.34	<0.5	<0.5	0.5	0.5	<0.001	<0.001		<0.001	<0.003	<0.001	0.002	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW12	MW12		3/11/2022	<0.01	<0.01	0.1	0.12	0.05	0.72	0.72	0.12	0.03		<0.001	0.301	<0.001	0.006	<0.001	<0.005	<0.001	<0.001	<0.005	0.009	<0.005	<0.005	<0.005	<0.005
MW13	MW13		3/11/2022	<0.01	<0.01	0.02	0.09	0.07	7.88	7.88	<0.001	<0.001		<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW18	MW18		3/11/2022	0.02	<0.01	0.02	0.42	0.42	22.87	23.03	2.4	0.67		0.21	26.864	<0.001	0.054	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW312	MW312		4/11/2022	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	0.019	0.007		0.002	0.258	<0.001	0.002	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW40S	MW40S		1/11/2022	<0.01	<0.01	0.4	0.43	0.39	0.79	0.79	0.37	0.23		0.011	1.571	0.002	0.01	<0.001	<0.005	<0.001	<0.001	<0.005	0.008	<0.005	<0.005	<0.005	<0.005
MW41S	MW41S		1/11/2022	<0.01	<0.01	0.05	0.06	0.04	0.6	0.6	<0.001	<0.001		<0.001	5.265	0.001	0.013	<0.001	<0.005	<0.001	<0.001	<0.005	0.007	<0.005	<0.005	<0.005	<0.005
WG233S	WG233S		1/11/2022	<0.01	<0.01	0.28	0.31	0.24	0.51	0.51	<0.001	<0.001		<0.001	0.004	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				Trihalomethanes				Acrylates		Herbicides & Fungicides			Phthalates					Nitrobenzenes		Nitrotoluenes	Anilines				O
				1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3,5-trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Butyl Acrylate	Methyl acrylate	Dinoseb	Pronamide	Trifluralin	Bis(2-ethylhexyl) phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Nitrobenzene	Pentachloronitrobenzene	2,4-dinitrotoluene
				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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				0.005	0.001	0.005	0.001	0.001	0.001	0.0002	0.005	0.001	0.005	0.001	0.001	0.25	1	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																												
ADWG (2011) Health - Updated March-2021					1.5			0.04	0.3										0.07	0.09	0.01						0.03	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021					15			0.4	3										0.7	0.9	0.1						0.3	
ANZG (2018) Marine water 95% toxicant DGVs				0.08		0.013			0.055	0.0001	0.002		0.77															
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																												
2-4m																												
4-8m																												
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																												
2-4m																												
4-8m																												
PFAS NEMP 2020 Table 1 Health Recreational Water																												
PFAS NEMP 2020 Table 5 Interim marine 95%																												
PFAS NEMP 2020 Table 5 Interim marine 99%																												
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																									
JBMW01	JBMW01		3/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
QA-GW01	JBMW01		1/11/2022	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.0002	<0.002	<0.001	<0.001	<0.001	<0.001	-	-	<0.01	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	-
QC-GW01	JBMW01		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW02	JBMW02		4/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	0.014	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW03	JBMW03		4/11/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.0002	<0.005	<0.01	<0.01	<0.01	<0.01	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW04	JBMW04		4/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW05	JBMW05		4/11/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.0002	<0.005	<0.025	<0.025	<0.025	<0.025	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW06	JBMW06		1/11/2022	<0.005	0.01 - 0.01	<0.005	<0.001	0.005 - 0.0	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW07	JBMW07		1/11/2022	<0.005	0.05 - 0.04	<0.005	<0.001	0.005 - 0.0	0.002	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW08	JBMW08		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW09	JBMW09		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW10	JBMW10		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW11	JBMW11		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
QA-GW02	MW03/WG229S		2/11/2022	<0.002	<0.002	-	<0.002	<0.002	<0.01	<0.0002	<0.002	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	-
QC-GW02	MW03/WG229S		2/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW05	MW05		4/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW09	MW09		3/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW10	MW10		4/11/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.0002	<0.005	<0.01	<0.01	<0.01	<0.01	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW11	MW11		4/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW12	MW12		3/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW13	MW13		3/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW18	MW18		3/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW312	MW312		4/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW40S	MW40S		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
MW41S	MW41S		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005
WG233S	WG233S		1/11/2022	<0.005	<0.001	<0.005	<0.001	<0.001	0.002	<0.0002	<0.005	<0.001	<0.005	<0.001	<0.001	<0.25	<1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005

* 99% species protection level adopted due to bioaccumulation

Table C - Results of Groundwater Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	rganic Alcohols				EPA VIC - IWRG621				lorinated Hydrocarb		Glycols		NA					
	2-Nitroaniline	Aniline	Carbon disulfide	1-Propanol	2-Propanol	Ethanol	Ethylene glycol	Propylene glycol	Formaldehyde	Chlorinated Hydrocarbons EPAVi	Other Chlorinated Hydrocarbons	Organochlorine Pesticides EPAVi	Other Organochlorine Pesticides	Hexachlorocyclopentadiene	Hexachlorobutadiene	Diethylene glycol	Triethylene Glycol	Ethyl acrylate
	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	mg/L	mg/L
EQL	0.005	0.005	0.001	0.05	0.05	0.05	20	20	0.2	0.005	0.005	0.002	0.002	0.005	0.005	20	20	1
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinkin																		
ADWG (2011) Health - Updated March-2021									0.5						0.0007			
ADWG (2011) Health x 10 (Recreational) - Updated March-2021									5						0.007			
ANZG (2018) Marine water 95% toxicant DGVs																		
CRC Care 2011 Table A2 Vapour Intrusion Intrusive Maintenance Worke																		
2-4m																		
4-8m																		
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																		
2-4m																		
4-8m																		
PFAS NEMP 2020 Table 1 Health Recreational Water																		
PFAS NEMP 2020 Table 5 Interim marine 95%																		
PFAS NEMP 2020 Table 5 Interim marine 99%																		
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**															
JBMW01	JBMW01		3/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
QA-GW01	JBMW01		1/11/2022	<0.005	<0.005	-	<0.05	<0.05	<0.05	<10	<10	<0.03	-	-	-	-	<0.005	<0.001	<50	<100	-
QC-GW01	JBMW01		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<20	<20	<1
JBMW02	JBMW02		4/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	0.014	0.014	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW03	JBMW03		4/11/2022	<0.005	<0.005	<0.01	<0.05	<0.05	<0.05	<20	<20	0.6	<0.05	<0.05	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW04	JBMW04		4/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW05	JBMW05		4/11/2022	<0.005	<0.005	<0.025	<0.05	<0.05	<0.05	<20	<20	0.2	<0.125	<0.125	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW06	JBMW06		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	1.2	0.015	0.015	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW07	JBMW07		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	2.4	0.066	0.066	<0.05	<0.002	<0.005	<0.005	<20	<20	<1
JBMW08	JBMW08		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW09	JBMW09		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW10	JBMW10		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW11	JBMW11		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
JBMW12	JBMW12		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW13	JBMW13		28/11/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW03/WG229S	MW03/WG229S		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
QA-GW02	MW03/WG229S		2/11/2022	<0.005	<0.005	-	<0.05	<0.05	<0.05	<10	<10	<0.03	-	-	-	-	<0.005	<0.002	<50	<100	-
QC-GW02	MW03/WG229S		2/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW05	MW05		4/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW09	MW09		3/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	0.3	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW10	MW10		4/11/2022	<0.005	<0.005	<0.01	<0.05	<0.05	<0.05	<20	<20	0.3	<0.05	<0.05	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW11	MW11		4/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW12	MW12		3/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW13	MW13		3/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	<0.2	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW18	MW18		3/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	0.6	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW312	MW312		4/11/2022	<0.005	<0.005	0.001	<0.05	<0.05	<0.05	<20	<20	0.4	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW40S	MW40S		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	0.3	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
MW41S	MW41S		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	0.9	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<20	<20	<1
WG233S	WG233S		1/11/2022	<0.005	<0.005	<0.001	<0.05	<0.05	<0.05	<20	<20	0.4	0.094	0.066	<0.002	<0.002	<0.005	<0.005	<20	<20	<1

* 99% species protection level adopted due to bioaccumulation

Table D - Results of Soil Vapour Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	TRHs (NEPC 2013)				BTEXN						PAH		Chlorinated Alkanes										
	C6-C10	TRH C6-C10 less BTEX (F1)	TRH >C10-C16	TRH >C10-C16 less Naphthalene (F2)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene	Epichlorohydrin	Nonane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane
	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
EQL	3.333334	3.333334	3.333334	3.333334	0.0833335	0.0833335	0.0833335	0.8335	1.667	0.2500005	0.0833335	0.8335	0.8335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335
NEPM 2013 Table 1A(2) Comm/Ind D Soil Vap VOCC HILs															230								
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapour Intrusion, Sand																							
0-1m		680		500	4	4800	1300			840	3												
1-2m		2800		2400	10	16000	4600			3200	15												
2-4m		7000		NL	30	39000	11000			8000	35												
4-8m		15,000		NL	65	84000	25000			18000	75												
>8m		32,000		NL	130	NL	53000			37000	150												

Field_ID	Location_Code	Sampled_Date_Time																						
SV01 - BACK	SV01	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV01 - FRONT	SV01	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV02 - BACK	SV02	27/10/2022	<3.333334	<3.333334	10.5	10.5	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV02 - FRONT	SV02	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV03 BACK	SV03	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV03 FRONT	SV03	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV04 - BACK	SV04	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV04 - FRONT	SV04	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV05 - BACK	SV05	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV05 - FRONT	SV05	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	0.333334	<0.0833335	-	-	0.2666672	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV06 - BACK	SV06	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV06 - FRONT	SV06	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV07 - BACK	SV07	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV07 - FRONT	SV07	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV08 BACK	SV08	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV08 FRONT	SV08	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV09 - BACK	SV09	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV09 - FRONT	SV09	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV10 BACK	SV10	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV10 FRONT	SV10	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV11 BACK	SV11	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV11 FRONT	SV11	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV12 - BACK	SV12	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV12 - FRONT	SV12	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV13 - BACK	SV13	27/10/2022	108.3334	108.3334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV13 - FRONT	SV13	27/10/2022	7000.001	6833.335	716.66	716.66	0.2333338	2.500005	26.66672	-	-	78.33349	0.0833335	-	-	<0.0833335	<0.0833335	2.833339	<0.0833335	<0.0833335	0.3500007	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV14 - BACK	SV14	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV14 - FRONT	SV14	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	0.1166669	<0.0833335	-	-	0.3000006	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV15 - BACK	SV15	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV15 - FRONT	SV15	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV16 BACK	SV16	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV16 FRONT	SV16	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV17 BACK	SV17	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV17 FRONT	SV17	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	0.2833339	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV18 - BACK	SV18	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV18 - FRONT	SV18	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV19 - BACK	SV19	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV19 - FRONT	SV19	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	0.2000004	0.2666672	-	-	0.7833349	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV20 - BACK	SV20	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV20 - FRONT	SV20	27/10/2022	1000	866.6668	65	65	0.0833335	3.000006	14.166695	-	-	116.6669	<0.0833335	-	-	<0.0833335	<0.0833335	0.7666682	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV21 BACK	SV21	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV21 FRONT	SV21	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QA_SV01	SV22	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.3334	<0.8335	<0.8335	<0.8335	<1.667	-	<0.8335	<0.8335	<0.8335	-	-	-	-	-	-	-	<0.8335	-	-
SV22 BACK	SV22	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV22 FRONT	SV22	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV23 - BACK	SV23	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV23 - FRONT	SV23	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV24 - BACK	SV24	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV24 - FRONT	SV24	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV25 BACK	SV25	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335

Table D - Results of Soil Vapour Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	TRHs (NEPC 2013)				BTEXN						PAH		Chlorinated Alkanes										
	C6-C10	TRH C6-C10 less BTEX (F1)	TRH >C10-C16	TRH >C10-C16 less Naphthalene (F2)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene	Epichlorohydrin	Nonane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane
	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
EQL	3.333334	3.333334	3.333334	3.333334	0.0833335	0.0833335	0.0833335	0.8335	1.667	0.2500005	0.0833335	0.8335	0.8335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335
NEPM 2013 Table 1A(2) Comm/Ind D Soil Vap VOCC HILs															230								
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapour Intrusion, Sand																							
0-1m		680		500	4	4800	1300			840	3												
1-2m		2800		2400	10	16000	4600			3200	15												
2-4m		7000		NL	30	39000	11000			8000	35												
4-8m		15,000		NL	65	84000	25000			18000	75												
>8m		32,000		NL	130	NL	53000			37000	150												

Field_ID	Location_Code	Sampled_Date_Time																						
SV25 FRONT	SV25	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV26 - BACK	SV26	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV26 - FRONT	SV26	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV27 - BACK	SV27	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV27 - FRONT	SV27	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV28 BACK	SV28	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV28 FRONT	SV28	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV29 - BACK	SV29	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV29 - FRONT	SV29	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV30 - BACK	SV30	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV30 - FRONT	SV30	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QA_SV02	SV31	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.3334	<0.8335	<0.8335	<0.8335	<1.667	-	<0.8335	<0.8335	<0.8335	-	-	-	-	-	-	-	<0.8335	-	-
SV31 - BACK	SV31	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV31 - FRONT	SV31	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	0.1000002	-	-	2.833339	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV32 - BACK	SV32	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV32 - FRONT	SV32	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC - SV01 BACK	SV33	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC - SV01 FRONT	SV33	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV33 BACK	SV33	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV33 FRONT	SV33	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV34 BACK	SV34	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV34 FRONT	SV34	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV35 BACK	SV35	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV35 FRONT	SV35	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV36 BACK	SV36	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV36 FRONT	SV36	26/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV37 - BACK	SV37	27/10/2022	<3.333334	<3.333334	3.5	3.5	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV37 - FRONT	SV37	27/10/2022	26.666672	26.666672	21.666671	21.666671	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC-SV02 - BACK	SV38	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC-SV02 - FRONT	SV38	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV38 - BACK	SV38	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV38 - FRONT	SV38	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV39 - BACK	SV39	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV39 - FRONT	SV39	27/10/2022	8.5	8.5	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC-SV03 - BACK	SV40	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC-SV03 - FRONT	SV40	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV40 - BACK	SV40	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV40 - FRONT	SV40	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV41 - BACK	SV41	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV41 - FRONT	SV41	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QA_SV03	SV42	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.3334	<0.8335	<0.8335	<0.8335	<1.667	-	<0.8335	<0.8335	<0.8335	-	-	-	-	-	-	-	<0.8335	-	-
SV42 - BACK	SV42	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV42 - FRONT	SV42	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV43 - BACK	SV43	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV43 - FRONT	SV43	27/10/2022	4.333334	4.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV44 - BACK	SV44	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV44 - FRONT	SV44	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV45 - BACK	SV45	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV45 - FRONT	SV45	27/10/2022	<3.333334	<3.333334	<3.333334	<3.333334	<0.0833335	<0.0833335	<0.0833335	-	-	<0.2500005	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335

Table D - Results of Soil Vapour Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

					Chlorinated Alkenes										Solvents								
	2,2-dichloropropane	Bromochloromethane	Carbon tetrachloride	Trichlorofluoromethane	1,1-dichloroethene	1,1-dichloropropene	2-chlorotoluene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	Decane	Hexane	Cyclohexanone	Acetone	1,4-Dioxane	Ethyl Acetate	Acrylonitrile	Benzyl chloride	1,2,4-trimethylbenzene
	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
EQL	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.8335	0.8335	0.8335	0.8335	0.8335	0.8335	0.8335	0.8335	0.0833335
NEPM 2013 Table 1A(2) Comm/Ind D Soil Vap VOCC HILs									0.3		8		0.08	0.1									
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapou																							
0-1m																							
1-2m																							
2-4m																							
4-8m																							
>8m																							
Field_ID	**Location_Code**	**Sampled_Date_Time**																					
SV01 - BACK	SV01	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV01 - FRONT	SV01	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV02 - BACK	SV02	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV02 - FRONT	SV02	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV03 BACK	SV03	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV03 FRONT	SV03	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV04 - BACK	SV04	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV04 - FRONT	SV04	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV05 - BACK	SV05	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV05 - FRONT	SV05	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV06 - BACK	SV06	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV06 - FRONT	SV06	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV07 - BACK	SV07	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV07 - FRONT	SV07	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV08 BACK	SV08	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV08 FRONT	SV08	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV09 - BACK	SV09	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV09 - FRONT	SV09	27/10/2022	<0.0833335	0.2333338	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV10 BACK	SV10	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV10 FRONT	SV10	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV11 BACK	SV11	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV11 FRONT	SV11	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV12 - BACK	SV12	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV12 - FRONT	SV12	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV13 - BACK	SV13	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV13 - FRONT	SV13	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	36.66674
SV14 - BACK	SV14	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV14 - FRONT	SV14	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV15 - BACK	SV15	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV15 - FRONT	SV15	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV16 BACK	SV16	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV16 FRONT	SV16	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV17 BACK	SV17	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV17 FRONT	SV17	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV18 - BACK	SV18	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV18 - FRONT	SV18	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	0.1500003	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV19 - BACK	SV19	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV19 - FRONT	SV19	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV20 - BACK	SV20	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV20 - FRONT	SV20	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	0.166667	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	3.166673
SV21 BACK	SV21	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV21 FRONT	SV21	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QA_SV01	SV22	26/10/2022	-	-	<0.8335	-	-	-	-	-	-	-	<0.8335	-	<0.8335	-	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	-
SV22 BACK	SV22	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV22 FRONT	SV22	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV23 - BACK	SV23	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV23 - FRONT	SV23	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV24 - BACK	SV24	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV24 - FRONT	SV24	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV25 BACK	SV25	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335

Table D - Results of Soil Vapour Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

					Chlorinated Alkenes										Solvents								
	2,2-dichloropropane	Bromochloromethane	Carbon tetrachloride	Trichlorofluoromethane	1,1-dichloroethene	1,1-dichloropropene	2-chlorotoluene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	Decane	Hexane	Cyclohexanone	Acetone	1,4-Dioxane	Ethyl Acetate	Acrylonitrile	Benzyl chloride	1,2,4-trimethylbenzene
	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
EQL	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.8335	0.8335	0.8335	0.8335	0.8335	0.8335	0.8335	0.8335	0.0833335
NEPM 2013 Table 1A(2) Comm/Ind D Soil Vap VOCC HILs									0.3		8		0.08	0.1									
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapou																							
0-1m																							
1-2m																							
2-4m																							
4-8m																							
>8m																							
Field_ID	**Location_Code**	**Sampled_Date_Time**																					
SV25 FRONT	SV25	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV26 - BACK	SV26	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV26 - FRONT	SV26	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV27 - BACK	SV27	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV27 - FRONT	SV27	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV28 BACK	SV28	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV28 FRONT	SV28	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV29 - BACK	SV29	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV29 - FRONT	SV29	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	0.2833339
SV30 - BACK	SV30	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV30 - FRONT	SV30	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	0.2000004	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QA_SV02	SV31	26/10/2022	-	-	<0.8335	-	-	-	-	-	-	-	<0.8335	-	<0.8335	-	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	-
SV31 - BACK	SV31	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV31 - FRONT	SV31	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	0.1000002	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	0.1500003
SV32 - BACK	SV32	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV32 - FRONT	SV32	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	0.1333336	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QC - SV01 BACK	SV33	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QC - SV01 FRONT	SV33	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV33 BACK	SV33	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV33 FRONT	SV33	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV34 BACK	SV34	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV34 FRONT	SV34	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV35 BACK	SV35	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV35 FRONT	SV35	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV36 BACK	SV36	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV36 FRONT	SV36	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV37 - BACK	SV37	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV37 - FRONT	SV37	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QC-SV02 - BACK	SV38	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QC-SV02 - FRONT	SV38	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV38 - BACK	SV38	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV38 - FRONT	SV38	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV39 - BACK	SV39	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV39 - FRONT	SV39	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QC-SV03 - BACK	SV40	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QC-SV03 - FRONT	SV40	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV40 - BACK	SV40	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV40 - FRONT	SV40	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV41 - BACK	SV41	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV41 - FRONT	SV41	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
QA_SV03	SV42	27/10/2022	-	-	<0.8335	-	-	-	-	-	-	-	<0.8335	-	<0.8335	-	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	-
SV42 - BACK	SV42	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV42 - FRONT	SV42	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV43 - BACK	SV43	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV43 - FRONT	SV43	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	1.4833363	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV44 - BACK	SV44	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV44 - FRONT	SV44	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV45 - BACK	SV45	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335
SV45 - FRONT	SV45	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	-	-	-	-	-	-	-	-	<0.0833335

Table D - Results of Soil Vapour Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

	MAH								Miscellaneous Hydrocarbons					Chlorinated Benzenes						Trihalomethanes		
	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Isopropylbenzene	1,2-dibromoethane	Cyclohexane	Dibromomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane
	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
EQL	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.833335	0.0833335	0.0833335	0.0833335	0.8335	0.0833335	0.8335	0.8335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335
NEPM 2013 Table 1A(2) Comm/Ind D Soil Vap VOCC HILs																						
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapou																						
0-1m																						
1-2m																						
2-4m																						
4-8m																						
>8m																						

Field_ID	Location_Code	Sampled_Date_Time																				
SV01 - BACK	SV01	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV01 - FRONT	SV01	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV02 - BACK	SV02	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV02 - FRONT	SV02	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	0.1000002	<0.0833335
SV03 BACK	SV03	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV03 FRONT	SV03	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV04 - BACK	SV04	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV04 - FRONT	SV04	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV05 - BACK	SV05	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV05 - FRONT	SV05	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV06 - BACK	SV06	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV06 - FRONT	SV06	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV07 - BACK	SV07	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV07 - FRONT	SV07	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV08 BACK	SV08	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV08 FRONT	SV08	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV09 - BACK	SV09	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV09 - FRONT	SV09	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	1.5833365	<0.0833335
SV10 BACK	SV10	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV10 FRONT	SV10	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV11 BACK	SV11	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV11 FRONT	SV11	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV12 - BACK	SV12	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV12 - FRONT	SV12	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV13 - BACK	SV13	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV13 - FRONT	SV13	27/10/2022	48.33343	2.500005	45.00009	4.333342	6.500013	<0.833335	2.000004	16.333366	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV14 - BACK	SV14	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV14 - FRONT	SV14	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV15 - BACK	SV15	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV15 - FRONT	SV15	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV16 BACK	SV16	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV16 FRONT	SV16	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV17 BACK	SV17	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV17 FRONT	SV17	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV18 - BACK	SV18	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV18 - FRONT	SV18	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV19 - BACK	SV19	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV19 - FRONT	SV19	27/10/2022	0.1000002	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV20 - BACK	SV20	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV20 - FRONT	SV20	27/10/2022	1.6166699	<0.0833335	0.500001	<0.0833335	<0.0833335	<0.833335	<0.0833335	0.4500009	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV21 BACK	SV21	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV21 FRONT	SV21	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QA_SV01	SV22	26/10/2022	-	-	-	-	-	<0.8335	-	<0.8335	-	<0.8335	-	<0.8335	<0.8335	-	-	-	-	-	<0.8335	-	-	-
SV22 BACK	SV22	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV22 FRONT	SV22	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV23 - BACK	SV23	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV23 - FRONT	SV23	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV24 - BACK	SV24	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV24 - FRONT	SV24	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV25 BACK	SV25	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335

Table D - Results of Soil Vapour Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

			MAH								Miscellaneous Hydrocarbons					Chlorinated Benzenes						Trihalomethanes		
			1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Isopropylbenzene	1,2-dibromoethane	Cyclohexane	Dibromomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane
			mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
EQL			0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.833335	0.0833335	0.0833335	0.0833335	0.8335	0.0833335	0.8335	0.8335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335	0.0833335
NEPM 2013 Table 1A(2) Comm/Ind D Soil Vap VOCC HILs																								
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapou																								
0-1m																								
1-2m																								
2-4m																								
4-8m																								
>8m																								
Field_ID	**Location_Code**	**Sampled_Date_Time**																						
SV25 FRONT	SV25	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV26 - BACK	SV26	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV26 - FRONT	SV26	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV27 - BACK	SV27	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV27 - FRONT	SV27	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV28 BACK	SV28	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV28 FRONT	SV28	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV29 - BACK	SV29	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV29 - FRONT	SV29	27/10/2022	0.3000006	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV30 - BACK	SV30	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV30 - FRONT	SV30	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QA_SV02	SV31	26/10/2022	-	-	-	-	-	<0.8335	-	<0.8335	-	<0.8335	-	<0.8335	<0.8335	-	-	-	-	-	<0.8335	-	-	-
SV31 - BACK	SV31	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV31 - FRONT	SV31	27/10/2022	0.2666672	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV32 - BACK	SV32	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV32 - FRONT	SV32	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC - SV01 BACK	SV33	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC - SV01 FRONT	SV33	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV33 BACK	SV33	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV33 FRONT	SV33	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV34 BACK	SV34	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV34 FRONT	SV34	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV35 BACK	SV35	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV35 FRONT	SV35	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV36 BACK	SV36	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV36 FRONT	SV36	26/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV37 - BACK	SV37	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV37 - FRONT	SV37	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC-SV02 - BACK	SV38	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC-SV02 - FRONT	SV38	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV38 - BACK	SV38	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV38 - FRONT	SV38	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV39 - BACK	SV39	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV39 - FRONT	SV39	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC-SV03 - BACK	SV40	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QC-SV03 - FRONT	SV40	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV40 - BACK	SV40	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV40 - FRONT	SV40	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV41 - BACK	SV41	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV41 - FRONT	SV41	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
QA_SV03	SV42	27/10/2022	-	-	-	-	-	<0.8335	-	<0.8335	-	<0.8335	-	<0.8335	<0.8335	-	-	-	-	-	<0.8335	-	-	-
SV42 - BACK	SV42	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV42 - FRONT	SV42	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV43 - BACK	SV43	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV43 - FRONT	SV43	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV44 - BACK	SV44	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV44 - FRONT	SV44	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV45 - BACK	SV45	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335
SV45 - FRONT	SV45	27/10/2022	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.833335	<0.0833335	<0.0833335	<0.0833335	-	<0.0833335	-	-	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335	<0.0833335

Table D - Results of Soil Vapour Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				NA		Other			
	Bromodichloromethane	2-Propanol	Hexachlorobutadiene	Ethyl acrylate	Methyl styrene (alpha)	1,2-butylacetate	Di-isobutyl Ketone	Dodecane	Propylene oxide
	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
EQL	0.0833335	1.66667	0.0833335	0.8335	0.8335	0.8335	0.8335	0.8335	1.667
NEPM 2013 Table 1A(2) Comm/Ind D Soil Vap VOCC HILs									
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapou									
0-1m									
1-2m									
2-4m									
4-8m									
>8m									

Field_ID	Location_Code	Sampled_Date_Time									
SV01 - BACK	SV01	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV01 - FRONT	SV01	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV02 - BACK	SV02	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV02 - FRONT	SV02	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV03 BACK	SV03	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV03 FRONT	SV03	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV04 - BACK	SV04	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV04 - FRONT	SV04	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV05 - BACK	SV05	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV05 - FRONT	SV05	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV06 - BACK	SV06	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV06 - FRONT	SV06	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV07 - BACK	SV07	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV07 - FRONT	SV07	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV08 BACK	SV08	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV08 FRONT	SV08	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV09 - BACK	SV09	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV09 - FRONT	SV09	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV10 BACK	SV10	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV10 FRONT	SV10	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV11 BACK	SV11	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV11 FRONT	SV11	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV12 - BACK	SV12	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV12 - FRONT	SV12	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV13 - BACK	SV13	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV13 - FRONT	SV13	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV14 - BACK	SV14	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV14 - FRONT	SV14	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV15 - BACK	SV15	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV15 - FRONT	SV15	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV16 BACK	SV16	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV16 FRONT	SV16	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV17 BACK	SV17	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV17 FRONT	SV17	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV18 - BACK	SV18	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV18 - FRONT	SV18	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV19 - BACK	SV19	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV19 - FRONT	SV19	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV20 - BACK	SV20	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV20 - FRONT	SV20	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV21 BACK	SV21	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV21 FRONT	SV21	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QA_SV01	SV22	26/10/2022	-	<0.8335	-	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<1.667
SV22 BACK	SV22	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV22 FRONT	SV22	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV23 - BACK	SV23	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV23 - FRONT	SV23	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV24 - BACK	SV24	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV24 - FRONT	SV24	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV25 BACK	SV25	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-

Table D - Results of Soil Vapour Analysis
Project Number: 63638
Project Name: Allnex Botany DSI

				NA		Other				
	Bromodichloromethane	2-Propanol	Hexachlorobutadiene	Ethyl acrylate	Methyl styrene (alpha)	1,2-butylacetate	Di-isobutyl Ketone	Dodecane	Propylene oxide
	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
EQL	0.0833335	1.66667	0.0833335	0.8335	0.8335	0.8335	0.8335	0.8335	1.667
NEPM 2013 Table 1A(2) Comm/Ind D Soil Vap VOCC HILs									
NEPM 2013 Table 1A(5) Comm/Ind D Soil Vapour HSL for Vapou									
0-1m									
1-2m									
2-4m									
4-8m									
>8m									

Field_ID	Location_Code	Sampled_Date_Time									
SV25 FRONT	SV25	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV26 - BACK	SV26	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV26 - FRONT	SV26	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV27 - BACK	SV27	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV27 - FRONT	SV27	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV28 BACK	SV28	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV28 FRONT	SV28	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV29 - BACK	SV29	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV29 - FRONT	SV29	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV30 - BACK	SV30	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV30 - FRONT	SV30	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QA_SV02	SV31	26/10/2022	-	<0.8335	-	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<1.667
SV31 - BACK	SV31	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV31 - FRONT	SV31	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV32 - BACK	SV32	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV32 - FRONT	SV32	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QC - SV01 BACK	SV33	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QC - SV01 FRONT	SV33	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV33 BACK	SV33	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV33 FRONT	SV33	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV34 BACK	SV34	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV34 FRONT	SV34	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV35 BACK	SV35	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV35 FRONT	SV35	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV36 BACK	SV36	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV36 FRONT	SV36	26/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV37 - BACK	SV37	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV37 - FRONT	SV37	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QC-SV02 - BACK	SV38	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QC-SV02 - FRONT	SV38	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV38 - BACK	SV38	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV38 - FRONT	SV38	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV39 - BACK	SV39	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV39 - FRONT	SV39	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QC-SV03 - BACK	SV40	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QC-SV03 - FRONT	SV40	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV40 - BACK	SV40	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV40 - FRONT	SV40	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV41 - BACK	SV41	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV41 - FRONT	SV41	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
QA_SV03	SV42	27/10/2022	-	<0.8335	-	<0.8335	<0.8335	<0.8335	<0.8335	<0.8335	<1.667
SV42 - BACK	SV42	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV42 - FRONT	SV42	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV43 - BACK	SV43	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV43 - FRONT	SV43	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV44 - BACK	SV44	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV44 - FRONT	SV44	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV45 - BACK	SV45	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-
SV45 - FRONT	SV45	27/10/2022	<0.0833335	<1.66667	<0.0833335	-	-	-	-	-	-

SOIL BOREHOLE BH01

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Silty SAND, grey, heterogeneous, damp, well graded, coarse sand medium dense, with inclusions of concrete, roadbase and gravels	DP	BH01_0.20-0.30	10.2	No odour, staining or asbestos.
		0.4							
		0.6		Fill	Fill - Silty SAND, brown, heterogeneous, damp, well graded, coarse sand medium dense, with inclusions of concrete, roadbase and gravels	DP	BH01_0.50-0.60	9.3	No odour, staining or asbestos.
		0.8							
		1		Fill	Fill - SAND, brown, heterogeneous, damp, well graded, fine sand medium dense	DP	BH01_1_1.1	7.1	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6		Fill	Fill - SAND, dark brown/grey, heterogeneous, damp, well graded, fine sand medium dense	DP	BH01_1.50-1.60	2.5	No odour, staining or asbestos.
		1.8							
		2		SW	Natural - SAND, light yellow, heterogeneous, damp, well graded, fine sand medium dense	DP	BH01_2.00-2.10	3.4	No odour, staining or asbestos.
		2.2							
		2.4							
		2.6		SW	Natural - SAND, brown, heterogeneous, damp, well graded, fine sand medium dense	DP	BH01_2.50-2.60	1.5	No odour, staining or asbestos.
		2.8							
		3		SW	Natural - SAND, light yellow, homogeneous, damp, well graded, fine sand medium dense	DP	BH01_3.00-3.10	2	No odour, staining or asbestos.
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Nov 2022

SOIL BOREHOLE BH02

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Sandy GRAVEL, black, heterogeneous, dry, dense, with inclusions of grey sand	DR	BH02_0.20-0.30		No odour, staining or asbestos.
		0.4		SW	Natural - SAND, brown, homogeneous, dry, medium sand medium dense	DR			QA/QC20221029_07 (Jar) taken at 0.2-0.3mbgs
		0.6					BH02_0.50-0.60		No odour, staining or asbestos.
		0.8							
		1					BH02_1.00-1.10		
		1.2							
		1.4							
		1.6					BH02_1.50-1.60		
		1.8							
		2					BH02_2.00-2.10		
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.4mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Nov 2022

SOIL BOREHOLE BH03

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, yellow, heterogeneous, dry, poorly graded, fine sand loose	DR	BH03_0.20-0.30	4.3	No odour, staining or asbestos. QA/QC20221030_01 (Bag) taken at 0.2-0.3mbgs.
		0.4		Fill	Fill - SAND, light brown, heterogeneous, dry, poorly graded, fine sand loose	DR	BH03_0.40-0.50	3.8	No odour, staining or asbestos.
		0.6							
		0.8		Fill	Fill - SAND, brown, heterogeneous, dry, poorly graded, coarse sand medium dense	DR	BH03_0.70-0.80	2.6	No odour, staining or asbestos.
		1					BH03_0.90-1.00	1.3	
		1.2		Fill	Fill - SAND, light brown, heterogeneous, dry, poorly graded, coarse sand medium dense	DR			No odour, staining or asbestos.
		1.4		SW	Natural - SAND, yellow, heterogeneous, dry, poorly graded, fine sand loose	DR	BH03_1.40-1.50	1.2	No odour, staining or asbestos.
		1.6							
		1.8			Termination Depth at: 1.80 m.				End of hole at 1.8mbgs, Program Depth.
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH04

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, light brown, heterogeneous, dry, poorly graded, fine sand loose	DR	BH04_0.20-0.30	4.1	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, yellow, heterogeneous, dry, poorly graded, fine sand loose	DR	BH04_0.40-0.50	3	No odour, staining or asbestos.
		0.6		SW	Natural - SAND, yellow, heterogeneous, dry, poorly graded, fine sand loose	DR			No odour, staining or asbestos.
		0.8					BH04_0.70-0.80	2.3	
		1					BH04_0.90-1.00	1.9	
		1.2			Termination Depth at: 1.20 m.				End of hole at 1.2mbgs, Program Depth.
		1.4							
		1.6							
		1.8							
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH05

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Silty SAND, dark brown, heterogeneous, damp, poorly graded, fine sand loose, with inclusions of DGB gravels	DP	BH05-0.15-0.25	12.3	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, yellow, homogeneous, damp, poorly graded, fine sand medium dense	DP	BH05-0.3-0.4	5.3	No odour, staining or asbestos.
		0.6					BH05_0.50-0.60	5	
		1					BH05_1.00-1.10	2.2	
		1.4							
		1.6					BH05_1.50-1.60	1.7	
		2					BH05_2.00-2.10	1.5	
		2.4							
		2.6		SW	Natural - SAND, yellow with white mottle, homogeneous, damp, poorly graded, fine sand medium dense	DP			No odour, staining or asbestos.
		2.8							
		3					BH05_3.00-3.10	0.2	
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH06

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 19-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT		0.2		Fill	Fill - SAND, brown, heterogeneous, damp, poorly graded, coarse sand medium dense, with inclusions of iron stone and sandstone	DP	BH06_0_0.1	22.3	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, yellow, heterogeneous, damp, poorly graded, coarse sand medium dense, with inclusions of iron stone and sandstone	DP	BH06_0.20-0.30	50.9	QA/QC2022109_01 (Bag) taken at 0-0.1mbgs. QA/QC20221019_02 (Jar) taken at 0.2-0.3mbgs.
		0.6					BH06_0.30-0.40	45.3	
		0.8					BH06_0.50-0.60	20.2	No odour, staining or asbestos.
		1		Fill	Fill - SAND, light yellow, heterogeneous, damp, poorly graded, coarse sand medium dense, with inclusions of iron stone and sandstone	DP	BH06_1.00-1.10	3.6	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6					BH06_1.50-1.60	2.5	
		1.8							
		2					BH06_2.00-2.10	2	
		2.2							
		2.4							
		2.6							
		2.8							
		3					BH06_3.00-3.10	0.8	
		3.2							
		3.4							
		3.6		SW	Natural - SAND, dark brown/orange, heterogeneous, moist, poorly graded, medium sand medium dense	M	BH06_3.50-3.60	1.2	No odour, staining or asbestos.
		3.8							
		4							
		4.2			Termination Depth at: 4.20 m.				End of hole at 4.2mbgs, Program Depth.
		4.4							

SOIL BOREHOLE BH07

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 19-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, light brown, heterogeneous, damp, well graded, medium sand medium dense, with inclusions of slag and concrete	DP			No odour, staining or asbestos.
		0.4					BH07_0.25-0.35	5.3	
		0.6		Fill	Fill - SAND, dark brown/black, heterogeneous, damp, well graded, medium sand medium dense, with inclusions of concrete and sandstone	DP	BH07_0.50-0.60	1.8	No odour, staining or asbestos.
		0.8							
		1					BH07_1.00-1.10	0.5	
		1.2							
		1.4							
		1.6							
		1.8							
		2							
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Refusal.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH08

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, yellow, heterogeneous, dry, well graded, fine sand loose, with trace inclusions of fine stones	DR	BH08_0.20-0.30	3.9	No odour, staining or asbestos.
		0.4					BH08_0.40-0.50	3	
		0.6							
		0.8							
		1					BH08_0.90-1.00	2.4	
		1.2							
		1.4					BH08_1.40-1.50	1.9	
		1.6							
		1.8		SW	Natural - SAND, yellow, heterogeneous, dry, well graded, fine sand loose	DR	BH08_1.90-2.00	1.5	No odour, staining or asbestos.
		2			Termination Depth at: 2.00 m.				End of hole at 2mbgs, Program Depth.
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH10

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, brown, heterogeneous, damp, poorly graded, medium sand medium dense, with inclusions of concrete	DP	BH10-0.15-0.25	3.8	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, brown, heterogeneous, damp, poorly graded, medium sand medium dense, with inclusions of concrete and brick	DP	BH10_0.30-0.40	3	No odour, staining or asbestos.
		0.6					BH10_0.50-0.60	2.2	
		0.8							
		1		SW	Natural - SAND, yellow/white, homogeneous, damp, poorly graded, fine sand medium dense, with inclusions of coffee rock	DP	BH10-1.0-1.1	2.2	No odour, staining or asbestos.
		1.2		SW	Natural - SAND, yellow/white, homogeneous, damp, poorly graded, fine sand medium dense	DP			No odour, staining or asbestos.
		1.4							
		1.6					BH10_1.50-1.60	1.5	
		1.8							
		2					BH10_2.00-2.10	1	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH11

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Hand Auger
DRILLING METHOD Hand auger
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.2		Fill	Fill - SAND, brown, heterogeneous, dry, well graded, coarse sand, sub-angular, loose, inclusions of stones, rocks and gravels	DR			No odour, staining or asbestos.
							BH11_0.20-0.30	3.9	
		0.4		Fill	Fill - SAND, dark brown, heterogeneous, dry, well graded, coarse sand, sub-angular, loose, inclusions of stones, rocks and gravels	DR	BH11_0.30-0.40	2.8	No odour, staining or asbestos.
							BH11_0.40-0.50	4	
		0.6							End of hole at 0.6mbgs, Refusal on plastic tarp and rocks/gravels.
		0.8			Termination Depth at: 0.60 m.				
		1							
		1.2							
		1.4							
		1.6							
		1.8							
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH12

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC PT		0.2 0.4 0.6 0.8		Fill	Fill - SAND, light brown/yellow, heterogeneous, damp, poorly graded, fine sand, sub-angular, loose, trace inclusions of fine igneous gravels	DP	BH12_0.20-0.30 BH12_0.40-0.50 BH12_0.70-0.80	7.8 5 4.6	No odour, staining or asbestos.
		1 1.2 1.4 1.6 1.8		Fill	Fill - SAND, brown, heterogeneous, damp, poorly graded, fine sand, sub-angular, loose, no inclusions	DP	BH12_0.9-1.0 BH12_1.4-1.5	6.8 8.2	No odour, staining or asbestos.
		2		SW	Natural - SAND, yellow, homogeneous, dry, poorly graded, fine sand, angular, loose	DR	BH12_1.90-2.00	3.9	No odour, staining or asbestos.
		2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4 4.2 4.4			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.

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SOIL BOREHOLE BH13

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Sandy GRAVEL, black, heterogeneous, dry, medium dense	DR	BH13_0.20-0.30	1.2	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, brown, heterogeneous, dry, medium sand medium dense	DR			No odour, staining or asbestos.
		0.6					BH13_0.50-0.60	0.8	
		0.8			Fill - SAND, grey, heterogeneous, dry, medium				
		1		Fill	sand medium dense	DR			
		1.2		Fill	Fill - SAND, brown, heterogeneous, dry, medium sand medium dense	DR	BH13_1.00-1.10	1.1	
		1.4		SW	Natural - SAND, light brown/yellow/beige, homogeneous, dry, medium dense	DR			No odour, staining or asbestos.
		1.6					BH13_1.50-1.60	0.7	
		1.8							
		2					BH13_2.00-2.10	0.4	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH14

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, dark grey, heterogeneous, damp, no inclusions	DP	BH14_0.20-0.30	88	Light staining. No odour or asbestos
		0.4		Fill	Fill - SAND, yellow/grey, heterogeneous, damp, no inclusions	DP	BH14_0.30-0.40	5.9	
		0.6					BH14_0.50-0.60	5.4	
		0.8							
		1		SW	Natural - SAND, yellow, homogeneous, damp,	DP	BH14_1_1.1	32	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6		SW	Natural - SAND, dark brown/orange, homogeneous, damp, coffee rock	DP	BH14_1.50-1.60	4.4	
		1.8							
		2		SW	Natural - SAND, yellow, homogeneous, damp,	DP	BH14_2.00-2.10	20	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH15

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 20-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**DRILLING METHOD** Concrete Core/ Push Tube	**COORD SOURCE**
	DIAMETER	**LOGGED BY** GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0.2		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, brown, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, inclusions of slag and crushed sandstone	DP	BH15-0.2-0.3	12.3	No odour, staining or asbestos.
		0.4					BH15_0.30-0.40	11	
		0.6					BH15_0.50-0.60	4.6	
		1					BH15_1.00-1.10	3.2	
		1.4							
		1.6		SW	Natural - SAND, yellow, homogeneous, damp, poorly graded, fine sand, sub-rounded, medium dense	DP	BH15_1.50-1.60	4.7	No odour, staining or asbestos.
		2					BH15_2.00-2.10	3.3	
		2.2							
		2.4							
		2.6		SW	Natural - SAND, orange/brown, homogeneous, damp, poorly graded, fine sand, sub-rounded, medium dense, coffee rock	DP	BH15_2.50-2.60	1.2	
		2.8							
		3		SW	Natural - SAND, yellow, homogeneous, damp, poorly graded, fine sand, sub-rounded, medium dense	DP	BH15_3.00-3.10	1.1	
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH16

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, light yellow, heterogeneous, damp, poorly graded, medium sand, sub-rounded, dense, inclusion of crushed sandstone	DP	BH16_0.15-0.25	11	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, grey, heterogeneous, damp, poorly graded, medium sand, sub-rounded, dense, inclusion of crushed sandstone	DP	BH16_0.30-0.40	8.4	
		0.6		Fill	Fill - SAND, dark brown/orange, heterogeneous, dry, poorly graded, fine sand, sub-rounded, dense, coffee rock	DR	BH16_0.50-0.60	6.8	No odour, staining or asbestos.
		0.8							
		1		SW	Natural - SAND, yellow, homogeneous, damp, poorly graded, fine sand, sub-rounded, dense	DP	BH16_1.00-1.10	5.2	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6					BH16_1.50-1.60	2	
		1.8							
		2					BH16_2.00-2.10	3.1	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH17

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Silty SAND, dark grey, heterogeneous, damp, well graded, medium sand, sub-rounded, medium dense, inclusions of rootlets	DP	BH17_0.15-0.25	3.6	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, grey/yellow, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense	DP	BH17_0.30-0.40	4.1	QA/QC20221020_01 (Jar) taken at 0.15-0.25mbgs.
		0.6		Fill	Fill - SAND, dark orange/brown, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, coffee rock	DP	BH17_0.50-0.60	6	No odour, staining or asbestos.
		0.8							
		1		SW	Natural - SAND, yellow, homogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense	DP	BH17_1.00-1.10	1.5	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6					BH17_1.50-1.60	1	
		1.8							
		2					BH17_2.00-2.10	1.1	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.4mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH18

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC PT		0.2		Fill	Fill - SAND, grey, heterogeneous, dry, well graded, coarse sand, sub-angular, medium dense, trace inclusions of fine gravels	DR	BH18_0.20-0.30	10.7	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, brown, heterogeneous, dry, well graded, coarse sand, sub-angular, medium dense, trace inclusions of fine gravels	DR	BH18_0.40-0.50	6.9	
		0.8		Fill	Fill - SAND, yellow, heterogeneous, dry, well graded, coarse sand, sub-angular, medium dense, trace inclusions of fine gravels	DR	BH18_0.9-1.0	6	
		1							
		1.2							
		1.4					BH18_1.40-1.50	3	
		1.6							
		1.8		SW	Natural - SAND, yellow, homogeneous, dry, poorly graded, fine sand, sub-angular, loose	DR	BH18_1.90-2.00	1.9	No odour, staining or asbestos.
		2							
		2.2			Termination Depth at: 2.10 m.				End of hole at 2.1mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH19

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, dark beige, heterogeneous, damp, medium dense, inclusions of sandstone	DP	BH19_0.20-0.30	1	No odour, staining or asbestos.
		0.4							
		0.6					BH19_0.50-0.60	0.9	
		0.8							
		1		Fill	Fill - Gravelly SAND, dark brown, heterogeneous, damp, medium dense, inclusions of sandstone and gravels	DP	BH19_1.00-1.10	0.8	No odour, staining or asbestos.
		1.2							
		1.4		SW	Natural - SAND, beige, homogeneous, damp, medium dense	DP			No odour, staining or asbestos.
		1.6					BH19_1.50-1.60	1.1	
		1.8							
		2					BH19_2.00-2.10	1.1	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH20

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Fill	Fill - SAND, yellow/brown, heterogeneous, dry, well graded, coarse sand, sub-angular, loose, trace inclusions of fine gravels	DR			No odour, staining or asbestos.
PT		0.2					BH20_0.20-0.30	6.9	
		0.4		Fill	Fill - SAND, grey/brown, heterogeneous, dry, well graded, coarse sand, sub-angular, loose, trace inclusions of fine gravels	DR	BH20_0.40-0.50	4.6	
		0.6							
		0.8					BH20_0.70-0.80	3.9	
		1					BH20_0.90-1.00	3.2	
		1.2		Fill	Fill - SAND, brown, heterogeneous, dry, well graded, coarse sand, sub-angular, loose, trace inclusions of fine gravels	DR			
		1.4					BH20_1.4-1.5	2.8	
		1.6							
		1.8							
		2					BH20_1.90-2.00	3	
		2.2		SW	Natural - SAND, yellow, heterogeneous, dry, well graded, coarse sand, sub-angular, loose	DR			No odour, staining or asbestos.
		2.4					BH20_2.40-2.50	1.9	
		2.6			Termination Depth at: 2.60 m.				End of hole at 2.6mbgs, Program Depth.
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH21

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, brown, heterogeneous, dry, medium sand loose	DR	BH21_0.20-0.30		No odour, staining or asbestos. QA/QC20221029_03 (Jar) taken at 0.2-0.3mbgs.
		0.4		Fill	Fill - SAND, grey, heterogeneous, dry, medium sand loose	DR	BH21_0.50-0.60		
		0.6		Fill	Fill - SAND, light brown, heterogeneous, dry, medium sand loose	DR			
		0.8							
		1					BH21_1.00-1.10		
		1.2		SW	Natural - SAND, yellow, homogeneous, dry, fine sand very loose	DR			
		1.4					BH21_1.40-1.50		No odour, staining or asbestos.
		1.6			Termination Depth at: 1.50 m.				End of hole at 1.5mbgs, Program Depth.
		1.8							
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH23

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 19-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Silty SAND, black/yellow, heterogeneous, damp, well graded, coarse sand, sub-rounded, loose, inclusions of crushed sandstone and slag	DP	BH23-0.15-0.25	1.2	No odour, staining or asbestos.
		0.4		SW	Natural - SAND, yellow, homogeneous, damp, poorly graded, fine sand medium dense	DP	BH23-0.3-0.4	2.4	No odour, staining or asbestos.
		0.6					BH23_0.50-0.60	0.8	
		0.8							
		1					BH23_1.00-1.10	0.5	
		1.2							
		1.4							
		1.6					BH23_1.50-1.60	0.3	
		1.8							
		2					BH23_2.00-2.10	0.3	
		2.2							
		2.4							
		2.6							
		2.8							
		3					BH23_3.00-3.10	0.5	
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH24

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 19-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, brown, heterogeneous, damp, well graded, medium sand, sub-angular, loose, inclusions of slag, crushed sandstone.	DP	BH24_0.15-0.25	6.2	No odour, staining or asbestos.
		0.4		SW	Natural - SAND, brown, homogeneous, moist, well graded, fine sand, sub-rounded, medium dense, inclusions of crushed sandstone deposits.	M	BH24_0.30-0.40	5.7	No odour, staining or asbestos.
		0.6					BH24_0.50-0.60	1.5	
		1					BH24_1.00-1.10	1.2	
		1.2							
		1.4							
		1.6					BH24_1.50-1.60	1	
		1.8							
		2					BH24_2.00-2.10	1.2	
		2.2							
		2.4							
		2.6							
		2.8							
		3					BH24_3.00-3.10	0.5	
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH25

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Fill	Fill - Silty Gravelly SAND, brown/grey, heterogeneous inclusions of slag, DGB gravels and concrete cobbles				No odour, staining or asbestos. QA/QC20221021_01 (Jar) takend at 0.15-0.25mbgs.
PT		0.2					QA20221021-01	2.3	
		0.4					BH25_0.30-0.40	1.2	
		0.6		Fill	Fill - Silty SAND heterogeneous no inclusions		BH25_0.50-0.60	3.5	No odour, staining or asbestos.
		0.8							
		1		Fill	Fill - Silty SAND inclusions of slag		BH25-1.0-1.1	7.8	No odour, staining or asbestos.
		1.2			Unconsolidated material				
		1.4							
		1.6							
		1.8							
		2		Fill	Fill - Silty SAND inclusions of slag		BH25_2.00-2.10	3.8	
		2.2			Unconsolidated material				
		2.4							
		2.6							
		2.8							
		3		Fill	Fill - Sandy CLAY, orange, heterogeneous, moist, inclusions of metal shards and roadbase gravels	M	BH25_3.00-3.10	2.2	Orange Staining. No odour or asbestos.
		3.2			Unconsolidated material				
		3.4							
		3.6							
		3.8		Fill	Fill - Silty Gravelly CLAY inclusions of metal shards and roadbase gravels	DP	BH25_3.80-3.90	4.5	No odour, staining or asbestos.
		4		SW	Natural - SAND, dark brown, heterogeneous no inclusions. Coffee Rock		BH25_4.00-4.10	4	No odour, staining or asbestos.
		4.2							
		4.4							

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Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
		4.6		SW	Natural - SAND, yellow, heterogeneous, moist,	M			No odour, staining or asbestos.
		4.8							
		5		SW	Natural - SAND, yellow, heterogeneous, saturated,	S	BH25_5.00-5.10	7.9	No odour, staining or asbestos.
		5.2			Termination Depth at: 5.20 m.				End of hole at 5.2mbgs, Program Depth.
		5.4							
		5.6							
		5.8							
		6							
		6.2							
		6.4							
		6.6							
		6.8							
		7							
		7.2							
		7.4							
		7.6							
		7.8							
		8							
		8.2							
		8.4							
		8.6							
		8.8							
		9							
		9.2							
		9.4							
		9.6							
		9.8							

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SOIL BOREHOLE BH26

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Silty Gravelly SAND heterogeneous inclusions of DGB and concrete cobbles	DP	BH26-0.15-0.25	30.1	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, dark yellow, heterogeneous, moist, no inclusions	M	BH26-0.3-0.4	15.3	No odour, staining or asbestos.
		0.6					BH26_0.50-0.60	2.8	
		0.8							
		1					BH26_1.00-1.10	2	
		1.2							
		1.4							
		1.6		SW	Natural - SAND, dark brown, homogeneous no inclusions	DP	BH26-1.5-1.6	2.3	No odour, staining or asbestos.
		1.8							
		2		SW	Natural - SAND, yellow/grey, homogeneous no inclusions	DP	BH26_2.00-2.10	1.5	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH27

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 18-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Gravelly SAND, grey/brown, heterogeneous, damp, loose, inclusions of wood, ash and DGB gravels	DP	BH27_0.20-0.30	1.3	No odour, staining or asbestos.
		0.4					BH27_0.30-0.40	2.5	
		0.6		SW	Natural - SAND, white/yellow, homogeneous, dry, fine sand medium dense, no inclusions	DR	BH27_0.50-0.60	3.4	No odour, staining or asbestos.
		0.8							
		1					BH27_1.00-1.10	3.8	
		1.2							
		1.4							
		1.6					BH27_1.50-1.60	3.1	
		1.8							
		2					BH27_2.00-2.10	0.9	
		2.2							
		2.4							
		2.6							
		2.8							
		3					BH27_3.00-3.10	0.5	
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH28

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC PT		0.2		Fill	Fill - SAND, grey/brown, heterogeneous, dry, poorly graded, fine sand, sub-angular, loose, trace inclusions of fine gravels	DR	BH28_0.20-0.30	5.9	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, brown, heterogeneous, dry, poorly graded, fine sand, sub-angular, loose, trace inclusions of fine gravels	DR	BH28_0.40-0.50	3.9	
		0.6							
		0.8							
		1					BH28_0.90-1.00	3	
		1.2		SW	Natural - SAND, yellow, heterogeneous, dry, poorly graded, fine sand, angular, loose	DR			No odour, staining or asbestos.
		1.4					BH28_1.40-1.50	2.5	
		1.6			Termination Depth at: 1.60 m.				End of hole at 1.6mbgs, Program Depth.
		1.8							
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH29

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Hand Auger
DRILLING METHOD Concrete Core/ Hand Auger
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Fill	Fill - SAND, yellow/grey, heterogeneous, damp, poorly graded, fine sand, sub-angular, loose	DP			Slight odour. No staining or asbestos.
HA		0.2					BH29_0.20-0.30	9.6	
		0.4					BH29_0.40-0.50	6.1	
		0.6		Fill	Fill - SAND, yellow/grey, heterogeneous, dry, poorly graded, fine sand, sub-angular, loose	DR			
		0.8					BH29_0.70-0.80	3.2	
		1					BH29_0.90-1.00	2.9	
		1.2			Termination Depth at: 1.00 m.				End of hole at 1.0mbgs, Refusal.
		1.4							
		1.6							
		1.8							
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH30

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Sandy GRAVEL, black, heterogeneous, damp, medium dense, inclusions of concrete and slag	DP	BH30_0.20-0.30	22.7	Hydrocarbon odour.
		0.4		Fill	Fill - SAND, brown/beige, heterogeneous, dry, medium dense, trace inclusions of gravel	DR			No staining or asbestos.
		0.6					BH30_0.50-0.60	7.3	No odour, staining or asbestos.
		0.8							
		1					BH30_1.00-1.10	7.1	
		1.2		Fill	Fill - SAND, coffee, heterogeneous, dry, medium dense, trace inclusions of gravel. Coffee Rock.	DR			
		1.4							
		1.6					BH30_1.50-1.60	6.8	
		1.8		SW	Natural - SAND, beige/yellow, homogeneous, dry,	DR			No odour, staining or asbestos.
		2					BH30_2.00-2.10	4.2	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH31

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, light yellow, heterogeneous, dry, well graded, fine sand, sub-rounded, very loose	DR	BH31_0.20-0.30	3.8	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, burnt orange, heterogeneous, dry, well graded, fine sand, sub-rounded, very loose, Coffee Rock.	DR	BH31_0.30-0.40	4.9	
		0.6		Fill	Fill - SAND, light orange, heterogeneous, dry, well graded, fine sand, sub-rounded, very loose, Coffee Rock.	DR	BH31_0.50-0.60	2.9	
		0.8							
		1					BH31_1.00-1.10	1.1	
		1.2							
		1.4							
		1.6		SW	Natural - SAND, light yellow, homogeneous, damp, poorly graded, fine sand, sub-rounded, medium dense	DP	BH31_1.50-1.60	1.3	No odour, staining or asbestos.
		1.8							
		2					BH31_2.00-2.10	2	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH32

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0.2		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.4		Fill	Fill - Gravelly SAND, grey, heterogeneous, damp, medium dense	DP	BH32_0.20-0.30	0.9	No odour, staining or asbestos.
		0.6		SW	Natural - SAND, grey, homogeneous, damp, medium dense	DP	BH32_0.50-0.60	0.7	No odour, staining or asbestos.
		0.8							
		1					BH32_1.00-1.10	0.8	
		1.2							
		1.4							
		1.6		SW	Natural - SAND, dark brown (coffee), homogeneous, damp, medium dense, inclusions of gravel. Coffee Rock.	DP	BH32_1.50-1.60	0.7	No odour, staining or asbestos.
		1.8							
		2		SW	Natural - SAND, beige, homogeneous, damp, medium dense	DP	BH32_2.00-2.10	0.7	No odour, staining or asbestos.
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH33

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Silty GRAVEL, black, heterogeneous, damp, loose, inclusions of slag and gravel	DP	BH33_0.20-0.30	1.2	No odour, staining or asbestos.
		0.4		SW	Natural - SAND, beige, homogeneous, damp, medium dense, trace inclusions of weathered gravel	DP			QA/QC20221029_06 (Jar) taken at 0.2-0.3mbgs.
		0.6					BH33_0.50-0.60	0.8	No odour, staining or asbestos.
		0.8							
		1					BH33_1.00-1.10	0.9	
		1.2							
		1.4							
		1.6					BH33_1.50-1.60	0.5	
		1.8		SW	Natural - SAND, light brown, homogeneous, damp, medium dense, trace inclusions of weathered gravel	DP			No odour, staining or asbestos.
		2					BH33_2.00-2.10	0.7	
		2.2							
		2.4		SW	Natural - SAND, yellow/beige, homogeneous, damp, medium dense	DP			No odour, staining or asbestos.
		2.6					BH33_2.50-2.60	1.1	
		2.8							
		3					BH33_3.00-3.10	0.8	
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH34

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, brown, heterogeneous, damp, medium sand medium dense	DP	BH34_0.20-0.30	1.4	No odour, staining or asbestos. QA/QC20221029_01 (Jar) taken at 0.2-0.3mbgs.
		0.4							
		0.6					BH34_0.50-0.60	0.2	
		0.8							
		1		Fill	Fill - SAND, dark brown (coffee), heterogeneous, dry, medium dense, some inclusions of gravel	DR	BH34_1.00-1.10	0.1	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6		SW	Natural - SAND, light brown/beige, homogeneous, dry, medium dense	DR	BH34_1.50-1.60	0.2	No odour, staining or asbestos.
		1.8							
		2					BH34_2.00-2.10	0.1	
		2.2			Termination Depth at: 2.20 m.				End of hole at 2.2mbgs, Program Depth.
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH35

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Fill	Fill - Gravelly SAND, black, heterogeneous, damp, well graded, coarse sand, sub-angular, loose, trace inclusions of concrete	DP			Organic/Hydrocarbon odour. No staining or asbestos.
PT		0.2					BH35_0.20-0.30	1645	
		0.4					BH35_0.30-0.40	1324	
				Fill	Fill - SAND, yellow, heterogeneous, damp, poorly graded, fine sand: sub-angular, loose	DP	BH35_0.40-0.50	27.1	No odour, staining or asbestos.
		0.6							
		0.8					BH35_0.70-0.80	23.2	
		1					BH35_0.90-1.00	26.4	
		1.2		SW	Natural - SAND, yellow, heterogeneous, dry, poorly graded, fine sand: sub-angular, loose	DR			No odour, staining or asbestos.
		1.4					BH35_1.40-1.50	16.3	
		1.6			Termination Depth at: 1.60 m.				End of hole at 1.6mbgs, Program Depth.
		1.8							
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH36

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 18-Oct-22
DRILL RIG Hand Auger
DRILLING METHOD Hand Auger
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.2 0.4		Fill	Fill - Silty SAND, dark brown, heterogeneous, damp, coarse sand medium dense, inclusions of rootlets, DGB gravels, concrete boulders, terracotta, plasic and sandstone boulders ~~Termination Depth at: 0.45 m.~~	DP	BH36_0.00-0.10 BH36_0.30-0.40		No odour, staining or asbestos.
		0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4 4.2 4.4							

SOIL BOREHOLE BH37

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 18-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT		0.2		Fill	Fill - Silty SAND, brown, heterogeneous, damp, well graded, coarse sand, sub-angular, loose, inclusions of concrete, slag, crushed sandstone and lithic gravels.	DP	BH37_0.0-1.0	7.5	No odour, staining or asbestos.
		0.4					BH37_0.30-0.40	4.3	
		0.6					BH37_0.50-0.60	2.2	
		0.8							
		1					BH37_1.0-1.1	3.4	
		1.2							
		1.4							
		1.6					BH37_1.50-1.60	5.6	
		1.8							
		2					BH37_2.00-2.10	6.5	
		2.2							
		2.4							
		2.6		Fill	Fill - Silty SAND, brown, heterogeneous, damp, well graded, coarse sand, sub-angular, loose, inclusions of terracotta, rubber and a sticky gum substance.	DP			Strong Hydrocarbon odour. No staining or asbestos.
		2.8							
		3					BH37_3.00-3.10	194.	
		3.2							
		3.4							
		3.6		Fill	Fill - Gravelly SAND, black, heterogeneous, wet, well graded, coarse gravel/sand, angular, dense, inclusions of gum	W	BH37_3.5-3.6	700	Strong Hydrocarbon odour and black staining. No asbestos.
		3.8							
		4		Fill	Fill - SAND, grey, heterogeneous, wet, well graded, coarse sand, angular, dense	W	BH37_4.00-4.10	76	Strong Hydrocarbon odour and black staining. No asbestos.
		4.2							
		4.4							

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Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
		4.6							
		4.8							
		5							
		5.2							
		5.4							
		5.6		Fill	Fill - Gravelly SAND, black, heterogeneous, wet, well graded, coarse gravel/sand, angular, dense, inclusions of gum	W	BH37_5.50-5.60	600	Strong Hydrocarbon odour. No staining or asbestos.
		5.8							
		6		Fill	Fill - Silty SAND, black, heterogeneous, wet, well graded, medium sand, sub-rounded, dense, inclusions of metal fragments	W	BH37_6.00-6.10	78	Strong Hydrocarbon odour and black staining. No asbestos.
		6.2							
		6.4							
		6.6		SW	Fill - SAND, light grey, heterogeneous, wet, well graded, medium sand, sub-rounded, dense	W			Strong Hydrocarbon odour. No staining or asbestos.
		6.8							
		7					BH37_7.00-7.10	9.5	
		7.2			Termination Depth at: 7.20 m.				End of hole at 7.2mbgs, Program Depth.
		7.4							
		7.6							
		7.8							
		8							
		8.2							
		8.4							
		8.6							
		8.8							
		9							
		9.2							
		9.4							
		9.6							
		9.8							

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SOIL BOREHOLE BH38

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 19-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Gravelly SAND, Dark Brown, heterogeneous, damp, well graded, coarse sand, angular, loose, inclusions of bitumen and roadbase gravel.	DP	BH38-0.2-0.3	8.3	No odour, staining or asbestos.
		0.4							
		0.6		Fill	Fill - SAND, Light Brown/Yellow, heterogeneous, damp, well graded, medium sand, sub-rounded, medium dense, inclusions of lithic gravels.	DP	BH38_0.50-0.60	4.2	No odour, staining or asbestos.
		0.8							
		1					BH38_1.00-1.10	2.7	
		1.2							
		1.4							
		1.6					BH38_1.50-1.60	3	
		1.8							
		2		SW	Natural - SAND, Grey/Yellow: homogeneous, moist, poorly graded, medium sand, sub-rounded, medium dense	M	BH38_2_2.1	3.3	No odour, staining or asbestos.
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH39

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE inclusions of roadbase gravels and brick				No odour, staining or asbestos.
PT		0.2		Fill	Fill - silty SAND		BH39-0.2-0.3	0.9	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, dark brown		BH39_0.30-0.40	1.1	No odour, staining or asbestos.
		0.6					BH39_0.50-0.60	1.5	
		0.8							
		1		Fill	Natural - SAND, yellow		BH39-1.0-1.1	3.2	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6					BH39_1.50-1.60	2.2	
		1.8		SW	Fill - SAND, grey/yellow				No odour, staining or asbestos.
		2					BH39_2.00-2.10	1.7	
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH40

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC PT		0.2 0.4 0.6 0.8 1 1.2 1.4 1.6		Fill	Fill - SAND, grey/yellow, heterogeneous, dry, poorly graded sub-angular, loose	DR	BH40_0.20-0.30 BH40_0.40-0.50 BH40_0.9-1.0	11.2 6.9 5	QA/QC07. No odour, staining or asbestos.
				SW	Natural - SAND, yellow, heterogeneous, dry, poorly graded, fine sand, sub-angular, medium dense	DR	BH40_1.40-1.50	4	No odour, staining or asbestos.
		1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4 4.2 4.4			Termination Depth at: 1.60 m.				

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SOIL BOREHOLE BH41

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC / PT		0.2		Fill	Fill - SAND, grey/yellow, heterogeneous, dry, poorly graded, fine sand, sub-angular inclusions of trace gravels (fines)	DR	BH41_0.20-0.30	12.6	Slight odour. No staining or asbestos.
		0.4		Fill	Fill - SAND, yellow, heterogeneous, dry, poorly graded, fine sand, sub-angular inclusions of trace gravels (fines)	DR	BH41_0.40-0.50	12.2	No odour, staining or asbestos.
		0.8		Fill	Fill - SAND, grey, heterogeneous, dry, poorly graded, fine sand, sub-angular	DR	BH41_0.90-1.00	6.1	No odour, staining or asbestos.
		1.2		Fill	Fill - SAND, yellow/brown, heterogeneous, dry, poorly graded, fine sand, sub-angular	DR	BH41_1.40-1.50	5.7	No odour, staining or asbestos.
		1.8		SW	Natural - SAND, yellow, heterogeneous, dry, poorly graded, fine sand, sub-angular, loose	DR	BH41_1.90-2.00	2.1	No odour, staining or asbestos.
		2.2			Termination Depth at: 2.10 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH42

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE inclusions of concrete and sandstone				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, light brown, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, inclusions of concrete and sandstone	DP	BH42_0.15-0.25		No odour, staining or asbestos.
		0.4					BH42-0.30-0.40		No odour, staining or asbestos.
				Fill		DP			
		0.6		Fill	Fill - SAND, grey, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, inclusions of concrete and sandstone	DP	BH42_0.50-0.60		No odour, staining or asbestos.
		0.8			Fill - SAND, white sand, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, inclusions of concrete and sandstone				
		1		SW	Natural - SAND, yellow, homogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense	DP	BH42-1.0-1.1		No odour, staining or asbestos.
		1.2							
		1.4							
		1.6					BH42_1.50-1.60		
		1.8							
		2							No odour, staining or asbestos.
				Bedrock	Natural - Coffee Rock, orange		BH42_2.00-2.10		
		2.2		Bedrock	Natural - Coffee Rock, orange				No odour, staining or asbestos.
					Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH43

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE inclusions of concrete sandstone				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, light brown, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, inclusions of concrete sandstone	DP	QA20221020-02	15.3	QA/QC20221020-02
		0.4		Fill		DP	BH43_0.30-0.40	3.2	No odour, staining
		0.6		Fill	Fill - SAND, grey, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, inclusions of concrete sandstone	DP	BH43-0.5-0.6	1.8	No odour, staining or asbestos.
		0.8			Fill - SAND, light brown, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, inclusions of roadbase gravels				No odour, staining or asbestos.
		1		Fill	Fill - SAND, light brown, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense	DP	BH43_1.00-1.10	1	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6		SW	Natural - SAND, yellow/gray, homogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense	DP	BH43-1.5-1.6	1.1	No odour, staining or asbestos.
		1.8							
		2		SW	Natural - SAND, orange, homogeneous, dry, poorly graded, medium sand, sub-rounded, medium dense	DR	BH43_2.00-2.10	0.5	No odour, staining or asbestos.
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH44

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 20-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**DRILLING METHOD** Concrete Core/ Push Tube	**COORD SOURCE**
	DIAMETER	**LOGGED BY** GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE inclusions of plastic				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, yellow, homogeneous, dry, poorly graded, fine sand, sub-rounded, medium dense, inclusions of plastic	DR	BH44-0.15-0.25	11.8	No odour, staining or asbestos.
		0.4					BH44-0.30-0.40	7.3	
		0.6		Fill	Fill - SAND, brown/black, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense	DP	BH44_0.50-0.60	0.5	No odour, staining or asbestos.
		0.8							
		1					BH44_1.00-1.10	1.2	
		1.2							
		1.4							
		1.6					BH44_1.50-1.60	2.8	
		1.8		SW	Natural - SAND, yellow, homogeneous, damp, poorly graded, fine sand, sub-rounded, medium dense	DP	BH44_1.60-1.70	3.2	No odour, staining or asbestos.
		2					BH44_2.00-2.10	3	
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH45

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE inclusions of glass				No odour, staining or asbestos.
PT		0.2		Fill	Fill - SAND, yellow, heterogeneous, dry, poorly graded, fine sand, sub-rounded, medium dense, inclusions of glass	DR	BH45_0.15-0.25	5.8	No odour, staining or asbestos.
		0.4		Fill	Fill - SAND, brown, heterogeneous, dry, poorly graded, medium sand, sub-rounded, medium dense, inclusions of glass	DR	BH45_0.30-0.40	5	No odour, staining or asbestos.
		0.6		Fill	Fill - SAND, light yellow/ cream, heterogeneous, dry, poorly graded, medium sand, sub-rounded, medium dense, inclusions of glass	DR	BH45_0.50-0.60	4.5	No odour, staining or asbestos.
		1		Fill	Fill - SAND, brown/black, heterogeneous, dry, poorly graded, medium sand, sub-rounded, medium dense, inclusions of glass	DR	BH45-1.0-1.1	3.2	Possible staining. No odour or asbestos
		1.6					QA20221020-03	3.5	
		1.6		SW	Natural - SAND, grey, homogeneous, damp, poorly graded, fine sand, sub-rounded, medium dense	DP	BH45_1.60-1.70	4.7	QA/QC20221020-03. No odour, staining or asbestos.
		2.2					BH45_2.00-2.10	2.2	
		2.2			Termination Depth at: 2.20 m.				

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SOIL BOREHOLE BH46

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - gravelly SAND, brown, heterogeneous, damp, medium dense	DP	BH46_0.20-0.30	2.6	No odour, staining or asbestos.
		0.4							
		0.6					BH46_0.50-0.60	2.1	
		0.8							
		1		SW	Natural - SAND, grey, homogeneous, damp, medium dense	DP	BH46_1.00-1.10	2.2	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6		SW	Natural - SAND, dark brown, homogeneous, damp, medium dense, inclusions of gravels	DP	BH46_1.50-1.60	2.6	No odour, staining or asbestos.
		1.8							
		2		SW	Natural - SAND, yellow, homogeneous, damp, medium dense	DP	BH46_2.00-2.10	2.7	No odour, staining or asbestos.
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH47

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 29-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY ML/MN

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT		0.2		Concrete	Fill - CONCRETE inclusions of gravel, sandstone, concrete, trace slag	DR	BH47_0.05-0.10	0.6	No odour, staining or asbestos.
				Fill	Fill - gravelly SAND, brown/grey, heterogeneous, dry, loose		BH47_0.20-0.30	0.8	QAQC05. No odour, staining or asbestos.
		0.4							
		0.6					BH47_0.50-0.60	0.7	
		0.8							
		1					BH47_1.00-1.10	0.9	
		1.2		Fill	Fill - SAND, dark rbown, heterogeneous, dry, loose, inclusions of gravel, sandstone, concrete, trace slag	DR			No odour, staining or asbestos.
		1.4							
		1.6		SW	Natural - SAND, yellow, homogeneous, damp, loose	DP	BH47_1.50-1.60	1	No odour, staining or asbestos.
		1.8							
		2					BH47_2.00-2.10	1.1	
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH48

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - silty SAND, brown/grey, heterogeneous, damp, well graded, medium sand, sub-angular, medium dense, inclusions of wood, concrete, bitumen	DP	QA20221021-02		QA/QC20221021-02 No odour, staining
		0.4		Fill		DP	BH48_0.30-0.40		No odour, staining or asbestos.
		0.6		Fill	Fill - SAND, orange/brown, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense	DP	BH48-0.5-0.6		No odour, staining or asbestos.
		0.8			Fill - SAND, dark grey, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense				
		1		Fill	Fill - SAND, dark grey, heterogeneous, moist, poorly graded, medium sand, sub-rounded, medium dense, inclusions of lithic gravels	M	BH48_1.00-1.10		No odour, staining or asbestos.
		1.2							
		1.4							
		1.6		SW	Natural - SAND, grey, homogeneous, damp, poorly graded, fine sand, sub-rounded, medium dense	DP	BH48_1.50-1.60		No odour, staining or asbestos.
		1.8							
		2					BH48_2.00-2.10		
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH49

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 20-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Fill	Fill - SAND, yellow, heterogeneous, dry, poorly graded rounded, loose	DR			No odour, staining or asbestos.
PT		0.2					BH49_0.15-0.25	8.2	
		0.4		Fill	Fill - silty SAND, brown/black, heterogeneous well graded sub-rounded, medium dense, inclusions of bitumen		BH49-0.30-0.40	0.3	No odour, staining or asbestos.
		0.6		Fill	Fill - silty SAND, dark brown, heterogeneous well graded sub-rounded, medium dense, inclusions of bitumen		BH49_0.50-0.60	0.6	potential staining. No odour or asbestos
		0.8							
		1		Fill	Fill - SAND, light grey, heterogeneous, damp, poorly graded sub-angular, medium dense	DP	BH49-1.0-1.1	0.2	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6		SW	Natural - SAND, white/yellow, homogeneous, damp, poorly graded rounded, medium dense	DP	BH49_1.50-1.60	0.5	No odour, staining or asbestos.
		1.8							
		2					BH49_2.00-2.10	0.1	
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH51

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				1xACM fragment found 'BH51 FRAG' . No odour or staining.
PT		0.2		Fill	Fill - Silty Gravelly SAND inclusions of slag, DGB gravels and ACM		BH51-0.2-0.3	22.8	
		0.4		Fill	Fill - SAND, yellow moist, loose	M	BH51_0.30-0.40	1.9	No odour, staining or asbestos.
		0.6					BH51_0.50-0.60	1.5	No odour, staining or asbestos.
		0.8							
		1		SW	Natural - SAND, yellow moist,	M	BH51_1.00-1.10	2.3	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6					BH51_1.50-1.60	1.2	
		1.8							
		2					BH51_2.00-2.10	1	
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH52

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - gravelly SAND, brown, heterogeneous well graded, coarse sand, sub-angular, medium dense, inclusions of concrete, roadbase gravels, bitumen		BH52-0.2-0.3	15.1	No odour, staining or asbestos.
		0.4		SW			BH52_0.30-0.40	10.3	No odour, staining or asbestos.
		0.6			Natural - SAND, yellow, heterogeneous well graded, medium sand, sub-rounded, medium dense		BH52_0.50-0.60	9.1	
		0.8							
		1					BH52_1.00-1.10	3.1	
		1.2		SW	Natural - SAND, yellow, heterogeneous well graded, medium sand, sub-rounded, medium dense				No odour, staining or asbestos.
		1.4							
		1.6					BH52-1.5-1.6	0.8	
		1.8							
		2		SW	Natural - SAND, yellow, heterogeneous well graded, medium sand, sub-rounded, medium dense		BH52_2.00-2.10	1.3	No odour, staining or asbestos.
		2.2			Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH53

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - silty SAND, grey, heterogeneous, dry, well graded, coarse sand, sub-angular, medium dense, inclusions of roadbase gravels, bitumen	DR	BH53-0.15-0.25	3.8	No odour, staining or asbestos.
		0.4		Fill	Fill - silty SAND, black, heterogeneous, damp, well graded, coarse sand, sub-angular, medium dense	DP	BH53-0.3-0.4	20.2	possible staining. Slight Hydrocarbon odour. No asbestos.
		0.6		Fill	Fill - SAND, white, heterogeneous, damp, poorly graded, fine sand, sub-rounded, medium dense	DP	BH53_0.50-0.60	10.3	No odour, staining or asbestos.
		1		SW	Natural - SAND, orange/brown		BH53_1.00-1.10	5.8	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6					BH53_1.50-1.60	0.8	
		1.8		SW	Natural - SAND, White				No odour, staining or asbestos.
		2							
		2.2					BH53_2.00-2.10	1.2	
					Termination Depth at: 2.20 m.				
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH54

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 21-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Concrete Core/ Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT		0.2		Fill	Fill - Silty SAND, grey, heterogeneous, damp, well graded, medium sand, sub-rounded, medium dense, inclusions of concrete, roadbase and lithic gravels	DP	BH54_0.20-0.30	5.8	No odour, staining or asbestos.
		0.4					BH54-0.3-0.4	2.5	
		0.6					BH54_0.50-0.60	2.1	
		0.8							
		1		Fill	Fill - SAND, yellow, heterogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense	DP	BH54_1.00-1.10	0.2	No odour, staining or asbestos.
		1.2							
		1.4							
		1.6					BH54-1.5-1.6	1.1	
		1.8							
		2		SW	Natural - SAND, orange coffee rock.		BH54_2.00-2.10	0.9	No odour, staining or asbestos.
		2.2							
		2.4							
		2.6							
		2.8							
		3		SW	Natural - SAND, yellow, homogeneous, damp, poorly graded, medium sand, sub-rounded, medium dense, no inclusions	DP	BH54_3.00-3.10	0.3	No odour, staining or asbestos.
		3.2			Termination Depth at: 3.20 m.				End of hole at 3.2mbgs, Program Depth.
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH55

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 18-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT		0.2		Fill	Fill - Silty SAND, brown, heterogeneous, damp, well graded, coarse sand, angular, medium dense, inclusions of terracotta, brick, slag and lithic gravels.	DP	BH55_0.0-1.0	1.1	No odour, staining or asbestos.
		0.4					BH55_0.30-0.40	2.3	
		0.6					BH55_0.50-0.60	3	
		0.8							
		1					BH55_1.0-1.1	3.2	
		1.2							
		1.4							
		1.6					BH55_1.50-1.60	1.2	
		1.8							
		2							
		2.2					BH55_2.00-2.10	1.3	
		2.4							
		2.6							
		2.8							
		3		Fill	Fill - Silty SAND, dark brown, heterogeneous, damp, well graded, coarse sand, angular, medium dense	DP	BH55_3.00-3.10	2.2	No odour, staining or asbestos.
		3.2							
		3.4							
		3.6							
		3.8							
		4					BH55_4.00-4.10	4.5	
		4.2							
		4.4							

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SOIL BOREHOLE BH55

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
		4.6					BH55_4.50-4.60	4.5	
		4.8							
		5		Fill	Fill - Silty SAND, black, heterogeneous, saturated, well graded, coarse sand, angular, medium dense	S	BH55_5.00-5.10	5	Hydrocarbon odour and black staining. No asbestos.
		5.2							
		5.4							
		5.6					BH55_5.50-5.60	1.5	
		5.8							
		6		Fill	Fill - Silty SAND, yellow, heterogeneous, saturated, well graded, coarse sand, angular, medium dense	S			No odour, staining or asbestos.
		6.2			Termination Depth at: 6.20 m.				End of hole at 6.2mbgs, Program Depth.
		6.4							
		6.6							
		6.8							
		7							
		7.2							
		7.4							
		7.6							
		7.8							
		8							
		8.2							
		8.4							
		8.6							
		8.8							
		9							
		9.2							
		9.4							
		9.6							
		9.8							

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SOIL BOREHOLE BH56

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 18-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT		0.2		Fill	Fill - Silty SAND, brown, heterogeneous, damp, well graded sub-rounded, loose, inclusions of roots and rootlets, concrete, lithic gravels, roadbase gravels, glass fragments and old tree roots.	DP	BH56_0.0-1.0	2.2	No odour, staining or asbestos.
		0.4					BH56_0.30-0.40	1.7	
		0.6					BH56_0.50-0.60	1.4	
		0.8							
		1					BH56_1.00-1.10	3.3	
		1.2							
		1.4							
		1.6					BH56_1.50-1.60	2	
		1.8							
		2					BH56_2.00-2.10	3.5	
		2.2							
		2.4							
		2.6							
		2.8							
		3					BH56_3.00-3.10	2.2	
		3.2							
		3.4							
		3.6							
		3.8							
		4		Fill	Fill - Silty SAND, dark Brown/black, heterogeneous, moist, well graded sub-rounded, loose, inclusions of concrete and crushed brick	M	BH56_4.00-4.10	3	No odour, staining or asbestos.
		4.2							
		4.4							

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Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
		4.6							
		4.8							
		5		SW	Natural - SAND, yellow, homogeneous, saturated, well graded sub-rounded, loose, no inclusions	S	BH56_5.00-5.10	12	Sweet odour. No staining or asbestos.
		5.2							
		5.4							
		5.6							
		5.8							
		6					BH56_6.00-6.10	5.5	
		6.2			Termination Depth at: 6.20 m.				End of hole at 6.2mbgs, Program Depth.
		6.4							
		6.6							
		6.8							
		7							
		7.2							
		7.4							
		7.6							
		7.8							
		8							
		8.2							
		8.4							
		8.6							
		8.8							
		9							
		9.2							
		9.4							
		9.6							
		9.8							

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SOIL BOREHOLE BH57

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 19-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT		0.2		Fill	Fill - Silty/ Gravelly SAND, Dark Brown, heterogeneous, damp, well graded, coarse sand, sub-rounded, medium dense, with DGB gravels	DP	BH57_0.00-0.10	2	No odour, staining or asbestos.
		0.4		Fill	Fill - Silty SAND, Dark Brown, heterogeneous, damp, well graded, medium sand, sub-angular, medium dense, with sandstone gravels and concrete	DP	BH57_0.30-0.40	2.2	No odour, staining or asbestos.
		0.6					BH57_0.50-0.60	6.3	
		0.8							
		1					BH57_1.00-1.10	7	
		1.2							
		1.4							
		1.6					BH57_1.50-1.60	8.7	
		1.8							
		2		Fill	Fill - Silty CLAY, Dark Brown, heterogeneous, damp, low plasticity, firm, with crushed brick, concrete and metal.	DP	BH57_2.00-2.10	25.2	Moderate Hydrocarbon odour and black staining. No asbestos. QA/QC20221019_03 (Jar) taken at 4-4.1mbgs.
		2.2							
		2.4							
		2.6							
		2.8							
		3					BH57_3_3.1	57.9	
		3.2							
		3.4							
		3.6							
		3.8							
		4					BH57_4_4.1	350.[illegible]	
		4.2							
		4.4							

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SOIL BOREHOLE BH57

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
		4.6							
		4.8							
		5					BH57_5.00-5.10	112.1	
		5.2							
		5.4							
		5.6							
		5.8							
		6					BH57_6.00-6.10	52.3	
		6.2							
		6.4							
		6.6							
		6.8							
		7		SW	Natural - SAND, Dark Brown/Black, homogeneous, saturated,	S	BH57_7.00-7.10	270	Moderate Hydrocarbon odour and black/grey staining. No asbestos.
		7.2							
		7.4							
		7.6							
		7.8							
		8					BH57_8.00-8.10	200	
		8.2			Termination Depth at: 8.20 m.				End of hole at 8.2mbgs, Program Depth.
		8.4							
		8.6							
		8.8							
		9							
		9.2							
		9.4							
		9.6							
		9.8							

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SOIL BOREHOLE BH58

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 19-Oct-22
DRILL RIG Geoprobe
DRILLING METHOD Push Tube
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY GP/LH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT		0.2		Fill	Fill - Silty/Gravelly SAND, Dark Brown/Grey, heterogeneous, damp, well graded, coarse sand, sub-angular, medium dense, with concrete, bitumen, curshed brick, plastic, resin pieces.	DP	BH58_0.00-0.10	4	No odour, staining or asbestos.
		0.4					BH58_0.30-0.40	2.3	
		0.6					BH58_0.50-0.60	0.8	
		0.8							
		1					BH58_1.00-1.10	11	
		1.2							
		1.4							
		1.6					BH58_1.50-1.60	34	
		1.8							
		2					BH58_2.00-2.10	5.5	
		2.2							
		2.4							
		2.6							
		2.8							
		3					BH58_3.00-3.10	6.4	
		3.2							
		3.4							
		3.6							
		3.8							
		4					BH58_4.00-4.10	2.2	
		4.2							
		4.4							

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Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
		4.6		Fill	Fill - SAND, Black/Yellow, heterogeneous, saturated,	S	BH58_4.50-4.60	100	Moderate Hydrocarbon odour. No staining or asbestos.
		4.8							
		5					BH58_5.00-5.10	8.2	
		5.2							
		5.4							
		5.6		SW	Natural - SAND, Yellow/Grey, homogeneous, saturated, poorly graded, medium sand, rounded, medium dense	S	BH58_5.50-5.60	9.9	Moderate Hydrocarbon odour and black staining. No asbestos.
		5.8							
		6					BH58_6.00-6.10	11.6	
		6.2							
		6.4							
		6.6					BH58_6.50-6.60	11.6	
		6.8							
		7					BH58_7.00-7.10	11.6	
		7.2			Termination Depth at: 7.20 m.				End of hole at 7.2mbgs, Program Depth.
		7.4							
		7.6							
		7.8							
		8							
		8.2							
		8.4							
		8.6							
		8.8							
		9							
		9.2							
		9.4							
		9.6							
		9.8							

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SOIL BOREHOLE BH59

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Hand Auger
DRILLING METHOD Hand auger
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.2		Fill	Fill - Silty CLAY, brown/grey, heterogeneous, dry, high plasticity, firm, some inclusions of roots/gravels and lantana	DR	BH59_0-0.1	3.1	No odour, staining or asbestos.
		0.4					BH59_0.20-0.30	2.6	
							BH59_0.40-0.50	2.8	
		0.6			Termination Depth at: 0.50 m.				End of hole at 0.5mbgs, Refusal.
		0.8							
		1							
		1.2							
		1.4							
		1.6							
		1.8							
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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SOIL BOREHOLE BH60

PROJECT NUMBER 63638
PROJECT NAME Allnex Botany DSI
CLIENT Dentons
ADDRESS 49-61 Stephen Road, Botany

DRILLING COMPANY Terratest
DRILLING DATE 30-Oct-22
DRILL RIG Hand Auger
DRILLING METHOD Hand auger
DIAMETER

EASTING N/A
NORTHING N/A
COORD SYS GDA94_MGA_zone_56
COORD SOURCE
LOGGED BY MC

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.2		Fill	Fill - Silty CLAY, brown, heterogeneous, dry, medium plasticity, firm, inclusions of roots/rootlets, some gravels and organic matter.	DR	BH60_0-0.1	2.6	No odour, staining or asbestos.
							BH60_0.20-0.30	1.9	
		0.4			Termination Depth at: 0.30 m.				End of hole at 0.3mbgs, Refusal.
		0.6							
		0.8							
		1							
		1.2							
		1.4							
		1.6							
		1.8							
		2							
		2.2							
		2.4							
		2.6							
		2.8							
		3							
		3.2							
		3.4							
		3.6							
		3.8							
		4							
		4.2							
		4.4							

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GROUNDWATER WELL BH61/JBMW01

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 18-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ H	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7.5 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 4.6 - 7.3 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC			0		Concrete	Fill - CONCRETE				
PT			0.5		Fill	Fill - SAND, brown/yellow, heterogeneous, damp, well graded, medium sand, sub-rounded, loose, inclusions of lithic gravels	DP			No odour, staining or asbestos.
					SW		S			No odour, staining or asbestos.
			1			Natural - SAND, yellow, homogeneous, saturated, poorly graded, fine sand, sub-rounded, loose				Hydrocarbon odour. No staining or asbestos.
			1.5							
			2							
HFA			2.5							
			3							
			3.5							
			4							
			4.5							
	▽		5		SW	Natural - SAND, light yellow, homogeneous, wet, poorly graded, fine sand, sub-rounded, loose	W			Hydrocarbon odour. No staining or asbestos.
			5.5							
			6							
			6.5							
			7							
			7.5							End of hole at 7.5mbgs, Program Depth.
						Termination Depth at: 7.50 m.				

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GROUNDWATER WELL BH62/JBMW02

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 18-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ H	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH
COMPLETION Concrete	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 5 - 8 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC PT			0		Fill	Fill - Gravelly SAND heterogeneous, damp, inclusions of DGB gravels	DP			No odour, staining or asbestos.
			0.5		Fill	Fill - SAND, grey, heterogeneous, dry, fine sand loose, no inclusions	DR			Slight Hydrocarbon odour and slight grey staining. No asbestos.
			1		Fill	Fill - Gravelly SAND, red, heterogeneous coarse sand inclusions of cushed sandstone	DR			No odour, staining or asbestos.
			1.5		SW	Natural - SAND, white/yellow, homogeneous, damp, loose	DP			No odour, staining or asbestos.
			2							
			2.5							
			3							
			3.5							
			4							
			4.5							
			5							
			5.5							
	▽		6		SW	Natural - SAND, white/yellow, homogeneous, wet, loose	W			No odour, staining or asbestos.
HFA			6.5							
			7							
			7.5							
			8			Termination Depth at: 8.00 m.				End of hole at ~~8mbgs, Program~~ Depth.

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GROUNDWATER WELL BH63/JBMW03

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 29-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ H	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** ML/MN

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 4.3 - 7.3 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC			0		Concrete	Fill - CONCRETE	DP			No odour, staining or asbestos.
PT					Fill	Fill - Sandy GRAVEL, black, heterogeneous, damp, medium dense, inclusions of concrete and slag	DP			No odour, staining or asbestos. QAP/QCP20221029_ (PFAS) taken at 0.2-0.3mbgs.
			0.5		Fill	Fill - SAND, brown, heterogeneous, damp, medium dense, trace inclusions of gravel				No odour, staining or asbestos. QA/QC20221029_02 (Jar and Bag) taken at 0.5-0.6mbgs.
			1							
			1.5							
			2							
			2.5		SW	Natural - SAND, light brown, homogeneous, damp, dense, Saturated at 5.0mbgs.	DP			Hydrocarbon odour. No staining or asbestos.
			3							
			3.5							
			4							
			4.5							
	▽		5							
			5.5							
			6							
HFA			6.5							
			7							End of hole at 7mbgs, Program Depth.
						Termination Depth at: 7.00 m.				
			7.5							

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GROUNDWATER WELL BH64/JBMW04

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 29-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ H	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** ML/MN

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 4 - 7 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC					Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT			0.5		Fill	Fill - Gravelly SAND, grey/brown, heterogeneous, dry, medium dense, inclusions of concrete fragments, brick and plastic	DR			No odour, staining or asbestos.
			1							
			1.5							
			2							
			2.5		SW	Natural - SAND, brown, homogeneous, damp, dense, Saturated at 5.2mbgs.	DP			No odour, staining or asbestos.
			3							
			3.5							
			4							
			4.5							
	▽		5							
			5.5							
HFA			6							
			6.5							
			7							End of hole at 7mbgs, Program Depth.
						Termination Depth at: 7.00 m.				
			7.5							

GROUNDWATER WELL BH65/JBMW05

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 17-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube/ Hollow Flight Au	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7.5 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH
COMPLETION Topsoil	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 4.5 - 7.5 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT			0		Fill	Fill - Sandy CLAY, brown, heterogeneous, wet, low plasticity, soft, inclusions of sandstone, sandstone boulders, roots and rootlets.	W			No odour, staining or asbestos.
			0.5		Fill	Fill - Gravelly, Sandy CLAY, brown/grey, heterogeneous, moist, soft, inclusions of gravels, ashphalt and river pebbles	M			No odour, staining or asbestos.
			1							
			1.5		Fill	Fill - SAND, brown, heterogeneous, moist, well graded, medium sand, sub-angular, loose, inclusions of slag, brick and river pebbles	M			No odour, staining or asbestos.
			2							
			2.5							
			3							
			3.5		Fill	Fill - SAND, black/grey, heterogeneous, moist, well graded, medium sand, sub-angular, loose	M			Slight Hydrocarbon odour. No staining or asbestos.
			4		SW	Natural - SAND, light grey, homogeneous, moist, poorly graded, medium sand, sub-rounded, loose, saturated at 5.2mbgs.	M			Moderate Hydrocarbon odour and dark grey staining. No asbestos.
	▽		4.5							
			5							
			5.5							
			6							
HFA			6.5							
			7							
			7.5			Termination Depth at: 7.50 m.				End of hole at 7.5mbgs, Program Depth.

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GROUNDWATER WELL BH66/JBMW06

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 17-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube/ Hollow Flight Au	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7.3 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH
COMPLETION Topsoil	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 3 - 7.3 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
PT			0		Fill	Fill - Silty Gravelly SAND, brown, heterogeneous, damp, well graded, coarse sand, angular, medium dense, inclusions of concrete	DP			No odour, staining or asbestos.
					Fill		M			No odour, staining or asbestos.
			0.5		Fill	Fill - SAND, yellow/brown, heterogeneous, damp, poorly graded, medium sand, sub-angular, medium dense, inclusions of slag, lithic gravels and sandstone boulders	M			Strong Hydrocarbon odour. Black staining at 2.9-3.0mbgs. No asbestos.
			1			Fill - SAND, brown, heterogeneous, moist, poorly graded, medium sand, sub-angular, medium dense, inclusions of slag, lithic gravels and sandstone boulders				
			1.5							
			2							
			2.5							
			3		SW	Natural - SAND, white, homogeneous, moist, poorly graded, fine sand, sub-rounded, loose	M			Strong Hydrocarbon odour. No staining asbestos.
			3.5							
			4							
			4.5							
	▽		5		SW	Natural - SAND, yellow/grey, homogeneous, wet, poorly graded, fine sand, sub-rounded, loose	W			Strong Hydrocarbon odour. No staining asbestos.
HFA			5.5							
			6							
			6.5							
			7							End of hole at 7.3mbgs, Program Depth.
			7.5			Termination Depth at: 7.30 m.				

GROUNDWATER WELL BH67/JBMW07

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 17-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ H	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7.5 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 3 - 7.5 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC					Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT					Fill	Fill - gravelly SAND, dark brown, heterogeneous, damp, well graded, coarse sand, angular, dense, inclusions of glass fragments	DP			No odour, staining or asbestos.
			0.5		Fill	Fill - SAND, brown/grey, heterogeneous, damp, well graded, medium sand, sub-angular inclusions of slag and iron stone deposit	DP			No odour, staining or asbestos.
			1							
			1.5		SW	Natural - SAND, white/yellow, homogeneous, damp, poorly graded, fine sand, rounded, dense	DP			Solvent odour from 4.5-7.5mbgs. No staining or odour.
			2							
			2.5							
			3							
			3.5							
			4							
			4.5							
	▽		5							
			5.5							
HFA			6							
			6.5							
			7							
			7.5			Termination Depth at: 7.50 m.				End of hole at 7.5mbgs, Program Depth.

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GROUNDWATER WELL BH68/JBMW08

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 19-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ H	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 4 - 7 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC					Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT					Fill	Fill - Silty/Gravelly SAND, Dark Brown, heterogeneous, saturated, well graded, medium sand, sub-rounded, loose, with roadbase gravels and concrete.	S			No odour, staining or asbestos.
			0.5		SW	Natural - SAND, Yellow, homogeneous, wet, poorly graded, medium sand, sub-rounded, medium dense	W			No odour, staining or asbestos.
			1							
			1.5							
			2							
			2.5							
			3							
			3.5							
			4							
	▽		4.5							
			5							
HFA			5.5							
			6							
			6.5							
			7							End of hole at 7mbgs, Program Depth.
						Termination Depth at: 7.00 m.				
			7.5							

GROUNDWATER WELL BH69/JBMW09

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 18-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ H	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 4 - 7 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC					Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT					Fill	Fill - Sandy GRAVEL, Dark Grey, heterogeneous, moist, sub-angular with DGB Gravels	M			No odour, staining or asbestos.
			0.5		Fill		D			No odour, staining or asbestos.
					SW	Fill - Gravelly SAND, Grey/Brown, heterogeneous, damp, with DBG Gravels	S			No odour, staining or asbestos.
			1			Natural - SAND, Yellow/White, homogeneous, saturated, poorly graded, medium sand, sub-rounded, medium dense				
			1.5							
			2							
			2.5							
			3							
			3.5							
			4							
			4.5							
	▽		5							
HFA			5.5							
			6							
			6.5							
			7							End of hole at 7mbgs, Program Depth.
						Termination Depth at: 7.00 m.				
			7.5							

GROUNDWATER WELL BH70/JBMW10

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 18-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ I	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 4 - 7 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC PT			0		Fill	Fill - Gravelly SAND, dark grey, heterogeneous, damp, coarse sand inclusions of DGB gravels	DP			No odour, staining or asbestos.
			0.5		SW	Natural - SAND, white, homogeneous, damp, fine sand no inclusions	DP			No odour, staining or asbestos.
			1							
			1.5		SG	Natural - Gravelly SAND, red/orange, homogeneous, damp, coarse sand inclusions of oxidised/weathered sandstone. Coffee Rock	DP			No odour, staining or asbestos.
			2		SW	Natural - SAND, white/yellow/, homogeneous, damp, fine sand	DP			No odour, staining or asbestos.
			2.5							
			3							
			3.5							
			4							
			4.5							
	▽		5							
HFA			5.5		SW	Natural - SAND, grey/black, homogeneous, moist, fine sand	M			Grey staining. No staining or asbestos.
			6							
			6.5							
			7							End of hole at ~~7mbgs~~, Program Depth.
						Termination Depth at: 7.00 m.				
			7.5							

GROUNDWATER WELL BH71/JBMW11

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 18-Oct-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Push Tube/ H	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 7 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP/LH

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 3.3 - 6.3 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC			0		Concrete	Fill - CONCRETE				No odour, staining or asbestos.
PT					Fill	Fill - Sandy GRAVEL, black, heterogeneous, damp, medium sand medium dense, inclusions of gravel and concrete	DP			No odour, staining or asbestos. QA/QC20221029_04 (Jar) taken at 0.2-0.3mbgs.
			0.5		Fill		DP			No odour, staining or asbestos.
					SW	Fill - SAND, grey, heterogeneous, damp, medium sand medium dense	DR			No odour, staining or asbestos.
			1			Natural - SAND, light grey, homogeneous, dry, medium sand medium dense				
			1.5		SW	Natural - SAND, dark brown (Coffee), homogeneous, dry, medium sand medium dense	DR			No odour, staining or asbestos.
			2							
			2.5		SW	Natural - SAND, beige, homogeneous, dry, medium sand medium dense	DR			No odour, staining or asbestos.
			3							
			3.5							
			4							
			4.5		SW	Natural - SAND, light grey, homogeneous, damp, medium sand medium dense	DP			Slight sulfur odour. No staining or asbestos.
	▽		5							
HFA			5.5							
			6							
			6.5							
			7							End of hole at 7mbgs, Program Depth.
						Termination Depth at: 7.00 m.				
			7.5							

GROUNDWATER WELL JBMW12

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 25-Nov-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Hollow Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP
COMPLETION DGB Gravels	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 5 - 8 m bgl
COMMENTS		

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
HFA			0.5		Fill	Fill - Silty, gravelly SAND, dark brown, heterogeneous, dry-damp, with inclusions of DGB and rootlets	DP			No odour, staining or asbestos.
			4.5		Fill	Fill - Silty, gravelly SAND, light brown, heterogeneous, damp, with inclusions of rootlets	DP			No odour, staining or asbestos.
			5.5		SW	Natural - SAND, dark yellow, heterogeneous, damp-moist,	M			No odour, staining or asbestos.
	▽		6		SW	Natural - SAND, dark brown, heterogeneous, wet,	W			No odour, staining or asbestos.
			7.5		SW	Natural - SAND, dark brown, heterogeneous, wet,	W			Strong hydrocarbon odour. No staining or asbestos.
			8			Termination Depth at: 8.00 m.				End of hole at 8.0 mbgs, Program Depth.

GROUNDWATER WELL JBMW13

PROJECT NUMBER 63638	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Allnex Botany DSI	**DRILLING DATE** 25-Nov-22	**NORTHING** N/A
CLIENT Dentons	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Concrete Core/ Hollow Flight	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 49-61 Stephen Road, Botany	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 150 mm	**LOGGED BY** GP

COMPLETION Concrete | **CASING** Class 18 PVC - 50mm | **SCREEN INTERVAL** 5 - 8 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
CC HFA			0.5		Concrete	Fill - CONCRETE	DR			No odour, staining or asbestos.
			1		Fill	Fill - Gravelly SAND, dark brown, heterogeneous, dry, with inclusions of DGB	DR			No odour, staining or asbestos.
			1.5		Fill	Fill - Silty SAND, dark brown, heterogeneous, dry, with inclusions of gravels				No odour, staining or asbestos.
			2							
			2.5							
			3							
			3.5							
			4		Fill	Fill - SAND, dark yellow, heterogeneous, damp,	DP			No odour, staining or asbestos.
			4.5							
			5		SW	Natural - SAND, yellow/grey, homogenous, damp,	DP			No odour, staining or asbestos.
			5.5		SW	Natural - SAND, yellow/grey, homogeneous, moist,	M			No odour, staining or asbestos.
			6							
			6.5							
	▽		7		SW	Natural - SAND, yellow/grey, homogenous, wet,	W			Moderate hydrocarbon odour. No staining or asbestos.
			7.5							
			8							End of hole at 8.0 ~~mbgs, Program~~ Depth.
			8.5			Termination Depth at: 8.00 m.				

TEST PIT HA101

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of sandstone, bitumen and coffee rock gravels. Some inclusions of concrete gravels at 0.25 mbgs.	DP	HA101_0.10-0.20	No Odours, Staining or Asbestos.
CC	0.3		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.4		Fill	Fill - silty SAND, brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Little inclusions of coffee rock, bitumen and ballast gravels.	DP	HA101_0.50-0.60	No Odours, Staining or Asbestos.
	0.5						
	0.6						
	0.7						
	0.8						
	0.9						
	1		SW	Natural - SAND, white / yellow mottled, homogenous, dry, well graded, coarse sand, rounded, loose, No inclusions. At 1.3 mbgs the colour grades to dark yellow / brown mottled with coffee rock.	DR	HA101_1.00-1.10	No Odours, Staining or Asbestos.
	1.1						
	1.2						
	1.3						
	1.4					HA101_1.40-1.50	
	1.5			Termination Depth at: 1.50 m.			
	1.6						
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA102

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of crushed sandstone and igneous gravels.	DP	HA102_0.20-0.30	No Odours, Staining or Asbestos.
	0.3						
	0.4		Fill	Fill - gravelly SAND, dark grey / brown, heterogeneous, damp, well graded, coarse sand, sub-rounded, medium dense, Inclusions of bituminous gravels, rusted metal scrap.	DP		Light grey staining. No Odours or Asbestos.
	0.5					HA102_0.50-0.60	
	0.6						
	0.7						
	0.8						
	0.9						
	1					HA102_1.00-1.10	
	1.1						
	1.2		Fill	Fill - SAND, yellow / brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of sandstone cobbles.	DP		No Odours, Staining or Asbestos.
	1.3						
	1.4						
	1.5					HA102_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA103

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - gravelly CLAY, grey / brown, heterogeneous, damp, low plasticity, firm, Inclusions of bitumen and sandstone gravels.	DP	HA103_0.15-0.25	Light grey staining. No Odours or Asbestos.
	0.3		Bitumen	BITUMEN Not compacted.			No Odours, Staining or Asbestos.
	0.4						
	0.5		Fill	Fill - SAND, yellow / brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of bitumen gravels and concrete boulders.	DP	HA103_0.50-0.60	Light grey staining. No Odours or Asbestos.
	0.6						
	0.7						
	0.8		SW	Natural - SAND, white / yellow mottled, homogenous, dry, well graded, coarse sand, rounded, loose, Inclusions of coffee rock. At 1.3 mbgs the colour becomes white / brown mottled with coffee rock.	DR		No Odours, Staining or Asbestos.
	0.9						
	1					HA103_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA103_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA104

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, dark brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of paint and roadbase gravels.	DP	HA104_0.15-0.25	Paint odour. No Staining or Asbestos.
	0.3		Fill	Fill - SAND, yellow / brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of rootlets. At 0.6 mbgs includes some coffee rock.	DP		No Odours, Staining or Asbestos.
	0.4						
	0.5					HA104_0.50-0.60	
	0.6						
	0.7						
	0.8		SW	Natural - SAND, yellow / brown, homogenous, damp, well graded, coarse sand, rounded, loose, No inclusions.	DP		Faint hydrocrabon odour. No Staining or Asbestos.
	0.9						
	1					HA104_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA104_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA105

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, dark brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of roadbase gravels.	DP	HA105_0.15-0.25	No Odours, Staining or Asbestos.
	0.3						
	0.4		SW	Natural - SAND, yellow / brown, homogenous, damp, well graded, coarse sand, rounded, loose, Inclusions of coffee rock and rootlets.	DP		No Odours, Staining or Asbestos.
	0.5					HA105_0.50-0.60	
	0.6						
	0.7						
	0.8		SW	Natural - SAND, white / yellow / brown mottled, homogenous, damp, well graded, coarse sand, rounded, loose, Inclusions of coffee rock.	DP		No Odours, Staining or Asbestos.
	0.9						
	1					HA105_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA105_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

TEST PIT HA106

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - gravelly SAND, grey / brown, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of roadbase gravels and glass.	DP	HA106_0.20-0.30	Mild hydrocarbon odour. Grey staining. No Asbestos.
	0.3						
	0.4		Fill	Fill - SAND, brown / yellow, heterogeneous, damp, well graded, coarse sand, rounded, medium dense, Inclusions of rusted metal sheets and rods. At 0.8 mbgs the colour grades to white / brown and includes gravels.	DP		Mild hydrocarbon odour. No Staining or Asbestos.
	0.5					HA106_0.50-0.60	
	0.6						
	0.7						
	0.8						
	0.9						
	1					HA106_1.00-1.10	
	1.1						
	1.2						
	1.3		SW	Natural - SAND, yellow / brown, homogenous, damp, well graded, coarse sand, rounded, loose, Inclusions of coffee rock gravels.	DP		Mild hydrocarbon odour. No Staining or Asbestos.
	1.4						
	1.5					HA106_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA107

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Fill	Fill - silty SAND, light brown, heterogeneous, dry, well graded, fine sand, rounded, loose, Trace inclusions of fine black gravels.	DR	HA107_0.00-0.10	No Odours, Staining or Asbestos.
	0.2						
	0.3						
	0.4					HA107_0.40-0.50	
	0.5						
	0.6						
	0.7						
	0.8		Fill	Fill - SAND, light brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Trace inclusions of fine black gravels and glass.	DP		No Odours, Staining or Asbestos.
	0.9					HA107_0.90-1.00	
	1						
	1.1						
	1.2						
	1.3						
	1.4					HA107_1.40-1.50	
	1.5			Termination Depth at: 1.50 m.			
	1.6						
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA108

Project Number 63638	**Contractor** A1	**Easting** N/A
Client Dentons	**Date** 12-Jan-23	**Northing** N/A
Project Name Allnex Botany DSI	**Plant** N/A	**Coordinate System** GDA94_MGA_zone_56
Address 49-61 Stephen Road, Botany	**Method** Hand Auger	**Logged By** Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Fill	Fill - silty SAND, light brown, heterogeneous, dry, well graded, fine sand, rounded, loose, Some inclusions of dark grey coarse gravels. Trace inclusions of rootlets. Becomes damp at 0.8 mbgs.	DR	HA108_0.00-0.10	No Odours, Staining or Asbestos.
	0.2						
	0.3						
	0.4					HA108_0.40-0.50	
	0.5						
	0.6						
	0.7						
	0.8						
	0.9					HA108_0.90-1.00	
	1						
	1.1						
	1.2		Fill	Fill - SAND, light brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Little inclusions of coarse gravels.	DP		No Odours, Staining or Asbestos.
	1.3						
	1.4					HA108_1.40-1.50	
	1.5			Termination Depth at: 1.50 m.			
	1.6						
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA109

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of roadbase gravels and slag.	DP	HA109_0.20-0.30	No Odours, Staining or Asbestos.
	0.3						
	0.4						
	0.5		SW	Natural - SAND, yellow / white, homogenous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock. Grades to brown / yellow at 1.2 mbgs, no inclusions below this depth.	DP	HA109_0.50-0.60	Faint hydrocarbon odour. No Staining or Asbestos.
	0.6						
	0.7						
	0.8						
	0.9						
	1					HA109_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA109_1.50-1.60	
	1.6						
	1.7			Termination Depth at: 1.60 m.			
	1.8						
	1.9						

Comments:

TEST PIT HA110

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - SAND, brown, heterogeneous, damp, well graded, fine sand, rounded, loose, No inclusions.	DP	HA110_0.20-0.30	No Odours, Staining or Asbestos.
	0.3						
	0.4						
	0.5					HA110_0.50-0.60	
	0.6						
	0.7						
	0.8		SW	Natural - SAND, yellow / brown, homogenous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock and rootlets.	DP		No Odours, Staining or Asbestos.
	0.9						
	1					HA110_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA110_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA111

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - SAND, brown, heterogeneous, damp, well graded, fine sand, rounded, loose, No inclusions.	DP	HA111_0.20-0.30	No Odours, Staining or Asbestos.
	0.3						
	0.4		SW	Natural - SAND, yellow / brown, homogenous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock and rootlets.	DP		Faint hydrocarbon odour. No Staining or Asbestos.
	0.5					HA111_0.50-0.60	
	0.6						
	0.7						
	0.8						
	0.9						
	1					HA111_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA111_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA112

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - SAND, brown, heterogeneous, damp, well graded, fine sand, rounded, loose, No inclusions.	DP	HA112_0.20-0.30	No Odours, Staining or Asbestos.
	0.3						
	0.4		SW	Natural - SAND, yellow / brown, homogenous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock.	DP		No Odours, Staining or Asbestos.
	0.5					HA112_0.50-0.60	
	0.6						
	0.7						
	0.8						
	0.9						
	1					HA112_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA112_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA113

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - SAND, grey / dark brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of plastic cord and dark grey coarse gravels.	DP	HA113_0.20-0.30	No Odours, Staining or Asbestos.
	0.3						
	0.4					HA113_0.40-0.50	
	0.5						
	0.6						
	0.7						
	0.8		Fill	Fill - SAND, light brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of fine black gravels.	DP		No Odours, Staining or Asbestos.
	0.9					HA113_0.90-1.00	
	1						
	1.1						
	1.2						
	1.3						
	1.4					HA113_1.40-1.50	
	1.5			Termination Depth at: 1.50 m.			
	1.6						
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA114

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of plastic and roadbase gravels.	DP	HA114_0.15-0.25	No Odours, Staining or Asbestos.
	0.3						
	0.4		Fill	Fill - SAND, yellow / brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock.	DP		No Odours, Staining or Asbestos.
	0.5					HA114_0.50-0.60	
	0.6						
	0.7						
	0.8		SW	Natural - SAND, yellow / brown / white, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock.	DP		No Odours, Staining or Asbestos.
	0.9						
	1					HA114_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA114_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA115

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 – 0.8		Fill	Fill - silty SAND, dark brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of rootlets and trace inclusions of fine gravels. Become light brown / grey at 0.3 mbgs.	DP	HA115_0.00-0.10 HA115_0.40-0.50	No Odours, Staining or Asbestos.
	0.8 – 1.2		Fill	Fill - SAND, light brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Trace inclusions of fine gravels.	DP	HA115_0.90-1.00	No Odours, Staining or Asbestos.
	1.2 – 1.5		SW	Natural - SAND, light brown, homogenous, damp, well graded, fine sand, rounded, loose, No inclusions.	DP	HA115_1.40-1.50	No Odours, Staining or Asbestos.
	1.5			Termination Depth at: 1.50 m.			
	1.6 – 1.9						

Comments:

TEST PIT HA116

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, dark brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of roadbase and slag.	DP	HA116_0.15-0.25	No Odours, Staining or Asbestos.
	0.3		Fill	Fill - SAND, yellow / brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock.	DP		No Odours, Staining or Asbestos.
	0.4						
	0.5					HA116_0.50-0.60	
	0.6						
	0.7						
	0.8		SW	Natural - SAND, white / yellow / brown mottled, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock.	DP		No Odours, Staining or Asbestos.
	0.9						
	1					HA116_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA116_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA117

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, dark brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of roadbase gravels.	DP	HA117_0.20-0.30	No Odours, Staining or Asbestos.
	0.3		SW	Natural - SAND, yellow / brown, heterogeneous, damp, well graded, fine sand, rounded, loose, Inclusions of coffee rock which become more concentrated below 1.1 mbgs.	DP		No Odours, Staining or Asbestos.
	0.4						
	0.5					HA117_0.50-0.60	
	0.6						
	0.7						
	0.8						
	0.9						
	1					HA117_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA117_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA118

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
CC	0.1		Concrete	CONCRETE			No Odours, Staining or Asbestos.
HA	0.2		Fill	Fill - silty SAND, dark brown, heterogeneous, damp, well graded, fine sand, rounded, loose, No inclusions.	DP	HA118_0.20-0.30	No Odours, Staining or Asbestos.
	0.3		Fill	Fill - SAND, yellow / brown / white, heterogeneous, damp, well graded, fine sand, rounded, loose, No inclusions.	DP		No Odours, Staining or Asbestos.
	0.4						
	0.5					HA118_0.50-0.60	
	0.6						
	0.7		SW	Natural - SAND, white, homogenous, damp, well graded, fine sand, rounded, loose, Very fine grained sand. Inclusions of coffee rock which increase in concentration with increased depth.	DP		No Odours, Staining or Asbestos.
	0.8						
	0.9						
	1					HA118_1.00-1.10	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5					HA118_1.50-1.60	
	1.6			Termination Depth at: 1.60 m.			
	1.7						
	1.8						
	1.9						

Comments:

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TEST PIT HA119

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3		Fill	Fill - silty, sandy GRAVEL, dark brown / grey, heterogeneous, damp, well graded, medium gravel, sub-angular, loose, Little inclusions of concrete fragments.	DP	HA119_0.00-0.10	No Odours, Staining or Asbestos.
	0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4		Fill	Fill - silty SAND, dark brown, heterogeneous, damp, well graded, fine sand, sub-rounded, loose, Little inclusions of coarse gravels.	DP	HA119_0.40-0.50 HA119_0.90-1.00 HA119_1.40-1.50	No Odours, Staining or Asbestos.
	1.5 1.6 1.7 1.8 1.9			Termination Depth at: 1.50 m.			

Comments:

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TEST PIT HA120

Project Number 63638
Client Dentons
Project Name Allnex Botany DSI
Address 49-61 Stephen Road, Botany

Contractor A1
Date 12-Jan-23
Plant N/A
Method Hand Auger

Easting N/A
Northing N/A
Coordinate System GDA94_MGA_zone_56
Logged By Gina Pinget

Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Fill	Fill - silty, sandy GRAVEL, dark brown, heterogeneous, damp, well graded, medium gravel, sub-angular, loose, Little inclusions of concrete fragments.	DP	HA120_0.00-0.10	No Odours, Staining or Asbestos.
	0.2						
	0.3						
	0.4					HA120_0.40-0.50	
	0.5						
	0.6		Fill	Fill - silty, gravelly SAND, dark brown, heterogeneous, damp, well graded, fine sand, sub-rounded, loose, Little inclusions of coarse gravels.	DP		No Odours, Staining or Asbestos.
	0.7						
	0.8						
	0.9					HA120_0.90-1.00	
	1						
	1.1						
	1.2		Fill	Fill - SAND, brown / yellow, heterogeneous, damp, well graded, fine sand, sub-rounded, loose, Inclusions of fine gravels and coarse sandstone gravels.	DP		No Odours, Staining or Asbestos.
	1.3						
	1.4					HA120_1.40-1.50	
	1.5						
	1.6			Termination Depth at: 1.50 m.			
	1.7						
	1.8						
	1.9						

Comments:

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Appendix D2

Orica Groundwater Data (December 2023) - Logs and Summary Results Tables

MONITORING WELL WG229

URS Australia Pty. Ltd.
Level 3, 116 Miller Street, North Sydney
Phone: 02 8925 5500
Fax: 02 8925 5555

Drilling Contractor: Macquarie Pty Ltd		Project Reference: GTP Drilling Program Project No.: 43217663	Client: Orica Location: Botany
Logged By: L Alexander	Bore Size: 75mm mm	Relative Level: mAHD	Drill Type: HQ continuous mud rotation
Checked By: H. Marshall	Total Depth: 29.75 m	Coordinates: N	Drill Model: Fox B40
Date Started: 27-6-07	Casing Size: 32mm mm	E	
Date Finished: 27-6-07		Permit No:	Drill Fluid: Tuff Loss mud

Sample Interval PID (ppm)	Sample ID	Legend	USC DESCRIPTION OF STRATA Type, plasticity / particle size, colour, secondary / minor components (e.g., "trace"), moisture content, consistency / density, and additional observations	Classification	Depth (m)	Moisture Condition	WELL CONSTRUCTION DETAILS
			ASPHALT carpark surface		0		Lockable Wellhead; PVC End Cap
			SAND; pale brown, fine grained, very well sorted, loose, dry, some charcoal, some dark brown stained patches.		1		Grout
					2		
					3		
					4		Sand
			SANDY PEAT; black, firm, fibrous.				
			SAND; light grey, fine to medium grained, well rounded, moderately well sorted.		5		
					6		
			PEAT; black, firm, fibrous, very cohesive.		7		Bentonite seal
			SAND; light grey, fine to medium grained, well rounded, moderately well sorted.		8		
					9		Screened section within 3-5mm sand filter-pack.
					10		
					11		
					12		
			Some peaty nodules present.		13		
					14		

WELL_W...._MOIST_CONDITION J:\JOBS\43217663\000004 - FIELD PROGRAM\BORELOGS\... DRILLING PROGRAM JUNE 07.GPJ WCC_AUS.GDT 21/12/07

MONITORING WELL WG229

URS Australia Pty. Ltd.
Level 3, 116 Miller Street, North Sydney
Phone: 02 8925 5500
Fax: 02 8925 5555

Project No.: 43217663

Project Reference: GTP Drilling Program

Sample Interval PID (ppm)	Sample ID	Legend	USC DESCRIPTION OF STRATA Type, plasticity / particle size, colour, secondary / minor components (e.g., "trace"), moisture content, consistency / density, and additional observations	Classification	Depth (m)	Moisture Condition	WELL CONSTRUCTION DETAILS
					15		
			PEATY SAND; dark brown to black, fine to medium grained, fibrous, firm.		16		
					17		
			PEAT; black, soft-firm, fibrous, very cohesive, very little sand present.		18		Bentonite seal
					19		
			PEATY SAND; brown to black, fine to medium grained, some hard peaty nodules present.		20		
					21		Screened section within 3-5mm sand filter-pack.
					22		
					23		
					24		
			PEAT; black, some brown woody material present.		25		Bentonite Seal
			PEATY SAND; brown to black, fine to medium grained,		26		
					27		
			PEAT; very hard, appeared almost lithified, some softer woody chunks present.		28		Screened section within 3-5mm sand filter-pack.
			BEDROCK		29		
			End of borehole at 29.75m - Refusal in bedrock		30		
					31		
					32		

WELL_WITH_MOIST_CONDITION J:\JOBS\43217663\00004 - FIELD PROGRAM\BORELOGS\GTP DRILLING PROGRAM JUNE 07.GPJ WCC_AUS.GDT 21/12/07

MONITORING WELL WG230

URS Australia Pty. Ltd.
Level 3, 116 Miller Street, North Sydney
Phone: 02 8925 5500
Fax: 02 8925 5555

Project Reference: **GTP Drilling Program**
Project No.: **43217663**

Client: **Orica**
Location: **Botany**

Drilling Contractor: **Macquarie Pty Ltd**

Logged By:	L Alexander	Bore Size:	75mm mm
Checked By:	H. Marshall	Total Depth:	32.75 m
Date Started:	25-6-07	Casing Size:	32mm mm
Date Finished:	26-6-07		

Relative Level: **mAHD**
Coordinates: **N** **E**
Permit No:

Drill Type: **HQ continuous mud rotation**
Drill Model: **Fox B40**
Drill Fluid: **Tuff Loss mud**

Sample Interval PID (ppm)	Sample ID	Legend	USC DESCRIPTION OF STRATA Type, plasticity / particle size, colour, secondary / minor components (e.g., "trace"), moisture content, consistency / density, and additional observations	Classification	Depth (m)	Moisture Condition	WELL CONSTRUCTION DETAILS
			CONCRETE		0		Lockable Wellhead; PVC End Cap
			GRAVEL/ROADBASE				
			SAND; white, medium grained, moist, loose, some staining, possibly fill material.		1		Grout
			SAND; light brown, fine to medium grained, some peaty nodules present		2		
					3		
					4		3-5mm Sand and borehole collapse material
					5		
					6		
					7		Bentonite Seal
			PEAT: firm, black, cohesive, fibrous, minor sand component.		8		
			PEATY SAND; brown, slightly cohesive, fine to medium grained, well rounded, some fibres observable.		9		Screened section within 3-5mm sand filter pack
					10		
					11		
					12		
					13		
			PEAT; firm, black, cohesive, fibrous, very little sand component.		14		3-5mm sand
			PEATY SAND; brown, slightly cohesive, fine to medium grained.		15		
					16		

WELL_With_MOIST_CONDITION J:\JOBS\43217663\000004 - FIELD PROGRAM\BORELOGS\...DRILLING PROGRAM JUNE 07.GPJ WCC_AUS.GDT 21/12/07

MONITORING WELL WG230

URS Australia Pty. Ltd.
Level 3, 116 Miller Street, North Sydney
Phone: 02 8925 5500
Fax: 02 8925 5555

Project No.: 43217663

Project Reference: GTP Drilling Program

Sample Interval	PID (ppm)	Sample ID	Legend	USC DESCRIPTION OF STRATA Type, plasticity / particle size, colour, secondary / minor components (e.g., "trace"), moisture content, consistency / density, and additional observations	Classification	Depth (m)	Moisture Condition	WELL CONSTRUCTION DETAILS
				PEAT: firm, black, cohesive, fibrous, minor sand component.		17		Bentonite Seal
				SAND; fine to medium grained, moderately well sorted, well rounded, some minor peaty components.		18		
						19		
						20		Screened section within 3-5mm sand filter pack
						21		
						22		
						23		
						24		3-5mm sand
				CLAYEY SAND; slightly cohesive, soft, light brown.				
				SAND; fine to medium grained, moderately well sorted, well rounded, some minor peaty components.		25		
						26		
						27		
						28		Bentonite Seal
				SANDY PEAT; black, firm, fibrous, fine to medium grained sand component.				
				SAND; grey, fine grained, well sorted, well rounded.		29		
						30		
						31		
				SANDY PEAT; black, firm, fibrous, fine grained sand component.				Screened section within 3-5mm sand filter pack
						32		
				PEATY CLAY; black, medium plasticity, some fibrous material.				
				End of borehole. Refusal on bedrock.		33		
						34		
						35		

WELL_WITH_MOIST_CONDITION J:\JOBS\43217663\00004 - FIELD PROGRAM\BORELOGS\GTP DRILLING PROGRAM JUNE 07.GPJ WCC_AUS.GDT 21/12/07

MONITORING WELL WG233

URS Australia Pty. Ltd.
Level 3, 116 Miller Street, North Sydney
Phone: 02 8925 5500
Fax: 02 8925 5555

Project Reference: **GTP Drilling Program**
Project No.: **43217663**
Client: **Orica**
Location: **Botany**

Drilling Contractor: **Macquarie Pty Ltd**

Logged By: **L Alexander**	Bore Size: **75mm mm**	Relative Level: **mAHD**	Drill Type: **HQ continuous mud rotation**
Checked By: **H. Marshall**	Total Depth: **32.50 m**	Coordinates: **N**	Drill Model: **Fox B40**
Date Started: **21-6-07**	Casing Size: **32mm mm**	**E**	Drill Fluid: **Tuff Loss mud**
Date Finished: **22-6-07**		Permit No:	

Sample Interval PID (ppm)	Sample ID	Legend	USC DESCRIPTION OF STRATA Type, plasticity / particle size, colour, secondary / minor components (e.g., "trace"), moisture content, consistency / density, and additional observations	Classification	Depth (m)	Moisture Condition	WELL CONSTRUCTION DETAILS
			CONCRETE		0		Lockable Wellhead; PVC End Cap
			SAND; yellow with some tan/brown patches, medium grained, loose, moist, possibly fill material.		1		Grout
					2		
			SAND; medium grained, white, well rounded and well sorted.		3		
					4		3-5mm Sand
					5		
					6		
					7		Bentonite Seal
			SANDY PEAT; black, cohesive, soft, fibrous, sand component is medium to fine grained.		8		
			SAND; fine to medium grained, moderately well sorted, rounded.		9		
					10		Screened section within 3-5mm sand filter pack.
					11		
					12		3-5mm Sand
			PEAT; black, cohesive, soft, fibres present, trace sand component		13		
					14		Bentonite Seal
					15		Borehole collapse material
			SANDY PEAT; black, cohesive, soft, fine to medium grained sand component.		16		

WELL_W...1_MOIST_CONDITION J:\JOBS\43217663\00004 - FIELD PROGRAM\BOREHOLES\... DRILLING PROGRAM JUNE 07.GPJ WCC_AUS.GDT 21/12/07

MONITORING WELL WG233

URS Australia Pty. Ltd.
Level 3, 116 Miller Street, North Sydney
Phone: 02 8925 5500
Fax: 02 8925 5555

Project No.: 43217663

Project Reference: GTP Drilling Program

Sample Interval / PID (ppm)	Sample ID	Legend	USC DESCRIPTION OF STRATA Type, plasticity / particle size, colour, secondary / minor components (e.g., "trace"), moisture content, consistency / density, and additional observations	Classification	Depth (m)	Moisture Condition	WELL CONSTRUCTION DETAILS
			SAND; fine to medium grained, well rounded, moderately well sorted.		17		Bentonite Seal
					18		
					19		
					20		Screened section within 3-5mm sand filter pack.
					21		
					22		
					23		
			Some thin brown medium plasticity clay lenses present.		24		3-5mm Sand
			SAND; fine to medium grained, well rounded, moderately well sorted.		25		
					26		
					27		
			SANDY CLAY; black to dark brown, medium plasticity, some peaty fibres incorporated.		28		Bentonite Seal
			Sand; fine to medium grained.		29		
					30		
					31		
			PEAT; black, cohesive, fibrous.				Screened section within 3-5mm sand filter pack.
			Sand; fine to medium grained.		32		
			CLAYEY SAND; light brown, low plasticity.				
			End of Borehole at 32.5m. Refusal on bedrock and target depth reached.		33		
					34		
					35		
					36		

WELL_WITH_MOIST_CONDITION J:\JOBS\43217663\00004 - FIELD PROGRAM\BORELOGS\GTP DRILLING PROGRAM JUNE 07.GPJ WCC_AUS.GDT 21/12/07

URS

MONITORING WELL BP53

URS Australia Pty. Ltd.
Level 3, 116 Miller Street, North Sydney
Phone
Fax

Project Reference: Northern Plumes Investigation 2004
Project No.: 46160-005-2501
Client: Orica Engineering Pty. Ltd.
Location: Botany

Drilling Contractor: Terratest

Logged By: ELC
Checked By: JM
Date Started: 20-11-03
Date Finished: 20-11-03

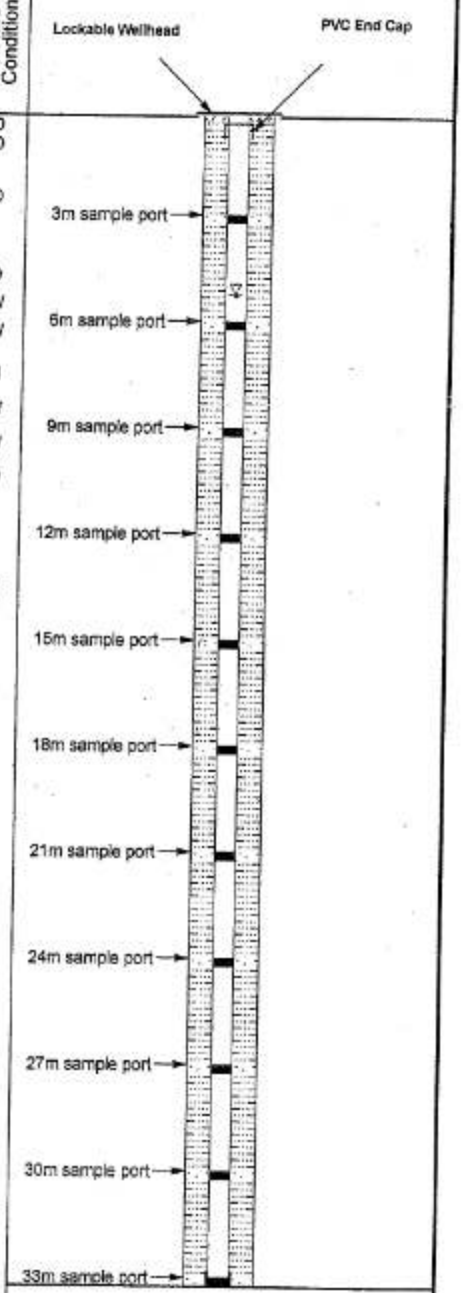
Bore Size: 200 mm
Total Depth: 33.00 m
Casing Size: 50 mm

Relative Level: mRL
Coordinates: mN
mE
Permit No:

Drill Type: Hollow stem auger
Drill Model: Edson 3000
Drill Fluid: Biopolymer Mud

Sample Interval	PID (ppm)	Sample ID	Legend	USC DESCRIPTION OF STRATA (Type, plasticity / particle size, colour, secondary / minor components (e.g., "trace"), moisture content, consistency / density, and additional observations)	Classification	Depth (m)	Moisture Condition
				CONCRETE		0	D
				SAND: light brown, fine grain, well sorted, dry.		1	D
				SAND: brown / orange, fine to medium grain, sub rounded, well sorted, dry.		2	D
						3	
				Yellow-brown below 4.2m.		4	D
				Wet below 5m.		5	W
				SAND: white / grey, fine grain, sub rounded, well sorted.		6	W
				PEATY CLAY: black, medium plasticity, wet.		7	M
				SAND: Grey, fine to medium grain, sub-rounded, well sorted.		8	W
				PEATY SAND: Dark brown, fine grained, silty.		9	W
				SAND: light brown, fine to medium grain, sub-rounded, well sorted.		10	W
						11	
						12	
				CLAY: black, medium plasticity, wet.		13	W
				SAND: light brown, fine grain, well sorted, sub-rounded.		14	W
				Grey below 15m.		15	
				PEAT: Dark brown, silty, soft.		16	W
				SAND: brown, fine grain, well sorted, sub-rounded.		17	W
						18	
						19	
						20	
						21	
						22	
						23	
						24	
				PEAT: Dark brown, silty.		25	W
				SAND: brown, fine grain, well sorted, sub-rounded.		26	W
						27	
				PEATY SAND: brown, fine grain, well sorted, sub-rounded.		28	W
				SAND: brown, fine grain, well sorted, sub-rounded.		29	W
						30	
						31	
						32	
				EOH 33m, well installed.		33	
						34	

WELL CONSTRUCTION DETAILS



Remarks: Located by Truck Loading Bay, Nuplex.

T_CONDITION NORTHERN.GPJ WCC_AUS.GDT 17/06/04

WELL WITH

Location ID	WG229_D	WG229_S	WG230_D	WG230_I	WG230_S	WG233_D	WG233_I	WG233_S
Sample ID	WG229_D_23/08/23	WG229_S_23/08/23	WG230_D_23/08/23	WG230_I_23/08/23	WG230_S_23/08/23	WG233_D_23/08/23	WG233_I_23/08/23	WG233_S_23/08/23
Date Sampled	23 Aug 2023	23 Aug 2023	23 Aug 2023	23 Aug 2023	23 Aug 2023	23 Aug 2023	23 Aug 2023	23 Aug 2023

Analyte	Units								
Carbon Tetrachloride	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Chlorinated Methanes	mg/l	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrachloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	0.002	0.006	<0.001	<0.001
1,2-Dichloroethane	mg/l	0.027	0.003	<0.001	<0.001	0.006	0.037	0.004	<0.001
Chloroethane	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Chlorinated Ethanes	mg/l	0.027	0.003	ND	ND	0.008	0.043	0.004	ND
Tetrachloroethene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	mg/l	0.002	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/l	0.025	<0.001	<0.001	<0.001	0.015	0.004	0.006	<0.001
trans-1,2-Dichloroethene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
Vinyl Chloride	mg/l	<0.0100	<0.001	<0.0100	<0.0100	0.0182	0.127	<0.0100	<0.001
Total Chlorinated Ethenes	mg/l	0.027	ND	ND	ND	0.034	0.134	0.006	ND
Hexachlorobutadiene	mg/l	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Volatile CHCs	mg/l	0.054	0.003	ND	ND	0.042	0.177	0.010	ND
Carbon Disulfide	mg/l	<0.001	<0.001	<0.001	<0.001	0.003	0.005	<0.001	<0.001

Notes:
ND = Non-detect.
Where analytes were analysed twice (e.g. VC SIM), the highest detected concentration or lowest LOR were adopted.

* *Sample ID* incorrectly labelled

Location	Depth	Sample Date	Purge Volume (L)	DO ppm	EC (µS/cm)	pH	Er (mV)	Temp °C	SWL (mbtoc)	Comments
Groundwater										
WG229	S	28/08/2023	3	9.10	514.2	6.2	-127.6	20.9	5.68	Brown tinge, low turbidity, mild to strong solvent odour.
			6	7.30	536.3	6.23	-154.4	21.0	-	Brown tinge, low turbidity, mild to strong solvent odour.
			9	4.90	559.0	6.24	-186.1	21.0	-	Brown tinge, low turbidity, mild to strong solvent odour.
	I	23/08/2023	-	-	-	-	-	-	-	Blocked, unable to sample.
	D	23/08/2023	3	1.29	457.2	5.59	-83.8	20.4	7.83	Clear, low turbidity, no odour.
			6	1.12	455.8	5.55	-81.6	20.5	-	Clear, low turbidity, no odour.
			9	1.02	453.6	5.52	-81.2	20.3	-	Clear, low turbidity, no odour.
WG233	S	23-08-23	3	6.01	90.4	6.28	-5.4	19.9	5.96	Clear, low turbidity, no odour.
			6	4.59	169.8	6.29	-12.4	20.1	-	Clear, low turbidity, no odour.
			9	4.09	185.2	6.25	-16.8	20.3	-	Clear, low turbidity, no odour.
	I	23-08-23	3	0.27	416.2	5.74	-136.7	20.8	7.17	Clear, low turbidity, no odour.
			6	0.26	420.9	5.73	-139.2	20.8	-	Clear, low turbidity, no odour.
			9	0.26	425.3	5.73	-139.2	20.8	-	Clear, low turbidity, no odour.
	D	23-08-23	3	1.18	371.6	5.96	-122.6	20.8	7.21	Clear, low turbidity, slight odour.
			6	1.14	373.2	5.96	-121.8	20.8	-	Clear, low turbidity, slight odour.
			9	1.10	373.2	5.96	-121.3	20.8	-	Clear, low turbidity, slight odour.
WG230	S	23/08/2023	3	2.06	362.7	5.79	-6.8	18.3	7.24	Brown tinge, low turbidity, no odour.
			6	1.86	348.0	5.81	-18.8	18.4	-	Brown tinge, low turbidity, no odour.
			9	1.82	343.1	5.81	-24.4	18.4	-	Brown tinge, low turbidity, no odour.
	I	23/08/2023	3	1.98	509.0	5.69	-43.7	18.3	-	Clear, low turbidity, no odour.
			6	1.73	517.0	5.62	-53.6	18.4	-	Clear, low turbidity, no odour.
			9	1.24	529.0	5.51	-63.2	18.4	-	Clear, low turbidity, no odour.
	D	23/08/2023	3	0.44	385.1	5.74	-28.8	19.1	5.24	Brown tinge, moderate turbidity, no odour. Suspended particles.
			6	0.31	384.0	5.75	-28.2	19.1	-	Brown tinge, moderate turbidity, no odour. Suspended particles.
			9	0.39	382.1	5.75	-28.0	19.1	-	Brown tinge, moderate turbidity, no odour. Suspended particles.

Notes

- = Not recorded

Er = Oxidation reduction (redox) potential as measured with a platinum electrode and silver/silver chloride reference electrode.

°C = Degree in Celcius

SWL = Standing Water Level

mbtoc = metres below top of casing

ppm = parts per million

1,2-Dichloroethane

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Aug-96	Aug 03 - Jan 04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09
N1	**3**	**BP04**	**6**	BP04_6	0.005	<0.001	0.523	0.535	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
			12	BP04_12	0.013	0.212	0.029	0.051	0.037	0.035	0.046		0.06	0.043	0.041	0.02	0.023	0.036	0.025	0.047	0.037	0.061	0.071	0.077			
			18	BP04_18	0.004	0.008	<0.001	0.009	0.004	0.004	0.004		0.006	0.005	0.005	0.005	0.004	0.005	0.003				0.011				
			20	BP04_20																	0.006						
			24	BP04_24	0.01	0.006	0.005		0.005	Blkd	0.006		Blkd	0.004	0.003	0.004	0.004	0.004			0.017						
			26	BP04_26										0.771									0.049				
			30	BP04_30	1.48	3.51	2.1	1.34	0.896	Blkd	0.179		Blkd	Blkd	1.33	1.17	1.946	1.74	2.02		0.657		0.518				
N1/N2	**3**	**BP53**	**12**	BP53_12		0.019	0.031	Blkd	0.011	0.006	0.01	0.009	0.014	0.01	0.302	0.009	0.01			No access	0.010	0.014	0.012	0.01			
			18	BP53_18		0.011	0.031	Blkd	0.013	0.006	0.003	0.006	0.004	0.003	0.002	0.002	<0.001				0.004		0.002				
			21	BP53_21			0.883	Blkd	20.4	27.9	0.104	21.4	20.7	19.2	22.7	Blkd	15.52				15.1		26.6				
			24	BP53_24		0.34		Blkd	0.006	12.7	0.18	21.4	21.2	Blkd	15.9	11.6	15.23				9.45		14.6				
			27	BP53_27		1.54	3.55	Blkd	1.97	13.7	0.193	21.4	15.4	13.1	17.6	5.89	8.908				9.03		9.62				
N1	**3**	**WG229S**	**(8-11)**	WG229_S																					0.055	0.006	0.008
N1	**3**	**WG229I**	**(19-22)**	WG229_I																					0.006		
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D																					0.36		
N1	**3**	**WG230S**	**(8-11)**	WG230_S																							
N1	**3**	**WG230I**	**(18-21)**	WG230_I																							
N1	**3**	**WG230D**	**(30-33)**	WG230_D																							
N1	**3**	**WG231S**	**(8-11)**	WG231_S																					0.002	<0.001	<0.001
N1	**3**	**WG231I**	**(16-19)**	WG231_I																					0.015		
N1	**3**	**WG231D**	**(28-31)**	WG231_D																					0.003		
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S																					<0.001	<0.001	<0.001
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I																					0.003		
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D																					0.518		

Note: All concentrations in mg/L

1,2-Dichloroethane

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Jun-09	Sep-09	Dec-09	Mar-10	Jun-10	Sep-10	Dec-10	Mar-11	Jun-11	Sep-11	Dec-11	Mar-12	Jun-12	Sep-12	Dec-12	Mar-13	Jun-13	Sep-13	Mar-14
N1	3	BP04	6	BP04_6																			
			12	BP04_12																			
			18	BP04_18																			
			20	BP04_20																			
			24	BP04_24																			
			26	BP04_26																			
			30	BP04_30																			
N1/N2	3	BP53	12	BP53_12																			
			18	BP53_18																			
			21	BP53_21																			
			24	BP53_24																			
			27	BP53_27																			
N1	3	WG229S	(8-11)	WG229_S	0.006	0.006	0.003	0.009	0.009	0.006	0.005	0.005	<0.001	<0.001	0.004	0.007	0.008	0.002	0.001	0.006	0.006	0.003	
N1	3	WG229I	(19-22)	WG229_I		0.076				0.06				0.048				0.051				0.05	
N1	3	WG229D	(26.5-29.5)	WG229_D		0.184				0.106				0.12				0.011				0.07	
N1	3	WG230S	(8-11)	WG230_S		0.022								0.012									
N1	3	WG230I	(18-21)	WG230_I		0.002								0.002									
N1	3	WG230D	(30-33)	WG230_D		0.002								0.877									
N1	3	WG231S	(8-11)	WG231_S	<0.001	0.002	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001	
N1	3	WG231I	(16-19)	WG231_I		0.016				0.017				0.012								0.008	
N1	3	WG231D	(28-31)	WG231_D		0.003				0.004				<0.001				<0.001				< 0.001	
N2/N3	3	WG233S	(8-11)	WG233_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001	
N2/N3	3	WG233I	(19-22)	WG233_I		0.011				0.007				0.004				0.008				0.459	
N2/N3	3	WG233D	(29-32)	WG233_D		0.196				0.011				0.406				0.599				0.102	

Note: All concentrations in mg/L

1,2-Dichloroethane

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Sep-14	Mar-15	Sep-15	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Sep-18	Mar-19	Sep-19	Mar-20	Sep-20	Feb-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23
N1	3	BP04	6	BP04_6																			
			12	BP04_12																			
			18	BP04_18																			
			20	BP04_20																			
			24	BP04_24																			
			26	BP04_26																			
			30	BP04_30																			
N1/N2	3	BP53	12	BP53_12																			
			18	BP53_18																			
			21	BP53_21																			
			24	BP53_24																			
			27	BP53_27																			
N1	3	WG229S	(8-11)	WG229_S	0.01		0.005		0.001		0.006		< 0.005		0.003		< 0.001		0.001		< 0.001		0.003
N1	3	WG229I	(19-22)	WG229_I	0.044		0.031		0.029		0.033				0.025				0.016				NS
N1	3	WG229D	(26.5-29.5)	WG229_D	0.07		0.012		0.052		0.018				0.01				0.022				0.027
N1	3	WG230S	(8-11)	WG230_S			0.003				0.002		< 0.001		< 0.001		< 0.001		< 0.001		0.002		0.006
N1	3	WG230I	(18-21)	WG230_I			< 0.001				0.001				< 0.001				< 0.001				< 0.001
N1	3	WG230D	(30-33)	WG230_D			0.005				1.22				0.008				0.003				< 0.001
N1	3	WG231S	(8-11)	WG231_S	0.003		0.002		0.002		0.004		0.001		< 0.001		< 0.001		< 0.001		< 0.001		0.001
N1	3	WG231I	(16-19)	WG231_I	0.033		0.012		0.003						0.016				0.007				0.01
N1	3	WG231D	(28-31)	WG231_D	1.91		< 0.001		< 0.001		0.01				0.006				< 0.001				< 0.001
N2/N3	3	WG233S	(8-11)	WG233_S	< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		<0.001
N2/N3	3	WG233I	(19-22)	WG233_I	0.004		0.002		0.006		0.011				0.003				0.003				0.004
N2/N3	3	WG233D	(29-32)	WG233_D	0.174		0.029		0.02		1.24				0.005				0.022				0.037

Note: All concentrations in mg/L

Tetrachloroethene (PCE)

Plume Label	Well / Piezometer ID	Sample Depths (m)	Sample ID	Aug-96	Aug 03 - Jan 04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08
N1	**BP04**	**6**	BP04_6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	BP04	**12**	BP04_12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	BP04	**18**	BP04_18	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001		
	BP04	**20**	BP04_20																	<0.001				
	BP04	**24**	BP04_24	<0.001	<0.001	<0.001		<0.001	Blkd	<0.001		Blkd	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001				
	BP04	**26**	BP04_26										<0.001									<0.001		
	BP04	**30**	BP04_30	<0.001	<0.02	<0.005	<0.005	<0.001	Blkd	<0.001		Blkd	Blkd	<0.005	<0.005	<0.005	<0.005	<0.005		<0.001		<0.001		
N1/N2	**BP53**	**12**	BP53_12		<0.001	<0.001	Blkd	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			No access	<0.001	<0.001	<0.001	<0.001	
	BP53	**18**	BP53_18		<0.001	<0.001	Blkd	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001		<0.001		
	BP53	**21**	BP53_21			<0.001	Blkd	<0.001	<0.02	<0.001	<0.02	<0.02	<0.02	<0.02	Blkd	<0.02				<0.02		<0.02		
	BP53	**24**	BP53_24		<0.01		Blkd	<0.001	<0.001	<0.001	<0.02	<0.02	Blkd	<0.02	<0.02	<0.02				<0.005		<0.02		
	BP53	**27**	BP53_27		<0.02	<0.005	Blkd	<0.001	<0.01	<0.001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				<0.005		<0.005		
N1	**WG229S**	**(8-11)**	WG229_S																					<0.001
N1	**WG229I**	**(19-22)**	WG229_I																					<0.001
N1	**WG229D**	**(26.5-29.5)**	WG229_D																					<0.001
N1	**WG230S**	**(8-11)**	WG230_S																					
N1	**WG230I**	**(18-21)**	WG230_I																					
N1	**WG230D**	**(30-33)**	WG230_D																					
N1	**WG231S**	**(8-11)**	WG231_S																					<0.001
N1	**WG231I**	**(16-19)**	WG231_I																					0.003
N1	**WG231D**	**(28-31)**	WG231_D																					0.002
N2/N3	**WG233S**	**(8-11)**	WG233_S																					<0.001
N2/N3	**WG233I**	**(19-22)**	WG233_I																					<0.001
N2/N3	**WG233D**	**(29-32)**	WG233_D																					<0.001

Note: All concentrations in mg/L

Tetrachloroethene (PCE)

Plume Label	Well / Piezometer ID	Sample Depths (m)	Sample ID	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Jun-10	Sep-10	Dec-10	Mar-11	Jun-11	Sep-11	Dec-11	Mar-12	Jun-12	Sep-12	Dec-12	Mar-13	Sep-13	Mar-14	Sep-14	Mar-15
N1	**BP04**	**6**	BP04_6																						
	BP04	**12**	BP04_12																						
	BP04	**18**	BP04_18																						
	BP04	**20**	BP04_20																						
	BP04	**24**	BP04_24																						
	BP04	**26**	BP04_26																						
	BP04	**30**	BP04_30																						
N1/N2	**BP53**	**12**	BP53_12																						
	BP53	**18**	BP53_18																						
	BP53	**21**	BP53_21																						
	BP53	**24**	BP53_24																						
	BP53	**27**	BP53_27																						
N1	**WG229S**	**(8-11)**	WG229_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001	
N1	**WG229I**	**(19-22)**	WG229_I				<0.001				<0.001				<0.001				<0.001			< 0.001		<0.001	
N1	**WG229D**	**(26.5-29.5)**	WG229_D				<0.001				<0.001				<0.001				<0.001			< 0.001		<0.001	
N1	**WG230S**	**(8-11)**	WG230_S				<0.001								<0.001										
N1	**WG230I**	**(18-21)**	WG230_I				<0.001								<0.001										
N1	**WG230D**	**(30-33)**	WG230_D				<0.001								0.008										
N1	**WG231S**	**(8-11)**	WG231_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001	
N1	**WG231I**	**(16-19)**	WG231_I				<0.001				<0.001				<0.001							< 0.001		<0.001	
N1	**WG231D**	**(28-31)**	WG231_D				<0.001				<0.001				<0.001				<0.001			< 0.001		<0.005	
N2/N3	**WG233S**	**(8-11)**	WG233_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001	
N2/N3	**WG233I**	**(19-22)**	WG233_I				<0.001				<0.001				<0.001				<0.001			0.008		<0.001	
N2/N3	**WG233D**	**(29-32)**	WG233_D				<0.001				<0.001				0.001				<0.001			< 0.001		<0.001	

Note: All concentrations in mg/L

Tetrachloroethene (PCE)

Plume Label	Well / Piezometer ID	Sample Depths (m)	Sample ID	Sep-15	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Sep-18	Mar-19	Sep-19	Mar-20	Sep-20	Feb-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23
N1	BP04	6	BP04_6																	
	BP04	12	BP04_12																	
	BP04	18	BP04_18																	
	BP04	20	BP04_20																	
	BP04	24	BP04_24																	
	BP04	26	BP04_26																	
	BP04	30	BP04_30																	
N1/N2	BP53	12	BP53_12																	
	BP53	18	BP53_18																	
	BP53	21	BP53_21																	
	BP53	24	BP53_24																	
	BP53	27	BP53_27																	
N1	WG229S	(8-11)	WG229_S	< 0.001		< 0.001		< 0.001		< 0.005		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N1	WG229I	(19-22)	WG229_I	< 0.001		< 0.001		< 0.001				0.002				< 0.001				NS
N1	WG229D	(26.5-29.5)	WG229_D	< 0.001		< 0.001		< 0.001				< 0.001				< 0.001				< 0.001
N1	WG230S	(8-11)	WG230_S	< 0.001				< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N1	WG230I	(18-21)	WG230_I	< 0.001				< 0.001				< 0.001				< 0.001				< 0.001
N1	WG230D	(30-33)	WG230_D	< 0.001				0.010				< 0.001				< 0.001				< 0.001
N1	WG231S	(8-11)	WG231_S	< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N1	WG231I	(16-19)	WG231_I	< 0.001		< 0.001						0.003				0.008				0.005
N1	WG231D	(28-31)	WG231_D	< 0.001		< 0.001		< 0.001				< 0.001				< 0.001				< 0.001
N2/N3	WG233S	(8-11)	WG233_S	< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N2/N3	WG233I	(19-22)	WG233_I	< 0.001		< 0.001		< 0.001				< 0.001				< 0.001				< 0.001
N2/N3	WG233D	(29-32)	WG233_D	< 0.001		< 0.001		< 0.005				< 0.001				< 0.001				< 0.001

Note: All concentrations in mg/L

Trichloroethene

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Aug-96	Aug 03 - Jan 04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09
N1	**3**	**BP04**	**6**	BP04_6	<0.001	<0.001	0.001	0.002	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
			12	BP04_12	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
			18	BP04_18	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001					
			20	BP04_20																	<0.001							
			24	BP04_24	<0.001	<0.001	<0.001		<0.001	Blkd	<0.001		Blkd	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001							
			26	BP04_26									NS	0.011									<0.001					
			30	BP04_30	0.003	<0.02	0.006	<0.005	0.003	Blkd	0.001		Blkd	Blkd	0.006	0.016	0.016	0.016	0.014		0.010		0.003					
N1	**3**	**WG229S**	**(8-11)**	WG229_S																					<0.001	<0.001	<0.001	<0.001
N1	**3**	**WG229I**	**(19-22)**	WG229_I																					<0.001			
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D																					0.002			
N1	**3**	**WG230S**	**(8-11)**	WG230_S																								
N1	**3**	**WG230I**	**(18-21)**	WG230_I																								
N1	**3**	**WG230D**	**(30-33)**	WG230_D																								
N1	**3**	**WG231S**	**(8-11)**	WG231_S																					<0.001	<0.001	<0.001	<0.001
N1	**3**	**WG231I**	**(16-19)**	WG231_I																					<0.001			
N1	**3**	**WG231D**	**(28-31)**	WG231_D																					<0.001			
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S																					<0.001	<0.001	<0.001	<0.001
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I																					<0.001			
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D																					0.014			

Note: All concentrations in mg/L

Trichloroethene

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Sep-09	Dec-09	Mar-10	Jun-10	Sep-10	Dec-10	Mar-11	Jun-11	Sep-11	Dec-11	Mar-12	Jun-12	Sep-12	Dec-12	Mar-13	Jun-13	Sep-13	Mar-14	Sep-14	Mar-15	Sep-15	Mar-16
N1	**3**	**BP04**	**6**	BP04_6						**6**																
			12	BP04_12						**12**																
			18	BP04_18						**18**																
			20	BP04_20						**20**																
			24	BP04_24						**24**																
			26	BP04_26						**26**																
			30	BP04_30						**30**																
N1	**3**	**WG229S**	**(8-11)**	WG229_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.001	
N1	**3**	**WG229I**	**(19-22)**	WG229_I	0.001				0.001				0.001				0.002				0.004		0.004		0.004	
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D	0.001				<0.001				0.002				<0.001				< 0.001		0.002		< 0.001	
N1	**3**	**WG230S**	**(8-11)**	WG230_S	<0.001								<0.001												< 0.001	
N1	**3**	**WG230I**	**(18-21)**	WG230_I	<0.001								<0.001												< 0.001	
N1	**3**	**WG230D**	**(30-33)**	WG230_D	<0.001								0.098												0.002	
N1	**3**	**WG231S**	**(8-11)**	WG231_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.001	
N1	**3**	**WG231I**	**(16-19)**	WG231_I	<0.001				<0.001				<0.001								< 0.001		0.001		0.002	
N1	**3**	**WG231D**	**(28-31)**	WG231_D	<0.001				<0.001				<0.001				<0.001				< 0.001		0.006		< 0.001	
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.001	
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I	0.002				0.001				<0.001				<0.001				0.028		<0.001		< 0.001	
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D	0.012				0.001				0.013				0.01				0.012		0.01		0.011	

Note: All concentrations in mg/L

Trichloroethene

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Sep-16	Mar-17	Sep-17	Mar-18	Sep-18	Mar-19	Sep-19	Mar-20	Sep-20	Feb-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23
N1	**3**	**BP04**	**6**	BP04_6															
			12	BP04_12															
			18	BP04_18															
			20	BP04_20															
			24	BP04_24															
			26	BP04_26															
			30	BP04_30															
N1	**3**	**WG229S**	**(8-11)**	WG229_S	< 0.001		< 0.001		< 0.005		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N1	**3**	**WG229I**	**(19-22)**	WG229_I	0.007		0.009				0.009				0.003				NS
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D	0.003		< 0.001				< 0.001				< 0.001				0.002
N1	**3**	**WG230S**	**(8-11)**	WG230_S			< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		0.001		0.001
N1	**3**	**WG230I**	**(18-21)**	WG230_I			< 0.001				< 0.001				< 0.001				< 0.001
N1	**3**	**WG230D**	**(30-33)**	WG230_D			0.291				0.003				0.001				< 0.001
N1	**3**	**WG231S**	**(8-11)**	WG231_S	< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N1	**3**	**WG231I**	**(16-19)**	WG231_I	< 0.001						0.004				0.008				0.004
N1	**3**	**WG231D**	**(28-31)**	WG231_D	< 0.001		< 0.001				< 0.001				< 0.001				< 0.001
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S	< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I	< 0.001		< 0.001				< 0.001				< 0.001				< 0.001
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D	0.004		0.041				0.002				0.002				< 0.001

Note: All concentrations in mg/L

Vinyl Chloride

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Aug-96	Aug 03 - Jan 04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08
N1	**3**	**BP04**	**6**	BP04_6	<0.01	<0.01	0.013	0.076	<0.01	<0.01	<0.01		<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
			12	BP04_12	0.017	0.022	<0.01	0.018	0.012	<0.01	0.01		0.02	<0.001	0.01	<0.01	0.03	0.03	<0.01	<0.01	0.05	0.110	<0.01	0.05		
			18	BP04_18			<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01			
			20	BP04_20																	<0.01					
			24	BP04_24	<0.01	<0.01	<0.01		<0.01	Blkd	<0.01		Blkd	<0.001	<0.01	<0.01	<0.01	<0.01			<0.01					
			26	BP04_26										0.07									<0.01			
			30	BP04_30	0.173	0.339	0.107	0.286	0.19	Blkd	0.06		Blkd	Blkd	0.1	0.28	0.57	0.79	0.12		0.310		<0.01			
N1	**3**	**WG229S**	**(8-11)**	WG229_S																					<0.001	<0.001
N1	**3**	**WG229I**	**(19-22)**	WG229_I																					<0.01	
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D																					<0.01	
N1	**3**	**WG230S**	**(8-11)**	WG230_S																						
N1	**3**	**WG230I**	**(18-21)**	WG230_I																						
N1	**3**	**WG230D**	**(30-33)**	WG230_D																						
N1	**3**	**WG231S**	**(8-11)**	WG231_S																					<0.001	<0.001
N1	**3**	**WG231I**	**(16-19)**	WG231_I																					<0.01	
N1	**3**	**WG231D**	**(28-31)**	WG231_D																					<0.01	
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S																					<0.001	<0.001
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I																					<0.01	
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D																					0.09	

Note: All concentrations in mg/L

Vinyl Chloride

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Jun-10	Sep-10	Dec-10	Mar-11	Jun-11	Sep-11	Dec-11	Mar-12	Jun-12	Sep-12	Dec-12	Mar-13	Jun-13	Sep-13	Mar-14	Sep-14	Mar-15	Sep-15
N1	**3**	**BP04**	**6**	BP04_6																							
			12	BP04_12																							
			18	BP04_18																							
			20	BP04_20																							
			24	BP04_24																							
			26	BP04_26																							
			30	BP04_30																							
N1	**3**	**WG229S**	**(8-11)**	WG229_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.001
N1	**3**	**WG229I**	**(19-22)**	WG229_I			<0.01				<0.01				<0.01				<0.01				< 0.01		<0.01		< 0.01
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D			<0.01				<0.01				<0.01				<0.01				< 0.01		<0.01		< 0.01
N1	**3**	**WG230S**	**(8-11)**	WG230_S			<0.01								<0.01												< 0.001
N1	**3**	**WG230I**	**(18-21)**	WG230_I			<0.01								<0.01												< 0.001
N1	**3**	**WG230D**	**(30-33)**	WG230_D			<0.01								0.08												< 0.01
N1	**3**	**WG231S**	**(8-11)**	WG231_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.001
N1	**3**	**WG231I**	**(16-19)**	WG231_I			<0.01				<0.01				<0.01								< 0.01		<0.01		< 0.01
N1	**3**	**WG231D**	**(28-31)**	WG231_D			<0.01				<0.01				<0.01				<0.01				< 0.01		<0.05		< 0.01
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.01
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I			<0.01				<0.01				0.02				<0.01				0.01		<0.01		< 0.01
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D			<0.01				<0.01				0.08				0.02				0.09		0.026		0.0454

Note: All concentrations in mg/L

Vinyl Chloride

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Sep-18	Mar-19	Sep-19	Mar-20	Sep-20	Feb-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23
N1	**3**	**BP04**	**6**	BP04_6																
			12	BP04_12																
			18	BP04_18																
			20	BP04_20																
			24	BP04_24																
			26	BP04_26																
			30	BP04_30																
N1	**3**	**WG229S**	**(8-11)**	WG229_S		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.01
N1	**3**	**WG229I**	**(19-22)**	WG229_I		< 0.01		< 0.01				< 0.01				< 0.01				NS
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D		< 0.01		< 0.01				< 0.01				< 0.01				< 0.001
N1	**3**	**WG230S**	**(8-11)**	WG230_S				< 0.01		< 0.001		< 0.001		< 0.01		< 0.01		< 0.01		0.0182
N1	**3**	**WG230I**	**(18-21)**	WG230_I				< 0.01				< 0.01				< 0.01				< 0.01
N1	**3**	**WG230D**	**(30-33)**	WG230_D				0.952				< 0.01				< 0.01				< 0.01
N1	**3**	**WG231S**	**(8-11)**	WG231_S		< 0.001		0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.01
N1	**3**	**WG231I**	**(16-19)**	WG231_I		< 0.01						< 0.01				< 0.01				< 0.01
N1	**3**	**WG231D**	**(28-31)**	WG231_D		< 0.01		< 0.01				< 0.01				< 0.01				< 0.01
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S		< 0.01		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I		< 0.01		< 0.0100				< 0.01				< 0.01				< 0.01
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D		0.0291		0.126				0.0376				0.0589				0.127

Note: All concentrations in mg/L

Carbon Tetrachloride

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Aug-96	Aug 03 - Jan 04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08
N1	**3**	**BP04**	**6**	BP04_6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
			12	BP04_12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
			18	BP04_18	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001			
			20	BP04_20																	<0.001					
			24	BP04_24	<0.001	<0.001	<0.001		<0.001	Blkd	<0.001		Blkd	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001					
			26	BP04_26									NS	<0.001									<0.001			
			30	BP04_30	<0.001	<0.02	<0.001	<0.005	<0.001	Blkd	<0.001		Blkd	Blkd	<0.005	<0.005	<0.005	<0.005	<0.005		<0.001		<0.001			
N1	**3**	**WG229S**	**(8-11)**	WG229_S																					<0.001	<0.001
N1	**3**	**WG229I**	**(19-22)**	WG229_I																					<0.001	
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D																					<0.001	
N1	**3**	**WG230S**	**(8-11)**	WG230_S																						
N1	**3**	**WG230I**	**(18-21)**	WG230_I																						
N1	**3**	**WG230D**	**(30-33)**	WG230_D																						
N1	**3**	**WG231S**	**(8-11)**	WG231_S																					<0.001	<0.001
N1	**3**	**WG231I**	**(16-19)**	WG231_I																					<0.001	
N1	**3**	**WG231D**	**(28-31)**	WG231_D																					<0.001	
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S																					<0.001	<0.001
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I																					<0.001	
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D																					<0.001	

Note: All concentrations in mg/L

Carbon Tetrachloride

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Jun-10	Sep-10	Dec-10	Mar-11	Jun-11	Sep-11	Dec-11	Mar-12	Jun-12	Sep-12	Dec-12	Mar-13	Jun-13	Sep-13	Mar-14	Sep-14	Mar-15	Sep-15
N1	**3**	**BP04**	**6**	BP04_6																							
			12	BP04_12																							
			18	BP04_18																							
			20	BP04_20																							
			24	BP04_24																							
			26	BP04_26																							
			30	BP04_30																							
N1	**3**	**WG229S**	**(8-11)**	WG229_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.001
N1	**3**	**WG229I**	**(19-22)**	WG229_I			<0.001				<0.001				<0.001				<0.001				< 0.001		<0.001		< 0.001
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D			<0.001				<0.001				<0.001				<0.001				< 0.001		<0.001		< 0.001
N1	**3**	**WG230S**	**(8-11)**	WG230_S			<0.001								<0.001												< 0.001
N1	**3**	**WG230I**	**(18-21)**	WG230_I			<0.001								<0.001												< 0.001
N1	**3**	**WG230D**	**(30-33)**	WG230_D			<0.001								<0.001												< 0.001
N1	**3**	**WG231S**	**(8-11)**	WG231_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.001
N1	**3**	**WG231I**	**(16-19)**	WG231_I			<0.001				<0.001				<0.001								< 0.001		<0.001		< 0.001
N1	**3**	**WG231D**	**(28-31)**	WG231_D			<0.001				<0.001				<0.001				<0.001				< 0.001		<0.005		< 0.001
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001		<0.001		< 0.001
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I			<0.001				<0.001				<0.001				<0.001				0.003		<0.001		< 0.001
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D			<0.001				<0.001				<0.001				<0.001				< 0.001		<0.001		< 0.001

Note: All concentrations in mg/L

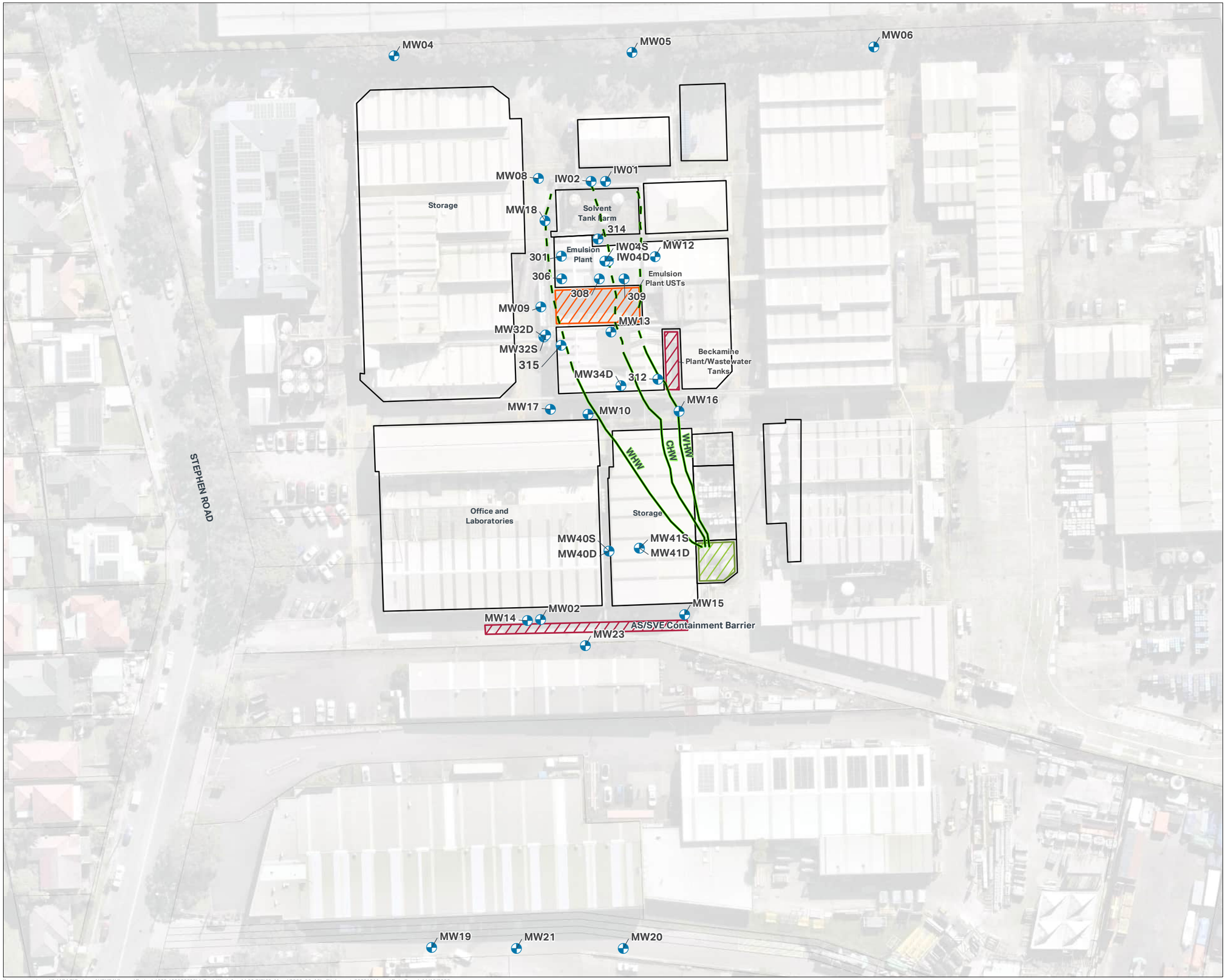
Carbon Tetrachloride

Plume Label	Post GTP Aquifer Contaminant Zone	Well / Piezometer ID	Sample Depths (m)	Sample ID	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Sep-18	Mar-19	Sep-19	Mar-20	Sep-20	Feb-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23
N1	**3**	**BP04**	**6**	BP04_6																
			12	BP04_12																
			18	BP04_18																
			20	BP04_20																
			24	BP04_24																
			26	BP04_26																
			30	BP04_30																
N1	**3**	**WG229S**	**(8-11)**	WG229_S		< 0.001		< 0.001		< 0.005		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N1	**3**	**WG229I**	**(19-22)**	WG229_I		< 0.001		< 0.001				< 0.001				< 0.001				NS
N1	**3**	**WG229D**	**(26.5-29.5)**	WG229_D		< 0.001		< 0.001				< 0.001				< 0.001				< 0.001
N1	**3**	**WG230S**	**(8-11)**	WG230_S				< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N1	**3**	**WG230I**	**(18-21)**	WG230_I				< 0.001				< 0.001				< 0.001				< 0.001
N1	**3**	**WG230D**	**(30-33)**	WG230_D				< 0.005				< 0.001				< 0.001				< 0.001
N1	**3**	**WG231S**	**(8-11)**	WG231_S		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N1	**3**	**WG231I**	**(16-19)**	WG231_I		< 0.001						< 0.001				< 0.001				< 0.001
N1	**3**	**WG231D**	**(28-31)**	WG231_D		< 0.001		< 0.001				< 0.001				< 0.001				< 0.001
N2/N3	**3**	**WG233S**	**(8-11)**	WG233_S		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001
N2/N3	**3**	**WG233I**	**(19-22)**	WG233_I		< 0.001		< 0.001				< 0.001				< 0.001				< 0.001
N2/N3	**3**	**WG233D**	**(29-32)**	WG233_D		< 0.001		< 0.005				< 0.001				< 0.001				< 0.001

Note: All concentrations in mg/L

Appendix D3

AECOM (2024) - Extracted Drawings, Summary Results Tables



AECOM

N

0 10 20 m

FIGURE F1:
SITE LAYOUT

Legend

- Sampling location
- As-built horizontal wells position: solid casing
- As-built horizontal wells position: screened casing
- Lot boundary

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Figure 3 Baseline GME (June 2017)

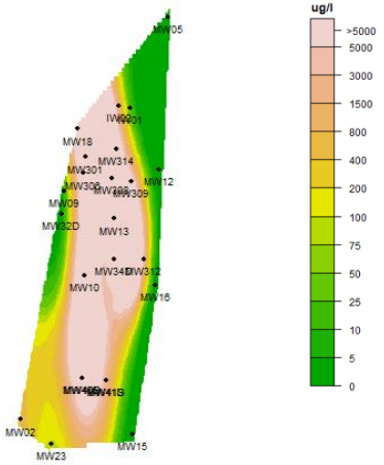


Figure 4 Performance GME 2 (November 2017)

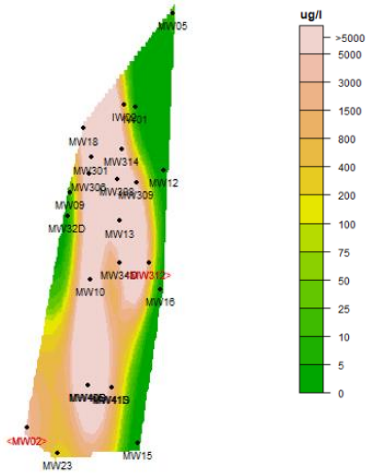


Figure 5 Performance GME 5 (July 2019)

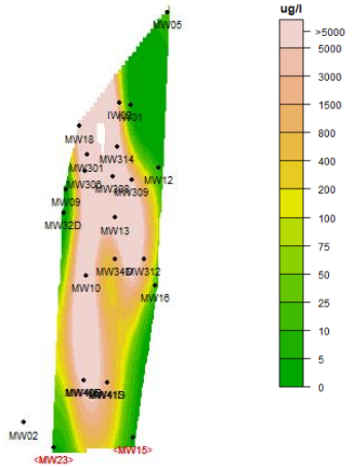


Figure 6 Performance GME 8 (August 2021)

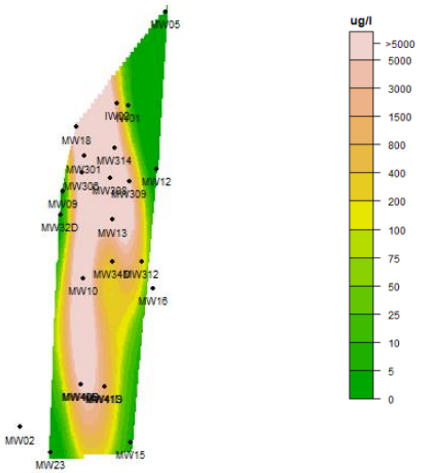


Figure 7 Performance GME 17 (November 2022)

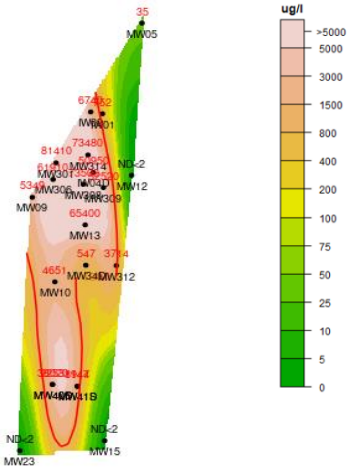


Figure 8 Performance GME 30 (December 2023)

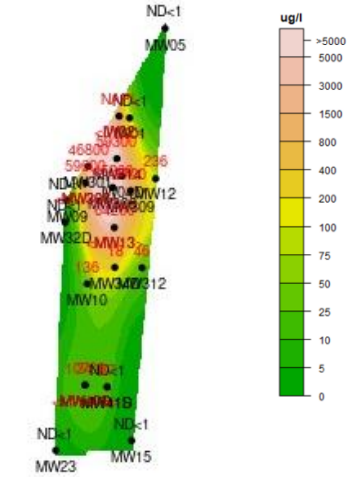


Figure J-1 Baseline GME (June 2017)

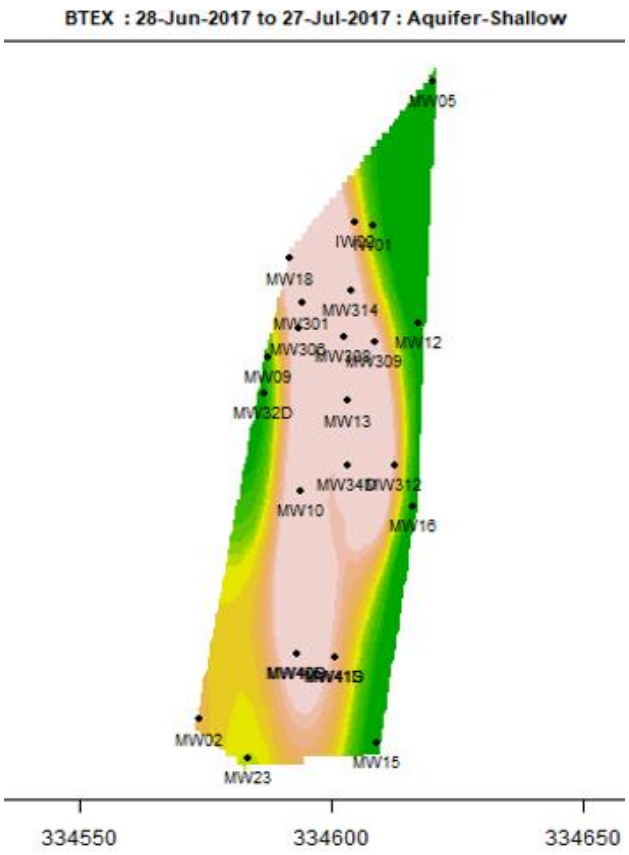


Figure J-2 Performance GME 1 (September 2017)

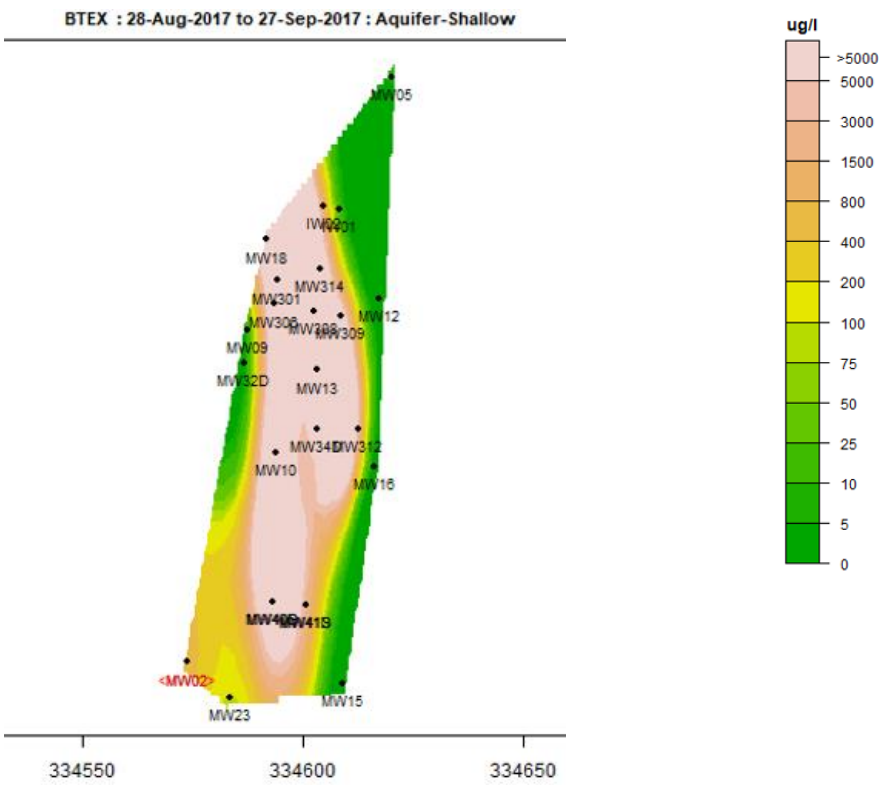


Figure J-3 Performance GME 2 (November 2017)

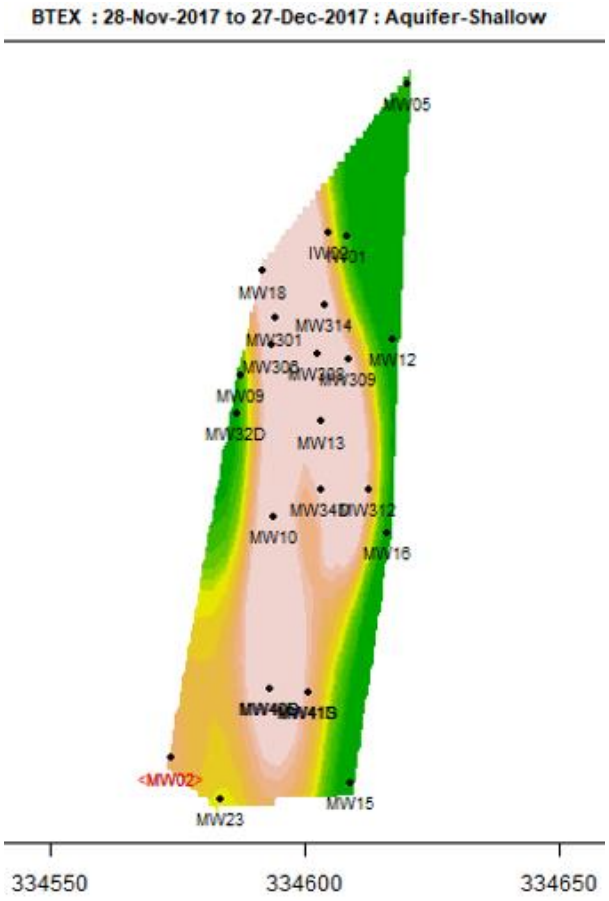
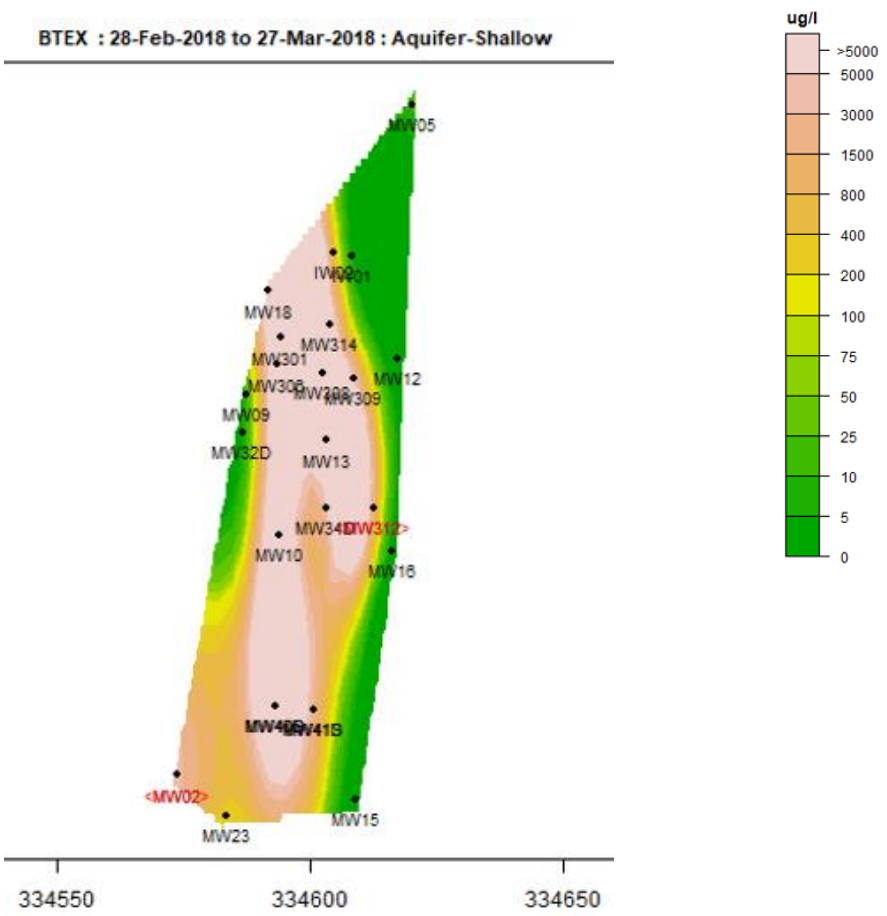


Figure J-4 Performance GME 3 (March 2018)



Notes: <RED> red well location in brackets indicate the sampled concentration value is significantly larger than the predictions of the spatiotemporal smoother

Figure J-5 Performance GME 4 (March 2019)

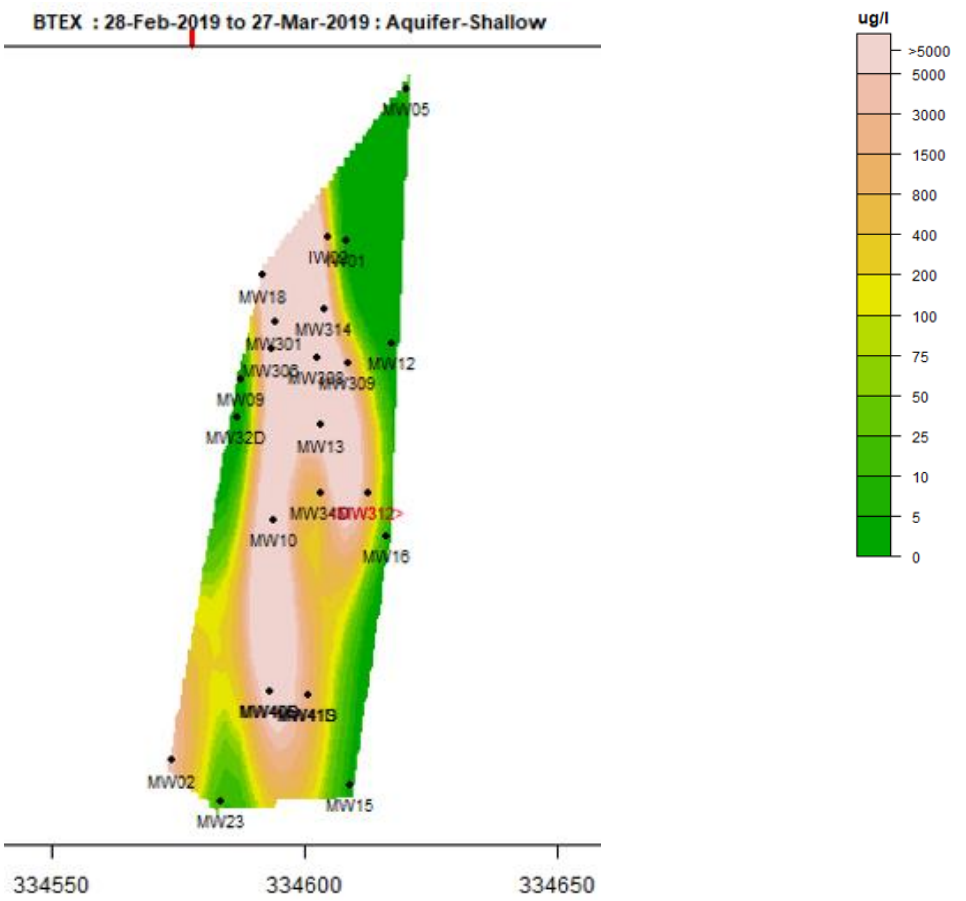
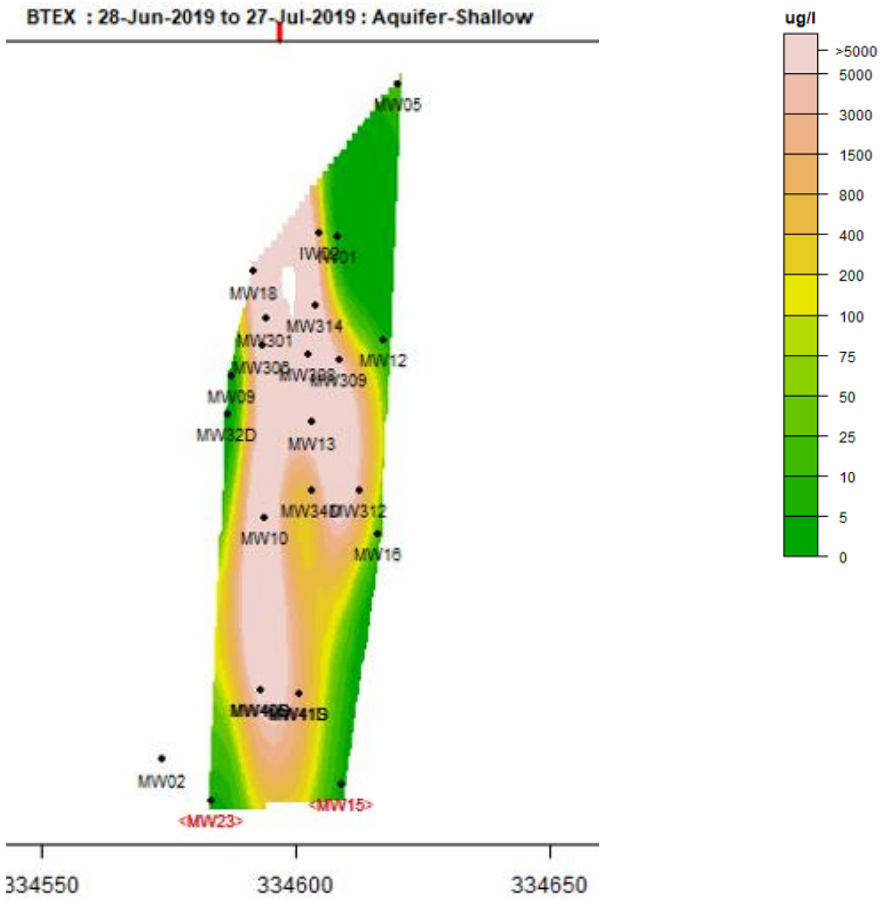


Figure J-6 Performance GME 5 (July 2019



Notes: <RED> red well location in brackets indicate the sampled concentration value is significantly larger than the predictions of the spatiotemporal smoother

Figure J-7 Performance GME 6 (November 2019)

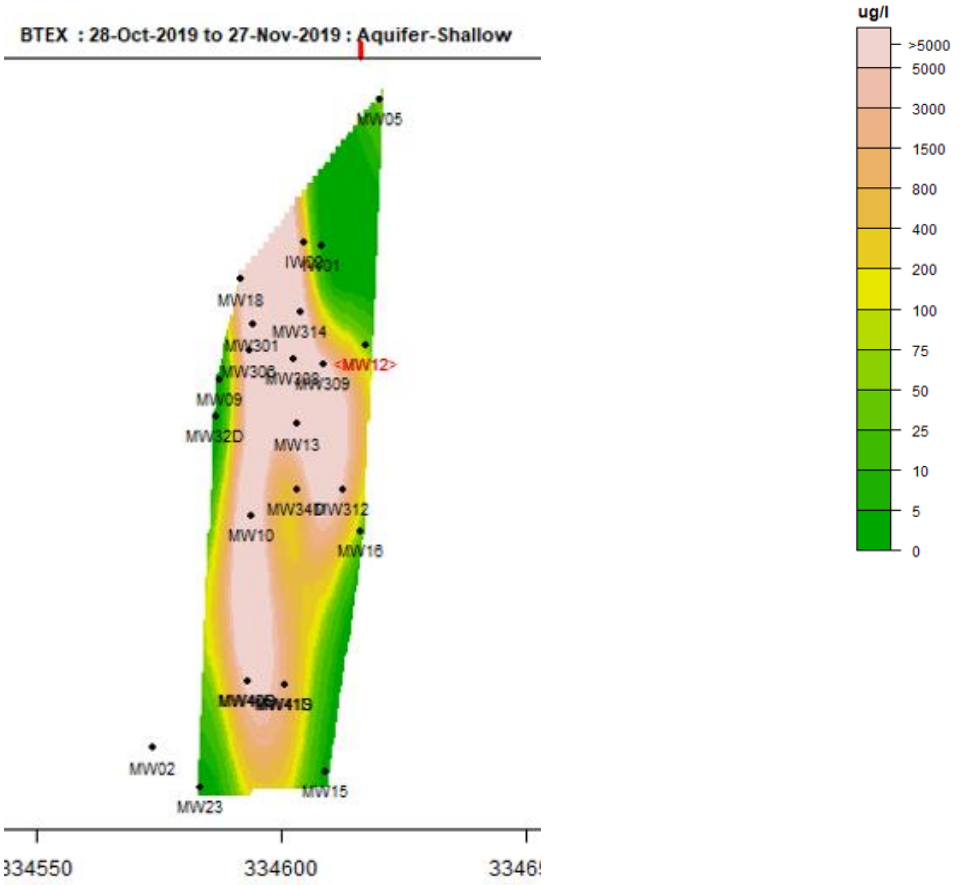
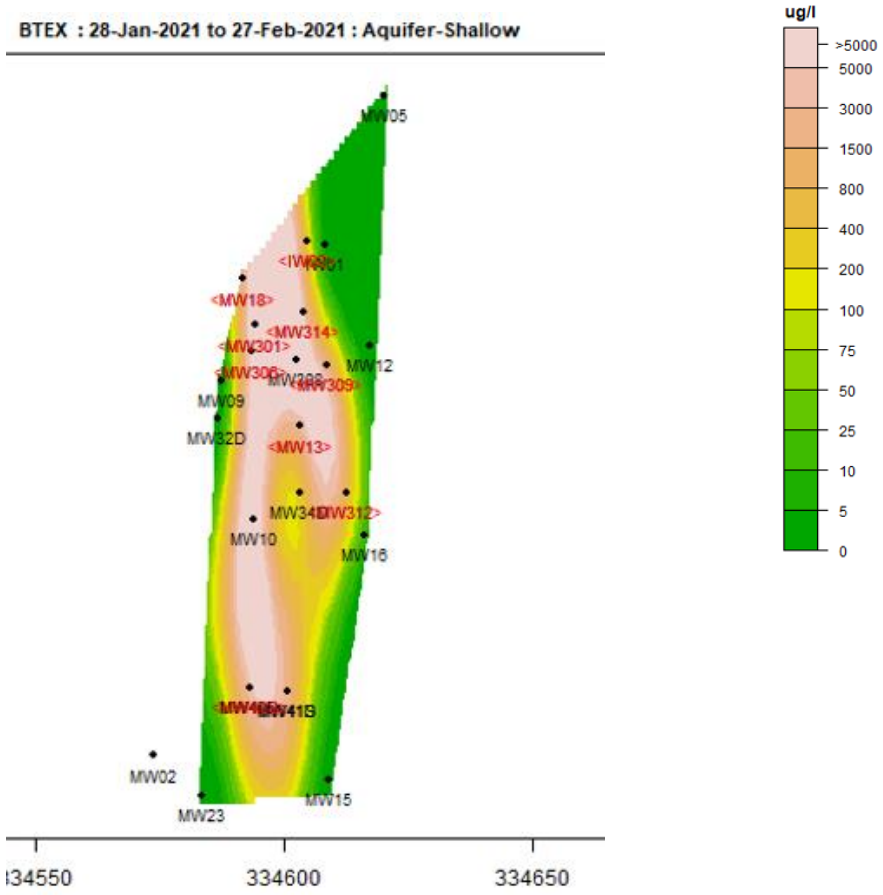


Figure J-8 Baseline GME 2021



Notes: <RED> red well location in brackets indicate the sampled concentration value is significantly larger than the predictions of the spatiotemporal smoother. All downgradient off-site monitoring wells were <LOR from 2020.

Figure J-9 Performance GME 3 (August 2021)

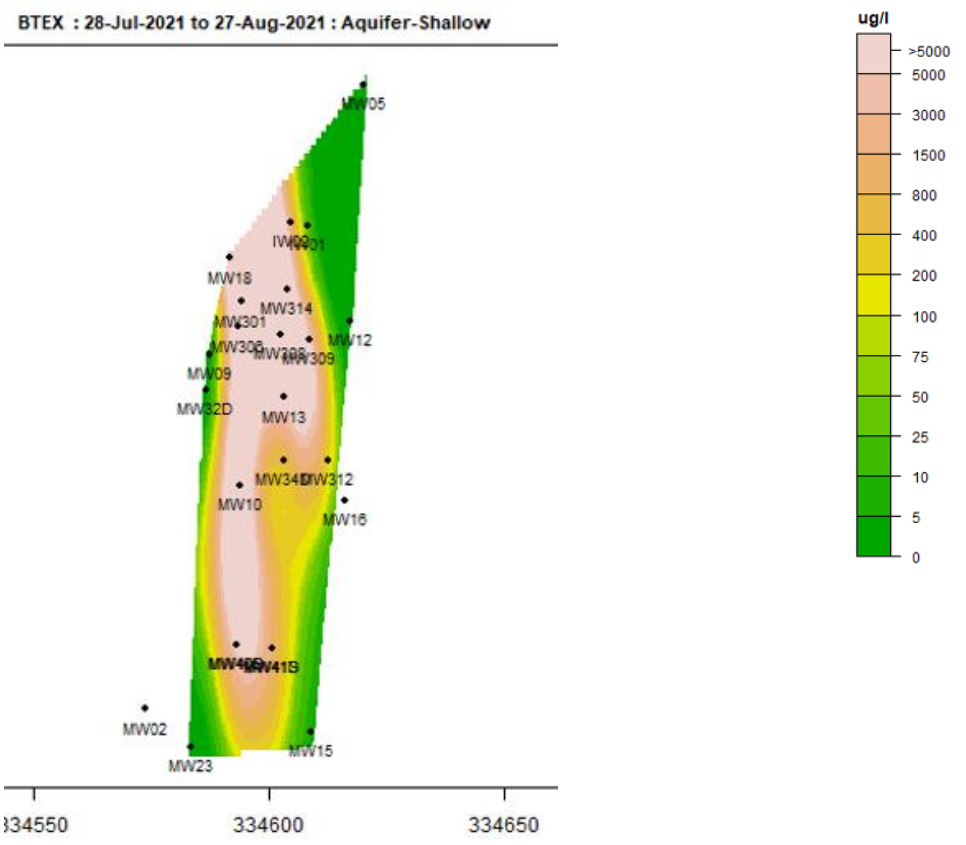
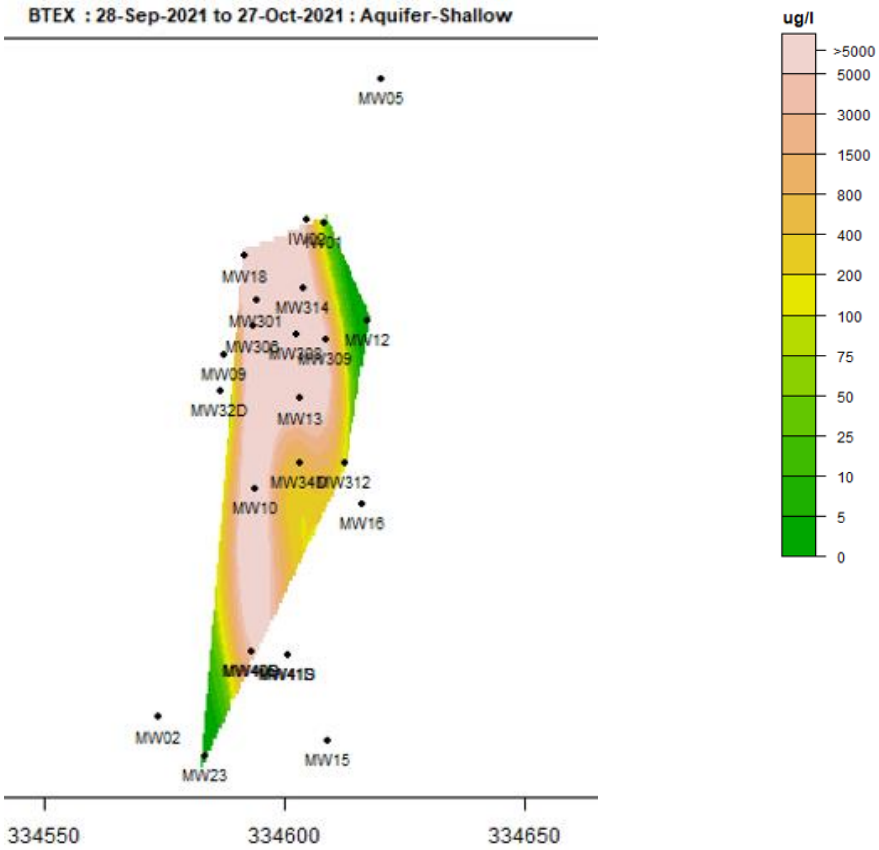


Figure J-10 Performance GME 4 (October 2021)



Notes: <RED> red well location in brackets indicate the sampled concentration value is significantly larger than the predictions of the spatiotemporal smoother. All downgradient off-site monitoring wells were <LOR from 2020.

Figure J-11 Performance GME 7 (January 2022).

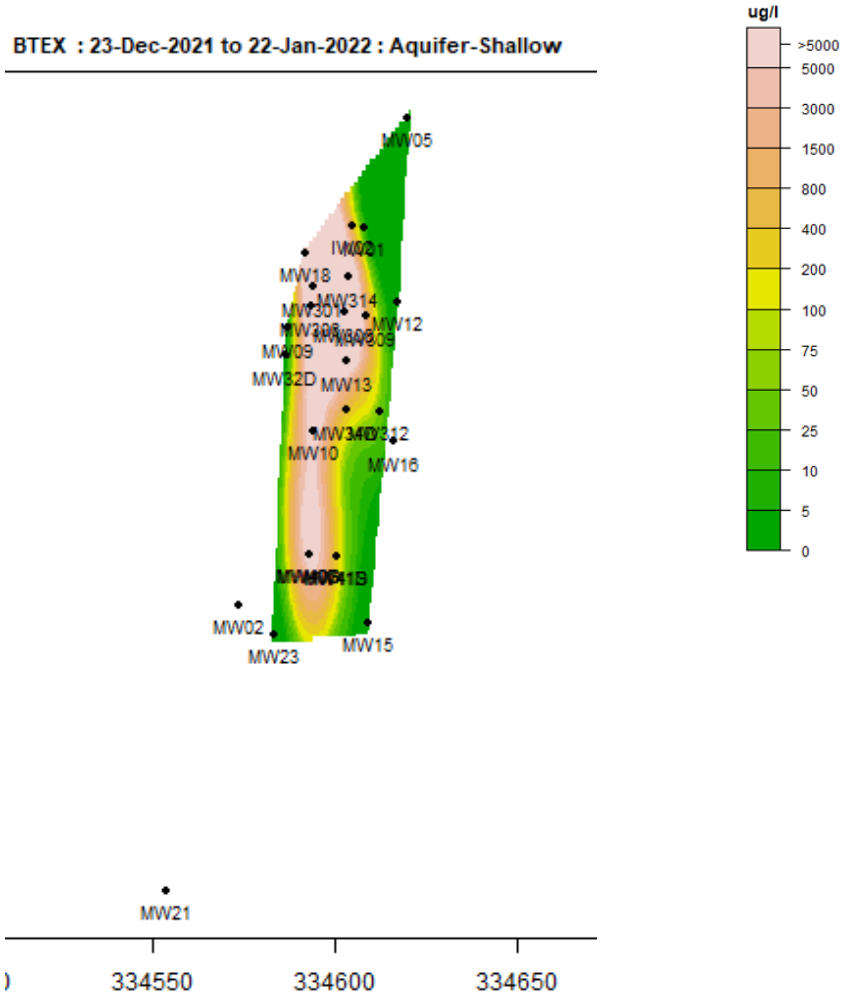


Figure 3-10. Performance GME 4 (October 2021).

Figure J-12 Performance GME 10 (April 2022)

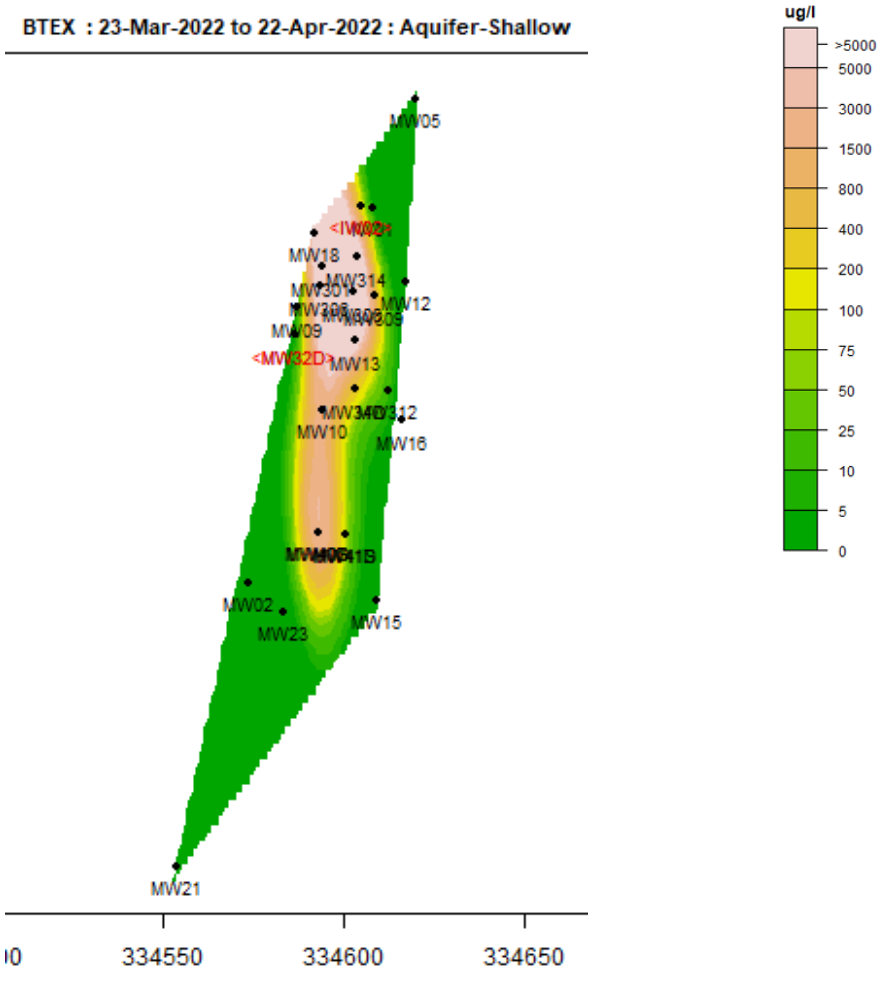


Figure J-13 Performance GME 13 (July 2022).

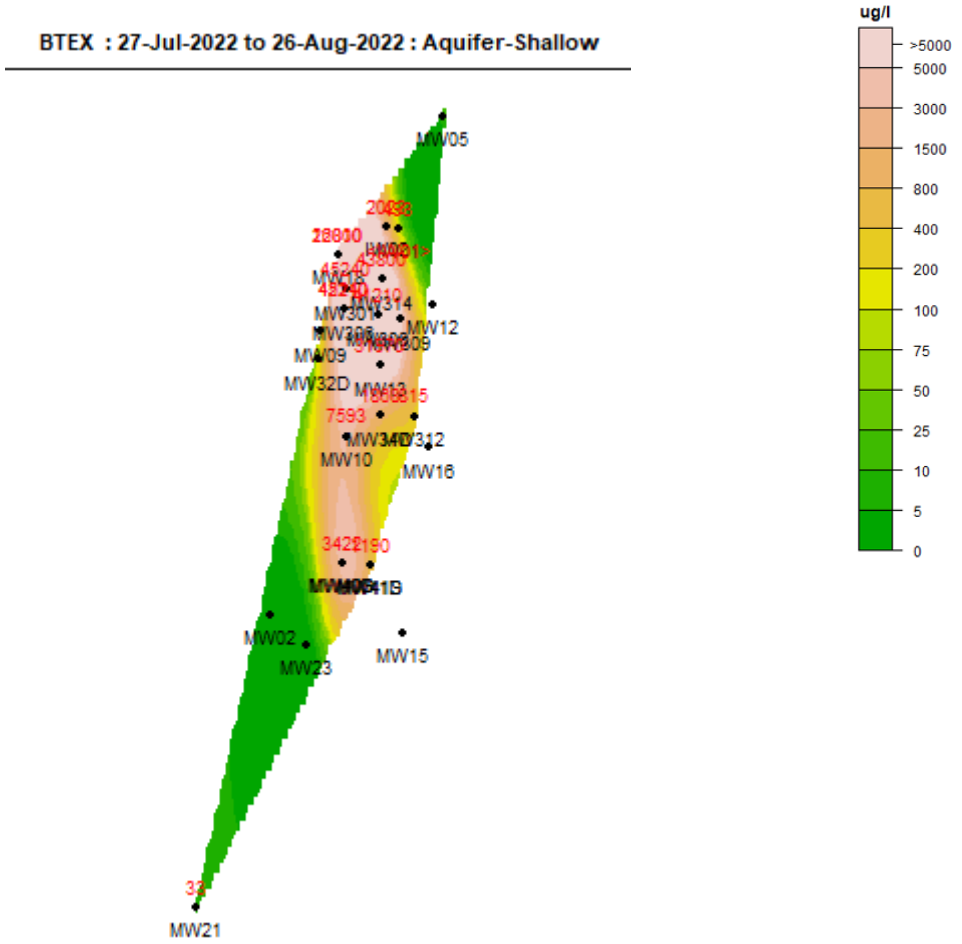


Figure 3-10. Performance GME 4 (October 2021).

Figure J-14 Performance GME 16 (October 2022)

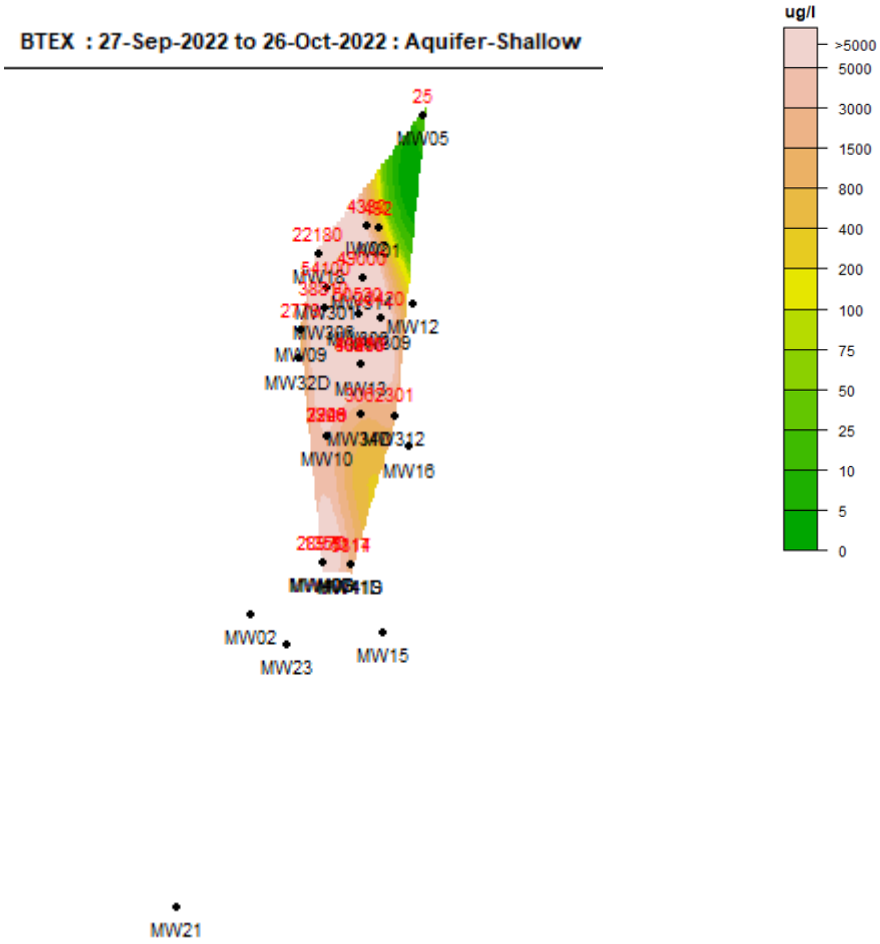


Figure J-15 Performance GME 17 (November 2022).

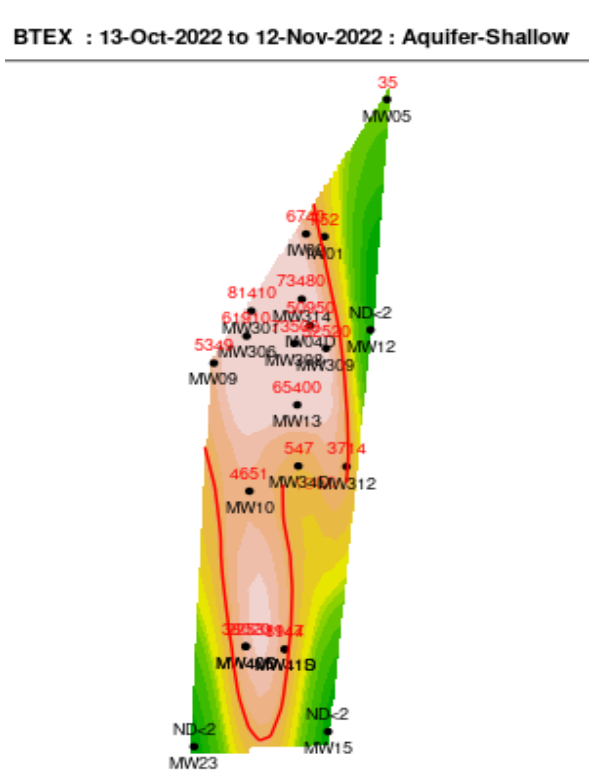
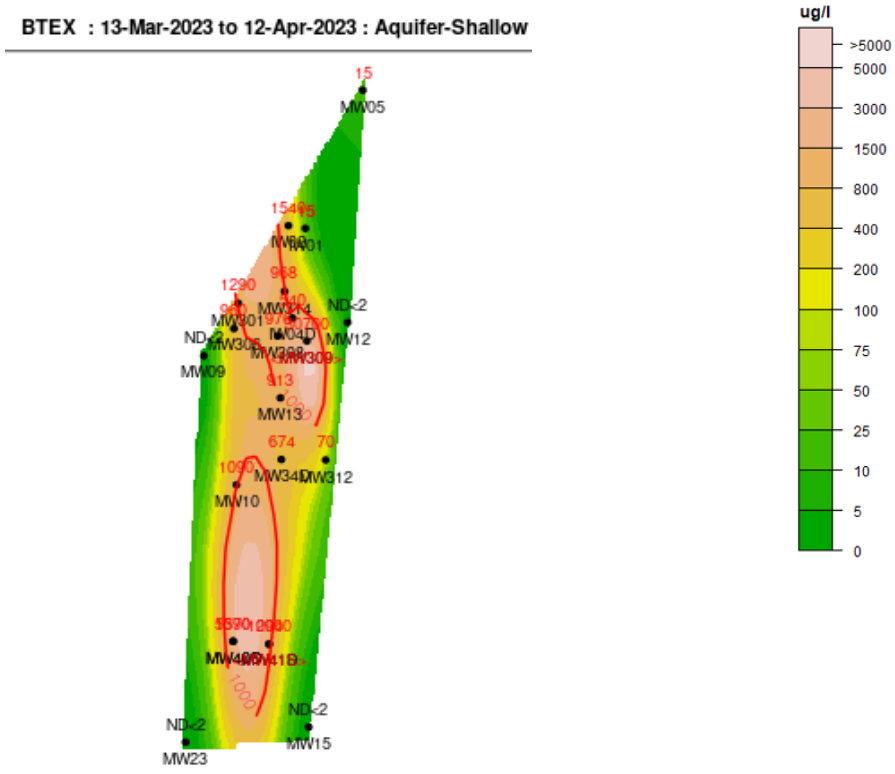


Figure 3-10 Performance GME 4 (October 2021).

Figure J-16 Performance GME 22 (April 2023)



Notes: <RED> red well location in brackets indicate the sampled concentration value is significantly larger than the predictions of the spatiotemporal smoother. All downgradient off-site monitoring wells were <LOR from 2020.

Figure J-17 Performance GME 30 (December2023)

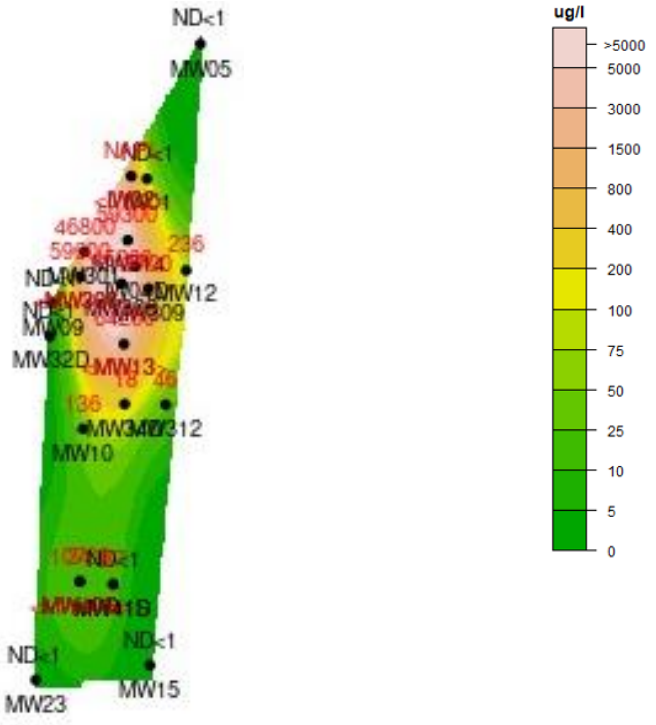


Figure 3-10. Performance GME 4 (October 2021).

Notes: <RED> red well location in brackets indicate the sampled concentration value is significantly larger than the predictions of the spatiotemporal smoother. All downgradient off-site monitoring wells were <LOR from 2020.

Table T1 - Groundwater Gauging

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

Well ID	Gauging Date	PID	Depth to LNAPL	Stabilised Depth to Water	Total Well Depth
		ppm	(mbtoc)	(mbtoc)	(mbtoc)
301	20/07/2023	312.8	-	4.795	8.05
	28/08/2023	1227	-	4.901	8.04
	21/09/2023	762.8	-	4.969	8.06
	12/10/2023	531.2	-	5.022	8.06
	15/11/2023	548.7	-	4.994	8.06
	14/12/2023	369.3	-	4.984	8.64
	11/01/2024	1386	-	4.863	8.35
	16/02/2024	NM	-	4.926	NM
	20/03/2024	NM	-	4.912	NM
306	18/05/2023	158.6	-	4.555	8.18
	20/06/2023	283.8	-	4.704	8.04
	20/07/2023	380.2	-	4.810	8.02
	28/08/2023	281.1	-	4.913	8.11
	21/09/2023	937	-	4.990	8.22
	12/10/2023	138	-	5.032	8.03
	15/11/2023	649.8	-	4.994	8.02
	14/12/2023	1242	-	4.992	8.14
	11/01/2024	2735	-	4.885	8.09
	16/02/2024	NM	-	4.940	NM
	20/03/2024	4003	-	4.797	NM
	19/04/2024	230	-	4.700	NM
308	18/05/2023	269.4	-	4.465	8.19
	20/06/2023	206.7	-	4.629	8.05
	20/07/2023	223.8	-	4.732	8.09
	28/08/2023	775.8	-	4.826	8.10
	21/09/2023	142.6	-	4.915	8.12
	12/10/2023	82.7	-	4.983	8.03
	15/11/2023	532.9	-	4.921	8.05
	14/12/2023	1015	-	4.925	8.18
	11/01/2024	1578	-	4.801	8.03
	16/02/2024	NM	-	4.860	NM
	20/03/2024	NM	-	4.690	NM
	19/04/2024	78.9		4.620	NM
309	20/07/2023	80.0	-	4.77	8.05
	21/09/2023	116.7	-	4.955	8.17
	12/10/2023	51.1	-	4.987	8.02
	15/11/2023	123.7	-	4.966	8.02
	14/12/2023	106.3	-	4.955	8.13
	11/01/2024	142.6	-	4.840	NM
312	20/07/2023	51.9	-	5.055	8.30
	28/08/2023	6.9	-	5.171	8.22
	21/09/2023	NM	-	4.995	8.36
	12/10/2023	3.1	-	5.265	8.55
	15/11/2023	18	-	5.441	8.59
	14/12/2023	30.4	-	5.241	8.28
	11/01/2024	NM	-	5.132	8.19
	16/02/2024	NM	-	5.200	NM
	20/03/2024	5.8	-	5.630	NM
314	18/05/2023	170.4	-	NM	NM
	20/07/2023	268.5	-	4.825	7.80
	28/08/2023	124.3	-	4.955	7.80
	21/09/2023	72.4	-	5.015	7.15
	12/10/2023	94.5	-	5.063	7.79
	15/11/2023	382.5	-	5.034	7.77
	14/12/2023	289.6	-	5.015	7.95
	11/01/2024	202.5	-	4.915	7.88
	16/02/2024	NM	-	4.88	NM
	20/03/2024	NM	-	4.920	NM
	28/08/2023	0.3	-	5.201	7.97
	21/09/2023	0.1	-	5.29	8.00

Table T1 - Groundwater Gauging

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

Well ID	Gauging Date	PID	Depth to LNAPL	Stabilised Depth to Water	Total Well Depth
		ppm	(mbtoc)	(mbtoc)	(mbtoc)
315	12/10/2023	0	-	5.305	9.27
	15/11/2023	0	-	5.288	8.02
	14/12/2023	0	-	5.293	8.00
	16/02/2024	NM	-	5.215	-
IW01	20/07/2023	0	-	4.63	7.94
	28/08/2023	0.3	-	4.482	8.93
	21/09/2023	0.3	-	4.842	8.03
	12/10/2023	0.7	-	4.985	7.99
	15/11/2023	0	-	4.849	7.89
	15/12/2023	0	-	4.865	7.86
	11/01/2024	2.7	-	4.715	7.96
	16/02/2024	NM	-	4.800	NM
	20/03/2024	NM	-	4.430	NM
	19/04/2024	0	-	4.555	NM
IW02	20/07/2023	25.8	-	4.711	8.14
	21/09/2023	24.8	-	4.900	8.18
	12/10/2023	28.6	4.93	4.970	NM
	15/11/2023	NM	4.88	5.430	NM
	15/12/2023	32.2	4.88	5.589	NM
	12/01/2024	NM	4.72	4.775	NM
	16/02/2024	NM	4.81	5.420	NM
	20/03/2024	56.4	4.64	5.270	NM
	19/04/2024	21.20	4.585	5.175	NM
IW04D	18/05/2023	142.60	-	NM	NM
	20/07/2023	41.4	-	4.798	6.17
	21/09/2023	171.8	-	4.990	6.18
	12/10/2023	308.9	-	5.075	6.25
	15/11/2023	697.9	-	5.034	6.24
	14/12/2023	421.9	-	5.001	6.17
	11/01/2024	NM	-	5.040	NM
MW05	20/07/2023	0.1	-	4.598	4.63
	15/11/2023	0	-	DRY	4.67
MW09	20/07/2023	0.1	-	4.841	5.47
	21/09/2023	0	-	5.008	5.51
	12/10/2023	0	-	5.059	5.50
	15/11/2023	0	-	5.026	5.50
	14/12/2023	0	-	5.031	5.49
	11/01/2024	NM	-	5.120	NM
MW10	18/05/2023	1.5	-	4.815	7.06
	20/06/2023	3.6	-	4.948	6.96
	20/07/2023	1	-	5.049	6.92
	28/08/2023	0.1	-	5.159	6.92
	21/09/2023	0.3	-	5.233	6.94
	12/10/2023	0.2	-	5.263	6.94
	15/11/2023	0	-	5.331	6.92
	14/12/2023	0	-	5.227	6.92
	11/01/2024	1.2	-	5.120	6.97
	16/02/2024	NM	-	5.175	NM
	20/03/2024	0	-	5.510	NM
	19/04/2023	0	-	4.940	NM
MW12	18/05/2023	3.5	-	NM	NM
	20/07/2023	0.1	-	4.771	5.94
	28/08/2023	0	-	4.888	5.93
	12/10/2023	0	-	4.997	5.91
	15/11/2023	0	-	4.969	NM
	15/12/2023	0	-	4.966	5.91
	11/01/2024	0.6	-	4.835	6.00
	16/02/2024	NM	-	4.910	NM
	20/03/2024	NM	-	4.870	NM
	18/05/2023	354.9	-	4.863	6.48
	20/06/2023	150.3	-	5.011	6.48

Table T1 - Groundwater Gauging

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

Well ID	Gauging Date	PID	Depth to LNAPL	Stabilised Depth to Water	Total Well Depth
		ppm	(mbtoc)	(mbtoc)	(mbtoc)
MW13	20/07/2023	1306	-	5.107	6.05
	28/08/2023	398.7	-	5.220	6.47
	21/09/2023	1379	-	5.238	6.27
	12/10/2023	121.6	-	5.330	6.45
	15/11/2023	800.1	-	5.301	6.46
	14/12/2023	193.4	-	5.305	6.38
	11/01/2024	125	-	5.195	6.49
	16/02/2024	NM	-	5.250	5.25
	20/03/2024	144.8	-	5.128	NM
	19/04/2024	124.3		5.040	NM
MW15	20/07/2023	0.1	-	4.741	6.33
	21/09/2023	0	-	4.919	6.32
	12/10/2023	0	-	5.128	6.30
	15/11/2023	0	-	5.112	6.29
	14/12/2023	0	-	5.085	6.30
	11/01/2024	NM	-	5.120	NM
MW16	20/07/2023	0.1	-	DRY	3.65
	15/11/2023	0	-	DRY	3.64
MW18	18/05/2023	33.6	-	4.521	5.87
	20/06/2023	185.1	-	4.675	5.90
	20/07/2023	232.2	-	4.798	5.90
	28/08/2023	114.1	-	4.891	5.90
	21/09/2023	1260	-	4.955	6.21
	12/10/2023	65.5	-	5.000	6.89
	15/11/2023	552.9	-	4.975	5.89
	14/12/2023	203.7	-	4.970	5.90
	11/01/2024	225.3	-	4.880	5.93
	16/02/2024	NM	-	4.915	NM
	20/03.24	NM	-	4.850	NM
	19/04/2024	216	-	4.700	NM
MW19	12/10/2023	0	-	6.138	7.92
MW20	12/10/2023	0.1	-	4.999	8.12
MW21	12/10/2023	0	-	5.700	7.18
MW23	20/07/2023	0.1	-	5.595	7.18
	21/09/2023	NM	-	5.516	7.15
	12/10/2023	0	-	5.606	7.18
	15/11/2023	0	-	5.710	7.16
	15/12/2023	0	-	5.525	7.13
	11/01/2024	0	-	5.442	7.25
	19/04/2024	0	-	5.330	NM
MW32D	20/07/2023	0	-	4.942	7.18
	21/09/2023	0	-	5.099	7.20
	12/10/2023	0.1	-	5.173	7.19
	15/11/2023	0	-	5.127	7.17
	14/12/2023	0	-	5.134	7.19
	11/01/2024	NM	-	5.120	NM
MW32S	20/07/2023	0.4	-	5.082	8.00
MW34D	18/05/2023	2.1	-	NM	NM
	20/07/2023	2.9	-	5.112	9.30
	28/08/2023	0.4	-	5.075	9.28
	21/09/2023	0.2	-	4.754	9.29
	12/10/2023	0.6	-	5.326	9.27
	15/11/2023	1.6	-	5.709	9.30
	11/01/2024	0.4	-	5.203	NM
	16/02/2024	NM	-	5.290	NM
	20/03/2024	NM	-	5.150	NM
MW40D	18/05/2023	38.4	-	4.975	10.09
	20/06/2023	5.1	-	5.129	9.89
	20/07/2023	23.8	-	5.239	9.85
	21/09/2023	1.2	-	5.395	10.01
	12/10/2023	1.2	-	5.405	9.83

Table T1 - Groundwater Gauging

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

Well ID	Gauging Date	PID	Depth to LNAPL	Stabilised Depth to Water	Total Well Depth
		ppm	(mbtoc)	(mbtoc)	(mbtoc)
	15/11/2023	1.3	-	5.405	9.83
	15/12/2023	0.4	-	5.405	9.95
	11/01/2024	NM	-	5.310	NM
	16/02/2024	NM	-	5.355	NM
MW40S	20/07/2023	0.1	-	5.235	6.89
	21/09/2023	1	-	5.050	7.02
	12/10/2023	0	-	5.427	6.86
	15/11/2023	0	-	5.401	6.74
	15/12/2023	0	-	5.415	6.96
	11/01/2024	NM	-	5.380	NM
MW41D	20/07/2023	66.8	-	5.211	9.85
	21/09/2023	0.8	-	5.370	10.00
	12/10/2023	0	-	5.322	9.83
	15/11/2023	0.6	-	5.404	9.82
	15/12/2023	11.6	-	5.377	9.83
	11/01/2024	NM	-	5.350	NM
	16/02/2024	NM	-	5.320	NM
MW41S	18/05/2023	7.2	-	4.920	6.98
	20/06/2023	6.8	-	5.077	6.78
	20/07/2023	3.8	-	5.190	6.76
	21/09/2023	0.4	-	5.355	6.89
	12/10/2023	0.4	-	5.373	6.63
	15/11/2023	0	-	5.364	6.78
	15/12/2023	0.3	-	5.372	6.84
	11/01/2024	NM	-	5.280	NM
	16/02/2024	NM	-	5.320	NM
	19/04/2024	0	-	5.090	NM

Notes
NM: Not measured
'-': Data not available
LNAPL: Light Non Aqueous Phase Liquid
mAHD: metres Australia Height Datum
mbtoc: metres below top of casing
SWL: Standing Water Level
Prepared by: JPR - 15/05/2024

Table T2 - Water Quality Parameters

Well ID	Monitoring Date	Dissolved Oxygen	Electrical Conductivity	Total Dissolved Solids[1]	pH	Redox Potential (Er) *Field Measurement*	Temperature
		mg/L	uS/cm	mg/L	pH units	mV	°C
301	18-05-23	0.59	258.5	155.1	4.82	-119.9	21.9
	20-06-23	1.54	276	165.6	5.37	-109.7	21.6
	20-07-23	0.14	311.6	186.96	5.4	-160.8	20.9
	28-08-23	0.6	362.8	217.68	5.44	-81.3	20.8
	21-09-23	0.12	370.6	222.36	5.27	-142.2	21.0
	12-10-23	0.27	333.4	200.04	5.49	-115.8	21.0
	15-11-23	10	1.9	1.14	5.62	-119.1	22.7
	14-12-23	1.36	320.4	192.24	5.48	-139.2	25.0
	11-01-24	0.44	388.1	232.86	5.43	-155.1	22.3
	16-02-24	0.68	350.7	210.42	5.5	-171.9	22.4
	20-03-24	0/95	360	216	5.43	-172.5	22.6
306	18-05-23	0.75	269.7	161.82	4.82	-182.6	21.3
	20-06-23	0.4	282.3	169.38	5.37	-157.2	21.4
	20-07-23	1.13	308.6	185.16	5.64	-228	20.7
	28-08-23	0.31	312.2	187.32	5.59	-93	20.5
	21-09-23	0.12	250.1	150.06	5.43	-111.1	20.5
	12-10-23	0.32	294.6	176.76	5.65	-124.1	20.7
	15-11-23	8.34	2.7	1.62	5.47	-90.2	22.3
	15-12-23	0	288.7	173.22	5.58	-221.3	21.9
	11-01-24	0.34	267.1	160.26	5.58	-164.1	22
	16-02-24	1.25	288	172.8	5.84	-170.5	22.1
	20-03-24	0.17	300.2	180.12	5.51	-175.4	22.3
	19-04-24	0.41	305.6	183.36	5.57	-183.7	22.2
308	18-05-23	0.33	198.0	118.8	5.01	-165.7	21.3
	20-06-23	0.27	127.0	76.2	5.44	-160.9	21.3
	20-07-23	1.44	163.5	98.1	5.79	-261.7	21.1
	28-08-23	0.51	90	54	5.79	-81.9	20.4
	21-09-23	0.07	80.1	48.06	5.44	-84.4	20.8
	12-10-23	0	101.6	60.96	4.59	-108.2	20.4
	15-11-23	0	105	63	4.72	-91.5	20.6
	14-12-23	0.54	104	62.4	5.62	-197.2	21.6
	11-01-24	0.24	94.4	56.64	5.34	-144.2	21.5
	16-02-24	0.29	149.3	89.58	5.32	-151.4	21.6
	20-03-24	0.13	247.5	148.5	5.39	-190.8	21.8
	19-04-24	0.27	266	159.6	5.41	-171.3	21.5
309	20-07-23	1.43	344.4	206.64	6.11	-275.4	20.8
	21-09-23	0.06	246.8	148.08	5.92	-138.1	20.5
	12-10-23	0.05	321.9	193.14	5.2	-181.7	20.3
	15-11-23	0	180.2	108.12	5.06	-148.1	20.4
	14-12-23	0	339.4	203.64	6.07	-275.9	21.5
	11-01-24	0.63	334.2	200.52	5.92	-224.8	20.9
312	18-05-23	1.22	313.5	188.1	5.95	-116.2	21.7
	20-06-23	7.53	331.6	198.96	6.16	10.9	21.6
	20-07-23	11.3	252.8	151.68	6.79	39.9	21.5
	28-08-23	0.52	407.4	244.44	6.62	-48.3	20.4
	21-09-23	0.17	289.8	173.88	6.32	-29.3	20.8
	12-10-23	0	337.9	202.74	5.22	64.4	21.0
	15-11-23	3.98	327.1	196.26	6.32	26	21.6
	14-12-23	0	446.1	267.66	6.56	-115	25.0
	11-01-24	2.3	252.8	151.68	6.31	47.4	21.7
	16-02-24	0.16	351.7	211.02	6.52	-70	21.6
	20-03-24	1.33	369.6	221.76	6.42	38.4	21.8
314	18-05-23	0.44	437.2	262.32	5.76	-234.7	22.2
	20-06-23	0.79	320	192	5.67	-179.6	21.7
	20-07-23	1.44	343.6	206.16	5.91	-224.3	21.1
	28-08-23	1.1	412.3	247.38	6.06	-157.6	20.5
	21-09-23	0.25	315.5	189.3	5.95	-148.5	20.4
	12-10-23	0.12	3.8	2.28	4.84	-126	20.7
	15-11-23	0	444.8	266.88	5.35	-158.9	20.9
	15-12-23	0.37	478.5	287.1	6.04	-277.4	23.7
	11-01-24	0.95	397.7	238.62	5.79	-230.2	21.7
	16-02-24	0.71	398.5	239.1	5.73	-189.2	22.5
	20-03-24	1.04	411.1	246.66	5.75	-236.5	22.5

Table T2 - Water Quality Parameters

Well ID	Monitoring Date	Dissolved Oxygen	Electrical Conductivity	Total Dissolved Solids[1]	pH	Redox Potential (Er) *Field Measurement*	Temperature
		mg/L	uS/cm	mg/L	pH units	mV	°C
315	18-05-23	1.15	196.6	117.96	5	-116.2	21.9
	20-06-23	1.11	245.9	147.54	5.78	-3	21.6
	28-08-23	1.09	254.5	152.7	6.03	-7.4	20.3
	21-09-23	0.34	344.2	206.52	6.02	-40.1	20.3
	12-10-23	1.35	242	145.2	6.01	-8.7	20.3
	15-11-23	2.93	347.8	208.68	5.82	-23.7	21.3
	14-12-23	0	190.1	114.06	5.72	132.7	21.6
	11-01-24	2.31	143.7	86.22	5.29	-0.2	22
	16-02-24	0.7	159.1	95.46	5.63	-37	22.5
	20-03-24	0.28	223.8	134.28	5.83	-179.6	23
IW01	20-06-23	0.35	398.3	238.98	6.01	-101.2	20.9
	20-07-23	2.22	328.8	197.28	6.38	-49.2	19.8
	28-08-23	0.68	368.2	220.92	6.23	-34	19
	21-09-23	0.08	303.7	182.22	6.09	-85	19.3
	12-10-23	0.13	331.9	199.14	6.37	-155	19.8
	15-11-23	0.39	408.9	245.34	6.02	-117.1	20.8
	15-12-23	0.2	402	241.2	6.28	-248.2	21.5
	11-01-24	1.76	381.5	228.9	6.02	-150.8	21.5
	16-02-24	0.7	366.3	219.78	6.21	-86.8	21.7
	20-03-24	0	276.3	165.78	6.19	-111.9	21.8
	19-04-24	1.3	342.9	205.74	6.03	-170.6	22.1
IW02	20-07-23	0	252.9	151.74	5.79	-192.2	18.2
	21-09-23	0.39	367.8	220.68	5.88	-167.5	20.8
	12-10-23	NM	NM	NM	NM	NM	NM
	15-11-23	NM	NM	NM	NM	NM	NM
	15-12-23	NM	NM	NM	NM	NM	NM
	11-01-24	NM	NM	NM	NM	NM	NM
	16-02-24	NM	NM	NM	NM	NM	NM
	20-03-24	NM	NM	NM	NM	NM	NM
	19-04-24	NM	NM	NM	NM	NM	NM
IW04D	20-07-23	0	70.2	42.12	5.41	-100	20.4
	21-09-23	0.08	98.5	59.1	5.57	-95.3	20.5
	12-10-23	0.2	92.7	55.62	5.58	-77.8	20.4
	15-11-23	1.35	100.6	60.36	5.31	-111.8	21.2
	14-12-23	1.28	232	139.2	5.28	-122.3	22
	11-01-24	0.52	398.8	239.28	5.9	-209.7	22.1
MW05	20-07-23	NM	NM	NM	NM	NM	NM
	15-11-23	NM	NM	NM	NM	NM	NM
MW09	20-07-23	0	262.3	157.38	5.99	-16.9	19.9
	21-09-23	0.14	234.2	140.52	5.84	-39.3	20.1
	12-10-23	NM	NM	NM	NM	NM	NM
	15-11-23	0.24	334.6	200.76	5.94	-5.4	21
	14-12-23	0.8	283.2	169.92	6.02	30.3	22.8
	11-01-24	0.64	201.7	121.02	5.51	-12.7	22.7
MW10	18-05-23	0.04	354.5	212.7	6.12	-139.1	21.3
	20-06-23	0.61	375.3	225.18	6.52	-126.1	21.3
	20-07-23	2.91	314.7	188.82	6.63	-83.4	20.5
	28-08-23	0.53	433	259.8	6.9	-98	20.6
	21-09-23	0.03	446.9	268.14	6.84	-183.4	20.8
	12-10-23	0.19	488	292.8	6.99	-49.3	20.7
	15-11-23	1.49	467.4	280.44	6.75	-49.5	22.4
	14-12-23	0	583	349.8	7.12	-180.9	23.2
	11-01-24	1.3	655	393	6.8	-193.3	22.8
	16-02-24	1.01	876	525.6	7.14	-36.8	23
	20-03-24	0.46	696	417.6	6.87	88.4	23.2
	19-04-24	3.4	740	444	6.86	-95.7	22.6
MW12	18-05-23	6.80	480.2	288.12	6.34	44.4	21.7
	20-06-23	4.98	446.3	267.78	6.59	0.2	21.2
	20-07-23	5.01	488.1	292.86	6.97	32.9	20.7
	28-08-23	5.53	499.1	299.46	6.9	-18.2	19.8
	21-09-23	0.9	395.1	237.06	6.53	-29.7	19.8
	12-10-23	3.19	490.1	294.06	5.9	35.9	19.7
	15-11-23	1.55	463.2	277.92	6.24	-12.9	20.3
	14-12-23	0.3	452.7	271.62	6.35	-44.3	20.9
	11-01-24	1.06	305.5	183.3	6.26	104.8	20.7
	16-02-24	4.1	-	-	6.23	-182.3	20.9
	20-03-24	0/74	447.8	268.68	6.11	-179.5	21.4

Table T2 - Water Quality Parameters

Well ID	Monitoring Date	Dissolved Oxygen	Electrical Conductivity	Total Dissolved Solids[1]	pH	Redox Potential (Er) *Field Measurement*	Temperature
		mg/L	uS/cm	mg/L	pH units	mV	°C
MW13	18-05-23	0.32	763	457.8	5.72	-171.8	22.2
	20-06-23	0.7	752	451.2	5.73	-151.8	21.2
	20-07-23	1.91	551	330.6	5.73	-220.2	20.6
	28-08-23	0.76	551	330.6	5.72	-92.1	20.3
	21-09-23	0.92	434.6	260.76	5.64	-84.2	20.8
	12-10-23	0.38	494.7	296.82	5.8	-131.3	20.6
	15-11-23	0.44	329.3	197.58	5.75	-105.2	21.6
	14-12-23	2.29	349.3	209.58	5.72	-195.1	22.4
	11-01-24	0.29	387.6	232.56	5.59	-151.5	23
	16-02-24	2	513	307.8	6	-184.7	23.4
	20-03-24	0.79	490.1	294.06	5.72	-186	23.5
	19-04-23	0.47	512	307.2	5.84	-205.6	20.5
MW15	20-07-23	9.87	238.8	143.28	6.95	-7.1	18.9
	21-09-23	8.1	240.7	144.42	6.84	-3.8	18.8
	12-10-23	8.28	240.9	144.54	7.15	-46.3	19.3
	15-11-23	7.99	265.5	159.3	6.29	23.3	20.3
	14-12-23	9.7	274.6	164.76	6.75	110.5	21.4
	11-01-24	9.95	289.6	173.76	6.61	80.7	20.7
MW16	20-07-23	NM	NM	NM	NM	NM	NM
	15-11-23	NM	NM	NM	NM	NM	NM
MW18	18-05-23	1.35	371.5	222.9	5.61	-187.9	21.3
	20-06-23	0.35	337.4	202.44	5.45	-174.8	20.8
	20-07-23	0.99	404.4	242.64	6.01	-280	19.2
	28-08-23	0.55	401.8	241.08	6.07	-119.1	20.3
	21-09-23	0.13	357.1	214.26	5.62	-81.1	20.4
	12-10-23	0.1	2.6	1.56	5.72	-74.3	21.2
	15-11-23	0	420.5	252.3	5.26	-132.1	21.3
	14-12-23	0.51	387.6	232.56	5.97	-122.2	23.9
	11-01-24	0.47	361.1	216.66	5.9	-190.6	22.5
	16-02-24	0.82	374.1	224.46	5.98	-171.6	22.8
	20-03-24	0.9	2.9	1.74	5.7	-125.6	22.3
	19-04-24	0.8	341.1	204.66	5.9	-184.7	20.9
MW19	12-10-23	1.0	294.1	176.46	6.2	-38.4	21
MW20	12-10-23	0.38	138.1	82.86	6.37	-18.3	20.5
MW21	12-10-23	0.22	338.1	202.86	6.03	-14.5	20.6
MW23	20-07-23	7.4	107.2	64.32	6.68	-0.1	19.5
	21-09-23	7.58	152.9	91.74	6.49	47.4	19.3
	12-10-23	7.62	180.9	108.54	7.15	-30.2	19.8
	15-11-23	5.58	159.2	95.52	6.74	10.8	20
	15-12-23	0	159.8	95.88	7.01	-17.9	21.3
	11-01-24	10.37	98.7	59.22	6.82	23.2	22.5
	19-04-23	2.27	216.4	129.84	6.98	6.3	22.5
MW32D	20-07-23	0.18	638	382.8	6.02	-192	20.4
	21-09-23	0.15	474.3	284.58	6.21	-141.5	20.7
	12-10-23	0.35	429.3	257.58	6.28	-132.2	20.5
	15-11-23	2.7	472.4	283.44	6.17	-119.2	21.3
	14-12-23	0.16	447.8	268.68	6.15	-151.3	22
	11-01-24	0.64	426.3	255.78	5.95	-130.3	22.3
MW32S	20-07-23	1.71	295.4	177.24	5.94	-82.1	20.4
MW34D	18-05-23	0.38	270.9	162.54	6.22	-14.3	21.4
	20-06-23	1.31	333.4	200.04	6.16	-135	21.9
	20-07-23	3.27	376.3	225.78	6.33	-162.4	21.3
	28-08-23	0.64	409.7	245.82	6.43	-96.6	21.6
	21-09-23	0.44	395.7	237.42	6.43	-155.1	21.7
	12-10-23	0.22	362.2	217.32	6.36	-140.9	21.6
	15-11-23	2.01	376.1	225.66	6.41	-101.9	22.1
	11-01-24	2.25	325.9	195.54	6.01	-90.9	22.8
	16-02-24	1.3	362.5	217.5	6.14	-214	22.8
	20-03-24	0.95	359.7	215.82	6.13	-199.7	22.6
MW40D	18-05-23	0	227.9	136.74	5.21	-141.4	20.6
	20-06-23	0.61	259.3	155.58	6.06	-163.2	20.5
	20-07-23	0.96	618	370.8	5.89	-141.7	20.6
	21-09-23	0.04	279	167.4	5.83	-125.1	20.4
	12-10-23	0.0	378.9	227.34	5.05	-121.6	20.4
	15-11-23	0.0	715	429	4.8	-84.4	20.5
	15-12-23	0.3	437.2	262.32	5.26	-128.3	21.2
	11-01-24	0.1	372.2	223.32	4.91	-146.7	20.9
	16-02-24	0.2	282.3	169.38	6.17	-270.4	21.3

Table T2 - Water Quality Parameters

Well ID	Monitoring Date	Dissolved Oxygen	Electrical Conductivity	Total Dissolved Solids[1]	pH	Redox Potential (Er) *Field Measurement*	Temperature
		mg/L	uS/cm	mg/L	pH units	mV	°C
MW40S	20-07-23	0.0	271.8	163.08	6.04	-201.7	20
	21-09-23	0.1	228.9	137.34	5.92	-122.5	19.8
	12-10-23	0.03	316.7	190.02	5.25	-149.6	20.8
	15-11-23	0.1	274.5	164.7	6.08	-122.4	20.5
	15-12-23	0	243.4	146.04	6.02	-201.3	21.1
	11-01-24	0.62	224.7	134.82	6.04	-208.3	21.1
MW41D	20-07-23	0.99	854	512.4	5.58	-151.7	20.8
	21-09-23	0.09	269.8	161.88	5.39	18.6	20.5
	12-10-23	0.87	341	204.6	4.83	58.0	20.5
	15-11-23	2.37	411.9	247.14	5.34	-28.2	20.9
	15-12-23	0.47	336.2	201.72	6.1	-71.8	22.6
	11-01-24	2.33	263.5	158.1	5.78	-4.8	21
	16-02-24	4.17	254.9	152.94	4.7	174.5	21.3
MW41S	20-07-23	0.0	289.6	173.76	5.8	-161.2	20.2
	21-09-23	0.05	203.7	122.22	5.61	-13.8	20.5
	12-10-23	0.59	256	153.6	4.68	39.9	20.6
	15-11-23	2.15	262.5	157.5	5.03	66.5	20.9
	15-12-23	1.11	260.9	156.54	5.55	-81.2	21.2
	11-01-24	0.17	242.6	145.56	5.29	-26.4	21.3
	16-02-24	1.2	267.8	160.68	5.18	101.8	21.5
	19-04-24	4.08	305	183	5.22	81.8	21.9

(1) TDS approximated as Electrical Conductivity x 0.6
DO = Dissolved Oxygen (mg/L = milligrams per liter)
EC = Electrical Conductivity (µS/cm = microsiemens per centimetre)
ORP = Oxidation reduction potential (or Redox) (mV = millivolts)
Prepared by: N.Tomlin - 16/11/2023

Table T3 - Groundwater Analytical Results

				Total Recoverable Hydrocarbons							Monocyclic Aromatic Hydrocarbons								Total Petroleum Hydrocarbons				
				C6-C10 fraction	C6-C10 fraction (minus BTEX)(F1)	>C10-C16 (minus Naphthalene)(F2)	>C10-C16 fraction	>C16-C34 fraction	>C34-C40 fraction	>C10-C40 fraction (sum)	Naphthalene (used F2 calc)	Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	Total BTEX	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
				20	20	100	100	100	100	100	5	1	2	2	2	2	2	1	20	50	100	50	50
Location_Code	**Sample_Type**	**Field_ID**	**Sampled_Date_Time**																				
301	Primary	301_231214	14/12/2023	65,900	19,100	9760	9820	1560	<100	11,400	55	<50	15,600	4940	17,200	9050	26,200	46,800	58,100	16,300	1630	210	18,100
306	Primary	306_231214	14/12/2023	77,400	17,800	9350	9480	270	<100	9750	129	57	20,100	13,700	17,600	8150	25,800	59,600	70,000	13,600	550	<50	14,200
308	Primary	308_231214	14/12/2023	62,600	17,400	2630	2840	<100	<100	2840	208	<50	14,600	5720	16,400	8490	24,900	45,200	54,600	8040	150	<50	8190
309	Primary	309_231214	14/12/2023	18,200	9500	1000	1120	<100	<100	1120	124	<20	398	1040	5050	2210	7260	8700	11,400	3300	<100	<50	3300
312	Primary	312_231214	14/12/2023	90	40	1200	1210	1010	120	2340	6	<1	6	6	7	27	34	46	60	1190	890	300	2380
314	Primary	314_231214	14/12/2023	78,500	19,200	3280	3430	130	<100	3560	152	<50	12,800	17,300	19,900	9300	29,200	59,300	70,800	7230	450	<50	7680
315	Primary	315_231214	14/12/2023	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	<50	<100	<50	<50
IW01	Primary	IW01_231215	15/12/2023	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	80	<100	<50	80
IW04D	Primary	IW4D_231214	14/12/2023	45,400	19,500	6750	7090	180	<100	7270	344	<20	6260	1360	10,400	7870	18,300	25,900	29,000	14,300	540	<50	14,800
MW09	Primary	MW09_231214	14/12/2023	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	<50	<100	<50	<50
MW10	Primary	MW10_231115	15/11/2023	390	150	<100	<100	<100	<100	<100	<5	<1	<2	87	112	37	149	236	330	<50	<100	<50	<50
MW10	Primary	MW10_231214	14/12/2023	180	40	<100	<100	<100	<100	<100	<5	<1	<2	58	66	12	78	136	140	<50	<100	<50	<50
MW10	Primary	MW10_240111	11/01/2024	560	220	<100	<100	<100	<100	<100	<5	<1	7	151	152	26	178	336	440	<50	<100	<50	<50
MW10	Primary	MW10_240216	16/02/2024	70	30	<100	<100	<100	<100	<100	<5	<1	<2	15	23	4	27	42	50	<50	<100	<50	<50
MW10	Primary	MW10_240320	20/03/2024	60	<20	<100	<100	<100	<100	<100	<5	<1	<2	9	28	4	32	41	50	<50	<100	<50	<50
MW10	Primary	MW10_240419	19/04/2024	170	70	<100	<100	<100	<100	<100	<5	<1	5	36	57	6	63	104	140	<50	<100	<50	<50
MW10	Field_D	QC100_231214	14/12/2023	390	200	<100	<100	<100	<100	<100	<5	<1	2	81	90	17	107	190	270	<50	<100	<50	<50
MW10	Field_D	QC100_240111	11/01/2024	640	270	<100	<100	<100	<100	<100	<5	<1	8	146	184	32	216	370	510	<50	<100	<50	<50
MW10	Field_D	QC100_240216	16/02/2024	70	30	<100	<100	<100	<100	<100	<5	<1	<2	15	22	4	26	41	50	<50	<100	<50	<50
MW10	Field_D	QC100_240320	20/03/2024	100	60	<100	<100	<100	<100	<100	<5	<1	<2	10	29	4	33	43	80	<50	<100	<50	<50
MW12	Primary	MW12_231214	14/12/2023	810	570	190	200	<100	<100	200	12	<1	<2	12	128	96	224	236	320	170	<100	<50	170
MW13	Primary	MW13_231214	14/12/2023	73,200	8960	5020	5020	700	<100	5720	<100	<100	32,000	11,400	13,900	6940	20,800	64,200	70,700	7330	930	<50	8260
MW15	Primary	MW15_231214	14/12/2023	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	<50	<100	<50	<50
MW18	Primary	MW18_231214	14/12/2023	28,400	6010	1020	1070	<100	<100	1070	53	<50	3800	1760	12,000	4830	16,800	22,400	26,500	2580	<100	<50	2580
MW23	Primary	MW23_240111	11/01/2024	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	<50	<100	<50	<50
MW23	Primary	MW23_240419	19/04/2024	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	<50	<100	<50	<50
MW32D	Primary	MW32D_231214	14/12/2023	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	<50	<100	<50	<50
MW34D	Primary	MW34D_231214	14/12/2023	70	50	<100	<100	<100	<100	<100	<5	<1	<2	8	10	<2	10	18	60	90	<100	<50	90
MW40D	Primary	MW40D_231215	15/12/2023	70	40	130	140	<100	<100	140	9	<1	4	21	3	6	9	34	60	130	<100	<50	130
MW40S	Primary	MW40S_231215	15/12/2023	17,900	7170	1830	1940	220	<100	2160	111	<10	2400	1260	4550	2520	7070	10,700	13,200	3450	330	<50	3780
MW41D	Primary	MW41D_231215	15/12/2023	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	<50	<100	<50	<50
MW41D	Field_D	QC101_231215	15/12/2023	<20	<20	<100	<100	<100	<100	<100	<5	<1	<2	<2	<2	<2	<2	<1	<20	<50	<100	<50	<50
MW41S	Primary	MW41S_231215	15/12/2023	180	120	<100	<100	<100	<100	<100	<5	<1	<2	<2	49	8	57	57	80	<50	<100	<50	<50

AECOM

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

Table T4 - DO Assessment Results Summary

	*Previous Biannual Period			Nov-23			Dec-23	Jan-24			Jan-24			Feb-24			Mar-24			Apr-24			**This Biannual Period		
301	Off	On	Difference				The available dissolved oxygen (DO) measurements were taken only when the EISB was turned off during the sitewide GM																Off	On	Difference
	0.36	0.44	0.08																						
306	Off	On	Difference																				Off	On	Difference
	0.395	1.02	0.62																						
308	Off	On	Difference																				Off	On	Difference
309	Off		Difference																				Off		Difference
314	Off	On	Difference	Off	On	Difference		Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference
	0.4166667	1.15	0.74	-	-	-		0.95	1.88	0.93	0.95	1.10	0.15	-	1.00	-	1.04	1.04	0.00	-	-	-	0.98	1.26	0.28
315	Off	On	Difference														Off	On	Difference				Off	On	Difference
	0.715	0.99	0.28														0.28	2.31	2.03				0.28	2.31	2.03
IW01	Off	On	Difference	Off	On	Difference		Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference
				-	0.39	-		1.76	1.80	0.04	1.76	1.76	0.00	-	0.70	-	0	1.87	1.87	-	1.30	-	1.17	1.30	0.13
MW09	Off	On	Difference																				Off	On	Difference
MW10	Off	On	Difference	Off	On	Difference		Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference
	0.27	2.89	2.62	-	1.49	-		1.3	1.30	0.00	1.3	1.30	0.00	-	1.01	-	0.46	0.46	0.00	-	3.40	-	1.02	1.49	0.47
MW13	Off	On	Difference	Off	On	Difference		Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference
	0.4666667	1.05	0.59	-	0.44	-		0.29	1.05	0.76	0.29	1.07	0.78	-	2.00	-	0.79	1.23	0.44	-	0.47	-	0.46	1.04	0.59
MW18	Off	On	Difference	Off	On	Difference		Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference
	0.6766667	1.06	0.38	-	-	-		0.47	0.47	0.00	0.47	0.87	0.40	-	0.82	-	0.9	0.90	0.00	-	0.83	-	0.61	0.78	0.16
IW04S	Off	On	Difference																				Off	On	Difference
IW04D	Off	On	Difference																				Off	On	Difference
	0.47	0.47	0.00																						
MW12	Off	On	Difference	Off	On	Difference		Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference
	3.19	3.75	0.56	-	1.55	-		1.06	1.24	0.18	1.06	1.24	0.18	-	4.10	-	0.74	1.07	0.33	-	-	-	0.95	1.84	0.89
312	Off	On	Difference	Off	On	Difference		Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference	Off	On	Difference
	0	0.75	0.75	-	3.98	-		2.3	6.83	4.53	2.3	6.83	4.53	-	0.16	-	1.33	8.46	7.13	-	-	-	1.98	5.25	3.28
IW01	Off	On	Difference																				Off	On	Difference
MW34D	Off	On	Difference																				Off	On	Difference
	0.2	0.28	0.08																						

Average DO	0.72	1.29

Average DO	0.93	1.70

Notes
*Previous biannual period comprises of May 2023 through to October 2023. Average of DO readings were taken.
**Current biannual period is between November 2023 and April 2024.
Denotes DO measurements taken while the EISB system ran continuously without being turned off.
Denotes DO measurements taken 2 hours after the EISB was turned on
Denotes DO measurements taken 28 hours after the EISB was turned on
All values presented in mg/L
Prepared by: Jack Rawsthorne - 15/05/2024

Table T5 - Historical Analytical Results (EISB Period)

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

					BTEX							TPH					TRH - NEPM 2013						
					Benzene	Toluene	Ethylbenzene	m& p-Xylene	ortho-Xylene	Total Xylenes	Naphthalene	C6 - C9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 Fraction	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C10 - C16 Fraction minus Naphthalene (F2)	>C16 - C34 Fraction	>C34 - C40 Fraction	>C10 - C40 Fraction (sum)
				LOR	1	2	2	2	2	2	1	0.01	0.05	0.1	0.05	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.1
				Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/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
Sample Location	**Date Sampled**	**Sample ID**	**Work Order**	**Sample Type**																			
IW01	02-02-21	IW01_210202	ES2103552	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	17-05-21	IW01_210517	ES2119435	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	**0.08**	< 0.1	< 0.05	**0.08**	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	03-08-21	IW01_210803	ES2128316	N	< 1	**4**	**3**	**29**	**11**	--	--	**0.1**	**0.53**	< 0.1	< 0.05	**0.53**	**0.23**	**0.18**	**0.47**	**0.47**	< 0.1	< 0.1	**0.47**
	25-10-21	1W01_211025	ES2139089	N	< 1	**3**	**3**	**23**	**8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	IW01_220117	ES2201344	N	< 1	< 2	< 2	< 2	< 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	IW01_220439	ES2213975	N	< 1	< 2	< 2	< 2	< 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	IW01_220727	ES2226931	N	< 1	< 2	**195**	**298**	< 2	**304**	**99**	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	IW01_221027	ES2238895	N	< 1	< 2	**232**	**260**	< 2	**260**	**130**	**0.92**	**1.42**	< 0.1	< 0.05	**1.42**	**2.04**	**1.55**	**0.8**	**0.67**	< 0.1	< 0.1	**0.8**
	23-01-23	QC200_230123	958563	FT	<1	<1	**150**	**240**	**36**	**280**	**140**	**0.69**	**1.9**	**0.1**	<0.1	**2**	**1.2**	**0.77**	**1.2**	**1.06**	<0.1	<0.1	**1.2**
	23-01-23	IW01_230123	ES2302295	N	<1	<2	**152**	**200**	**39**	**239**	**104**	**0.9**	**1.52**	<0.1	<0.05	**1.52**	**1.66**	**1.27**	**1**	**0.9**	<0.1	<0.1	**1**
	23-01-23	QC100_230123	ES2302295	FD	<1	<2	**132**	**178**	**34**	**212**	**94**	**0.77**	**1.47**	<0.1	<0.05	**1.47**	**1.42**	**1.08**	**0.96**	**0.87**	<0.1	<0.1	**0.96**
	12-04-23	IW01_230412	ES2312503	N	<1	<2	**5**	**6**	**4**	**10**	<5	**0.07**	**0.09**	<0.1	<0.05	**0.09**	**0.11**	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1
	28-08-23	QC200_230828	1021288	FT	<1	<1	<1	<2	<1	<3	<10	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.1
	28-08-23	IW01_230828	ES2329269	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	28-08-23	QC100_230828	ES2329269	FD	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	15-12-23	IW01_231215	ES2343929	N	<1	<2	<2	<2	<2	<2	<5	<0.02	**0.08**	<0.1	<50	**0.08**	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
IW02	02-02-21	IW02_210202	ES2103552	N	< 5	< 5	**758**	**965**	< 5	--	--	**2.61**	**1.76**	< 0.1	< 0.05	**1.76**	**3.63**	**1.91**	**0.86**	**0.71**	< 0.1	< 0.1	**0.86**
	03-08-21	IW02_210803	ES2128316	N	< 5	< 5	**680**	**701**	< 5	--	--	**2.42**	**2.13**	< 0.1	< 0.05	**2.13**	**5**	**3.62**	**1.13**	**1**	< 0.1	< 0.1	**1.13**
	21-04-22	IW02_220426	ES2213975	N	< 5	**266**	**377**	**668**	**116**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	IW02_220727	ES2226931	N	< 5	< 5	**853**	**1170**	< 5	**1188**	**114**	**3.03**	**1.21**	< 0.1	< 0.05	**1.21**	**4.26**	**2.24**	**0.58**	**0.47**	< 0.1	< 0.1	**0.58**
	26-10-22	IW02_221026	ES2238895	N	< 20	< 20	**1920**	**2410**	< 20	**2410**	**264**	**7.43**	**1.7**	< 0.1	< 0.05	**1.7**	**16.5**	**12.2**	**0.88**	**0.62**	< 0.1	< 0.1	**0.88**
	23-01-23	QC201_230123	958563	FT	<10	<10	**1000**	**1500**	<10	**1500**	**210**	**4.4**	**2.8**	<0.1	<0.1	**2.8**	**6.3**	**3.8**	**1.7**	**1.49**	<0.1	<0.1	**1.7**
	23-01-23	IW02_230123	ES2302295	N	<5	<5	**871**	**1180**	<5	**1180**	**147**	**3.89**	**2**	<0.1	<0.05	**2**	**6.13**	**4.08**	**1.07**	**0.92**	<0.1	<0.1	**1.07**
	23-01-23	QC101_230123	ES2302295	FD	<5	<5	**1010**	**1220**	<5	**1220**	**149**	**3.56**	**2.43**	<0.1	<0.05	**2.43**	**4.99**	**2.76**	**1.28**	**1.13**	<0.1	<0.1	**1.28**
	12-04-23	IW02_230412	ES2312503	N	<5	**52**	**656**	**818**	**10**	**828**	**141**	**2.69**	**1.76**	<0.1	<0.05	**1.76**	**4.04**	**2.5**	**0.98**	**0.84**	<0.1	<0.1	**0.98**
	12-04-23	IW04S_230413	ES2312503	N	<100	**32,800**	**20,500**	**12,700**	**6420**	**19,100**	<100	**102**	**7.66**	**0.92**	<0.05	**8.58**	**104**	**31.6**	**6.01**	**6.01**	**0.29**	<0.1	**6.3**
IW4D	02-02-21	IW04D_210202	ES2103552	N	< 50	**6220**	**1510**	**14900**	**7940**	--	--	**36.4**	**13.5**	**0.99**	< 0.05	**14.5**	**41.5**	**10.9**	**8.06**	**7.8**	**0.37**	< 0.1	**8.43**
	02-08-21	QC200_210802	815819	FD	< 1	**9500**	**4700**	--	--	--	--	--	--	--	--	--	**67**	**32**	**15**	**15**	**1.9**	< 0.1	**16.9**
	03-08-21	IW4D_210803	ES2128316	N	< 50	**9500**	**4740**	**16100**	**8010**	--	--	**51.2**	**13.6**	**1.44**	< 0.05	**15**	**61.1**	**22.8**	**9.09**	**8.88**	**0.82**	< 0.1	**9.91**
	21-04-22	IW04D_220429	ES2213975	N	< 100	**15200**	**2450**	**12800**	**8650**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	22-06-22	QC200_220623	902052	FD	< 1	**22000**	**2900**	**20000**	**11000**	**31000**	< 2000	**78**	**27**	**2**	< 0.2	**29**	**110**	**54**	**22**	**22**	**0.3**	< 0.2	**22.3**
	23-06-22	IW04D_220623	ES2222314	N	< 50	**14000**	**2090**	**13200**	**8310**	**13234**	**278**	**57.1**	**11**	**1.39**	< 0.05	**12.4**	**65.6**	**28**	**10.1**	**9.82**	**0.3**	< 0.1	**10.4**
	27-07-22	IW04D_220727	ES2226931	N	< 100	**13700**	**2080**	**14300**	**9180**	**14335**	**294**	**47.4**	**2.44**	**0.2**	< 0.05	**2.64**	**55.2**	**15.9**	**1.87**	**1.58**	< 0.1	< 0.1	**1.87**
	27-10-22	IW04D_221027	ES2238895	N	< 50	**9270**	**1040**	**12600**	**7740**	**20300**	**263**	**40.2**	**7.26**	< 0.1	< 0.05	**7.26**	**47.6**	**17**	**3.23**	**2.97**	< 0.1	< 0.1	**3.23**
	23-01-23	IW04D_230123	ES2302295	N	<1	<2	<2	<2	<2	<2	<5	<0.02	**10.1**	**0.22**	<0.05	**10.3**	<0.02	<0.02	**4.35**	**4.35**	**0.12**	<0.1	**4.47**
	12-04-23	IW4D_230412	ES2312503	N	<1	**151**	**20**	**216**	**153**	**369**	**5**	**0.73**	**4.94**	**0.12**	<0.05	**5.06**	**0.84**	**0.3**	**2.19**	**2.18**	<0.1	<0.1	**2.19**
	14-12-23	IW4D_231214	ES2343929	N	<20	**6260**	**1360**	**10,400**	**7870**	**18,300**	**344**	**29**	**14**	**0.54**	<50	**15**	**45**	**20**	**7.09**	**6.75**	**0.18**	<0.1	**7.27**
MW05	02-02-21	MW05_210202	ES2103552	N	< 1	< 2	< 2	**2**	**8**	--	--	**0.36**	**0.16**	< 0.1	< 0.05	**0.16**	**0.47**	**0.46**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	02-08-21	MW05_210802	ES2128316	N	< 1	< 2	< 2	< 2	**6**	--	--	**0.13**	**0.17**	< 0.1	< 0.05	**0.17**	**0.21**	**0.2**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	21-04-22	MW05_220435	ES2213975	N	< 1	< 2	< 2	< 2	**3**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	MW05_221027	ES2238895	N	< 1	**6**	**9**	**6**	**4**	**10**	< 5	**0.04**	< 0.05	< 0.1	< 0.05	< 0.05	**0.05**	**0.02**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	13-04-23	MW05_230413	ES2312503	N	<1	**6**	**3**	**3**	**3**	**6**	<5	**0.02**	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
MW09	03-02-21	MW09_210203	ES2103604	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	02-08-21	MW09_210802	ES2128316	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	21-04-22	MW09_220438	ES2213975	N	< 1	< 2	< 2	< 2	< 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	26-10-22	MW09_221026	ES2238895	N	< 5	< 5	**209**	**1380**	**1190**	**2570**	< 5	**4.32**	**0.45**	**0.13**	< 0.05	**0.58**	**4.31**	**1.53**	**0.44**	**0.44**	< 0.1	< 0.1	**0.44**
	12-04-23	MW09_230412	ES2312503	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	14-12-23	MW09_231214	ES2343929	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<50	<0.1	<50	<50	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1

Table T5 - Historical Analytical Results (EISB Period)

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

					BTEX							TPH					TRH - NEPM 2013						
					Benzene	Toluene	Ethylbenzene	m& p-Xylene	ortho-Xylene	Total Xylenes	Naphthalene	C6 - C9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 Fraction	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C10 - C16 Fraction minus Naphthalene (F2)	>C16 - C34 Fraction	>C34 - C40 Fraction	>C10 - C40 Fraction (sum)
				LOR	1	2	2	2	2	2	1	0.01	0.05	0.1	0.05	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.1
				Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/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
Sample Location	**Date Sampled**	**Sample ID**	**Work Order**	**Sample Type**																			
MW10	02-07-20	MW10_200702	ES2022847	N	< 50	1430	14400	10400	2890	--	--	50.6	3.59	0.22	< 0.05	3.81	52.5	23.4	1.76	1.67	< 0.1	< 0.1	1.76
	02-07-20	QC100_200702	ES2022847	FD	< 50	1480	15400	11100	2980	--	--	53.1	3.42	0.2	< 0.05	3.62	55.2	24.2	1.66	1.59	< 0.1	< 0.1	1.66
	04-08-20	MW10_200804	ES2026885	N	< 50	9570	23400	14600	4540	--	--	73.7	5.3	0.21	< 0.05	5.51	75.8	23.7	2.39	2.32	0.11	< 0.1	2.5
	04-08-20	QC100_200804	ES2026885	FD	< 50	9670	22000	14000	4530	--	--	72.4	5.21	0.19	< 0.05	5.4	74.5	24.3	2.26	2.19	0.11	< 0.1	2.37
	10-09-20	MW10_200910	ES2031961	N	< 50	841 925	13500 15000	10200 9460	3190 3450	--	--	53.2	3.94	0.24	< 0.05	4.18	52.8	25.8	2.17	2.1	0.13	< 0.1	2.3
	10-09-20	QC100_200910	ES2031961	FD	< 50	876	14900	10600	3290	--	--	51.6	4.44	0.45	< 0.05	4.89	51.3	21.6	2.86	2.78	0.22	< 0.1	3.08
	14-10-20	MW10_201014	ES2035958	N	< 50	634	20800	14700	3880	--	--	66.3	4.81	0.12	< 0.05	4.93	70.1	30.1	1.79	1.79	< 0.1	< 0.1	1.79
	14-10-20	QC100_201014	ES2035958	FD	< 50	585	20200	14400	3520	--	--	59.2	4.09	0.11	< 0.05	4.2	62.6	23.9	1.58	1.58	< 0.1	< 0.1	1.58
	27-11-20	MW10_201127	ES2042231	N	< 50	364	14200	10500	2550	--	--	37.7	2.85	0.14	< 0.05	2.99	40.9	13.3	1.35	1.35	< 0.1	< 0.1	1.35
	27-11-20	QC100_201127	ES2042231	FD	< 50	341	14900	11000	2450	--	--	36.1	2.99	0.2	< 0.05	3.19	39.2	10.5	1.48	1.48	< 0.1	< 0.1	1.48
	22-12-20	MW10	ES2045602	N	< 50	560	18400	13700	2840	--	--	48.3	4.01	0.15	< 0.05	4.16	51.1	15.6	1.82	1.82	< 0.1	< 0.1	1.82
	22-12-20	QC100	ES2045602	FD	< 50	565	18400	13600	2740	--	--	47.2	4.06	0.2	< 0.05	4.26	50	14.7	1.92	1.92	< 0.1	< 0.1	1.92
	19-01-21	MW10_210119	ES2101940	N	< 20	118	7360	8850	608	--	--	24.7	3.68	0.12	< 0.05	3.8	26.7	9.76	1.74	1.62	< 0.1	< 0.1	1.74
	19-01-21	QC100_210119	ES2101940	FD	< 20	125	8390	8860	1110	--	--	25.2	4.17	0.16	< 0.05	4.33	27.1	8.62	1.98	1.9	< 0.1	< 0.1	1.98
	03-02-21	MW10_210203	ES2103604	N	< 100	1040	17600	13000	2700	--	--	52	3.15	0.17	< 0.05	3.32	55.3	21	1.12	0.86	0.13	< 0.1	1.25
	03-02-21	QC101_210203	ES2103604	FD	< 100	997	17100	12600	2600	--	--	50.1	2.95	0.16	< 0.05	3.11	53.2	19.9	1.06	0.95	0.12	< 0.1	1.18
	26-03-21	MW10_210326	ES2111088	N	< 50	16400	30600	17000	6210	--	--	105	2.49	< 0.1	< 0.05	2.49	106	35.8	1	1	< 0.1	< 0.1	1
	26-03-21	QC100_210326	ES2111088	FD	< 50	15100	27800	15500	6020	--	--	103	2.29	< 0.1	< 0.05	2.29	104	39.6	0.92	0.92	< 0.1	< 0.1	0.92
	22-04-21	MW10_210422	ES2115072	N	< 100	15200	30100	17700	6140	--	--	93.6	2.59	< 0.1	< 0.05	2.59	98	28.9	0.99	0.99	< 0.1	< 0.1	0.99
	22-04-21	QC100_210422	ES2115072	FD	< 100	14600	26000	16800	5860	--	--	89.3	2.2	< 0.1	< 0.05	2.2	93.6	30.3	0.91	0.91	< 0.1	< 0.1	0.91
	17-05-21	MW10_210517	ES2119435	N	< 1	115	37800	22600	114	--	--	1.9	5.36	0.2	< 0.05	5.56	1.99	< 4	2.34	2.34	< 0.1	< 0.1	2.34
	17-05-21	QC200_210517	797961	FD	< 1	11000	45000	--	--	--	--	--	--	--	--	--	140	47	4.6	< 0.05	0.8	0.1	5.5
	29-06-21	MW10_210629	ES2124055	N	< 100	4110	31200	17200	6040	--	--	82	8.59	0.77	< 0.05	9.36	85.5	27	4.74	4.74	0.49	< 0.1	5.23
	29-06-21	QC100_210629	ES2124055	FD	< 100	4290	31100	18200	6460	--	--	87.1	9.61	0.87	< 0.05	10.5	90.9	30.8	5.24	5.24	0.52	< 0.1	5.76
	02-08-21	MW10_210802	ES2128316	N	< 50	3380	26600	19000	6930	--	--	82.3	7.56	< 0.1	< 0.05	7.56	87.3	31.4	3.54	3.45	< 0.1	< 0.1	3.54
	02-08-21	QC100_210802	ES2128316	FD	< 50	3010	25000	18500	6390	--	--	77.4	7.38	< 0.1	< 0.05	7.38	86.1	33.2	3.53	3.46	< 0.1	< 0.1	3.53
	01-09-21	MW10_210901	ES2132156	N	< 50	729	9110	9550	3550	--	--	32.6	4.1	0.26	< 0.05	4.36	38.1	15.2	2.16	2.1	0.21	< 0.1	2.37
	01-09-21	QC100_210901	ES2132156	FD	< 50	746	9170	9640	3620	--	--	32.8	4.03	0.29	< 0.05	4.32	38.2	15	2.11	2.11	0.19	< 0.1	2.3
	25-10-21	MW10_211025	ES2139089	N	< 20	627	5360	5470	2480	--	--	18.6	3.32	0.24	< 0.05	3.56	21.6	7.66	1.74	1.71	0.14	< 0.1	1.88
	25-10-21	QC100_211025	ES2139089	FD	< 20	618	4990	5050	2410	--	--	17.4	3.13	0.27	< 0.05	3.4	20.2	7.13	1.7	1.67	0.17	< 0.1	1.87
	12-11-21	MW10_211112	ES2141187	N	< 10	325	4260	4390	2000	--	--	14.4	3.46	0.29	< 0.05	3.75	16.8	5.82	2.28	2.25	0.2	< 0.1	2.48
	12-11-21	QC100_211112	ES2141187	FD	< 10	310	4020	4180	1930	--	--	13.1	2.72	0.24	< 0.05	2.96	15.4	4.96	1.79	1.76	0.15	< 0.1	1.94
	10-12-21	MW10_211210	ES2145292	N	< 10	973	2810	3920	1720	--	--	14	3.78	0.32	< 0.05	4.1	15.9	6.48	2.41	2.38	0.25	< 0.1	2.66
	10-12-21	QC100_211210	ES2145292	FD	< 10	912	2880	3820	1850	--	--	15.1	3.37	0.29	< 0.05	3.66	17.2	7.74	2.13	2.11	0.23	< 0.1	2.36
	17-01-22	MW10_220117	ES2201344	N	< 5	105	935	1260	633	--	--	3.98	0.56	0.18	< 0.05	0.74	4.7	1.77	0.55	0.54	0.14	< 0.1	0.69
	17-01-22	QC100_220117	ES2201344	FD	< 5	88	789	1050	536	--	--	3.34	0.52	0.17	< 0.05	0.69	3.96	1.5	0.51	0.5	0.12	< 0.1	0.63
	16-02-22	MW10_220216	ES2205509	N	< 10	515	3440	3270	1580	--	--	14.3	1.78	0.27	< 0.05	2.05	14.9	6.1	1.12	1.12	0.2	< 0.1	1.32
	16-02-22	QC100_220216	ES2205509	FD	< 10	476	3310	3160	1490	--	--	13.6	1.91	0.37	< 0.05	2.28	14.2	5.76	1.14	1.14	0.31	< 0.1	1.45
	16-03-22	MW10_220316	ES2209584	N	< 5	297	1350	924	384	--	--	4.17	0.91	0.23	< 0.05	1.14	4.41	1.46	0.61	0.6	0.34	< 0.1	0.95
	16-03-22	QC100_220316	ES2209584	FD	< 5	309	1320	962	400	--	--	4.35	0.8	0.15	< 0.05	0.95	4.6	1.61	0.51	0.5	0.11	< 0.1	0.62
	16-03-22	QC200_220316	874231	FT	< 1	340	1400	--	--	--	--	--	--	--	--	--	5.8	2.7	0.49	0.49	0.2	< 0.1	0.69
	22-04-22	MW10_220444	ES2213975	N	< 5	196	898	638	242	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	22-04-22	QC101_220446	ES2213975	FD	< 5	215	977	688	262	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	22-04-22	QC201_220422	293970	FT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12-05-22	MW10_220512	ES2216627	N	< 20	3250	8430	6220	2770	6268	32	30.7	2.19	0.25	< 0.05	2.44	32.2	11.5	1.28	1.25	0.18	< 0.1	1.46
	12-05-22	QC100_220512	ES2216627	FD	< 20	3220	8570	6340	2710	6433	24	32.2	3	0.35	< 0.05	3.35	33.4	12.6	1.7	1.68	0.26	< 0.1	1.96
	12-05-22	QC200_220512	890475	FT	< 1	3000	8300	5900	2600	8500	<2000	28	2.9	0.4	< 0.1	3.32	35	15	1.5	< 2	1	< 0.1	2.5
	23-06-22	MW10_220623	ES2222314	N	< 10	444	3920	2740	1100	2835	18	13.9	0.64	0.12	< 0.05	0.76	15.3	7.1	0.41	0.39	< 0.1	< 0.1	0.41
	28-07-22	MW10_220728	ES2226931	N	< 10	203	3320	3010	1060	3106	246	11.8	0.99	0.13	< 0.05	1.12	12.6	5.01	0.53	0.28	0.1	< 0.1	0.63
	25-08-22	MW10_220825	ES2230598	N	< 5	158	2680	2800	1430	2897	15	9.9	0.98	0.3	< 0.05	1.28	11	3.93	0.58	0.56	0.32	< 0.1	0.9
	25-08-22	QC100_220825	ES2230598	FD	< 5	161	2750	2820	1390	2918	15	10.1	1.17	0.34	< 0.05	1.51	11.2	4.08	0.79	0.78	0.33	< 0.1	1.12
	25-08-22	QC200_220825	918705	FT	< 1	160	2400	2700	1300	4000	< 200	9.6	3	1.2	0.1	4.3	13	6.4	1.9	1.9	1.3	< 0.1	3.2
	29-09-22	MW10_220929	ES2235115	N	< 10	72	2720	2450	1020	2550	14	9.72	0.73	0.21	< 0.05	0.94	10.7	4.44	0.46	0.45	0.13	< 0.1	0.59
	29-09-22	QC100_220929	ES2235115	FD	< 10	65	2650	2430	997	2531	13	9.47	0.81	0.16	< 0.05	0.97	10.5	4.36	0.49	0.48	0.11	< 0.1	0.6
	29-09-22	QC200_220929	307210	FT	< 1	83	4800	4400	1800	4502	15	11	--	--	--	--	15	3.5	--	--	--	--	--
	26-10-22	MW10_221026	ES2238895	N	< 5	29	1180	1180	542	1720	6	5.5	0.37	0.23	< 0.05	0.6	6.83	3.9	0.4	0.39	0.14	< 0.1	0.54
	26-10-22	QC100_221026	ES2238895	FD	< 5	26	1340	1260	624	1880	< 5	5.37	0.29	0.25	< 0.05	0.54	6	2.75	0.35	0.35	0.18	< 0.1	0.53
	26-10-22	QC200_221026	936270	FT	1500	1500	1600	--	890	3100	< 10	21	0.18	0.6	< 0.1	0.78	25	17	0.38	0.38	0.4	< 0.1	0.78

Table T5 - Historical Analytical Results (EISB Period)

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

					BTEX							TPH					TRH - NEPM 2013						
					Benzene	Toluene	Ethylbenzene	m& p-Xylene	ortho-Xylene	Total Xylenes	Naphthalene	C6 - C9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 Fraction	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C10 - C16 Fraction minus Naphthalene (F2)	>C16 - C34 Fraction	>C34 - C40 Fraction	>C10 - C40 Fraction (sum)
				LOR	1	2	2	2	2	2	1	0.01	0.05	0.1	0.05	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.1
				Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/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
Sample Location	**Date Sampled**	**Sample ID**	**Work Order**	**Sample Type**																			
	29-11-22	QC200_221129	311962	FT	<1	62	1800	1300	440	-	5	7.1	0.57	0.23	<0.1	0.8	9.1	5.4	0.5	0.5	0.19	<0.1	0.69
	29-11-22	MW10_221129	ES2243271	N	<5	53	1450	1170	465	1640	5	4.53	0.15	<0.1	<0.05	0.15	5.29	2.15	0.16	0.16	<0.1	<0.1	0.16
	29-11-22	QC100_221129	ES2243271	FD	<5	53	1420	1140	459	1600	5	4.5	0.15	<0.1	<0.05	0.15	5.25	2.18	0.17	0.16	<0.1	<0.1	0.17
	15-12-22	QC200_221215	951420	FT	<1	110	3500	2000	780	2800	<10	8.6	0.81	0.5	<0.1	1.31	12	5.6	0.57	0.57	0.5	<0.1	1.07
	15-12-22	MW10_221215	ES2245753	N	<10	95	2990	2410	848	3260	<10	9.04	0.67	0.31	<0.05	0.98	11.4	5.06	0.43	0.43	0.31	<0.1	0.74
	15-12-22	QC100_221215	ES2245753	FD	<10	102	3160	2500	898	3400	<10	10.7	0.56	0.28	<0.05	0.84	13.3	6.64	0.4	0.4	0.29	<0.1	0.69
	23-01-23	MW10_230123	ES2302295	N	<5	63	987	937	408	1340	6	3.88	0.13	0.58	<0.05	0.71	4.54	2.14	0.25	0.24	0.48	<0.1	0.73
	21-02-23	QC200-230221	967616	FT	<200	620	7000	6800	2500	9200	<2000	22	2.8	0.4	<0.1	3.2	29	12	2.5	2.5	0.3	<0.1	2.8
	21-02-23	MW10_230221	ES2305854	N	<20	547	6190	5700	2080	7780	<20	26.4	1.39	<0.1	<0.05	1.39	30.3	15.8	0.69	0.69	0.1	<0.1	0.79
	21-02-23	QC100_230221	ES2305854	FD	<20	554	5950	5470	2120	7590	<20	26.8	1.73	<0.1	<0.05	1.73	30.8	16.7	0.9	0.9	<0.1	<0.1	0.9
	21-03-23	QC200_230321	975574	FT	<1	46	830	850	290	1100	<10	3.1	0.06	0.4	<0.1	0.46	4.1	2.1	0.11	0.11	0.4	<0.1	0.51
	21-03-23	MW10_230321	ES2309466	N	<5	53	839	834	294	1130	<5	2.46	0.08	<0.1	<0.05	0.08	3.45	1.43	<0.1	<0.1	<0.1	<0.1	<0.1
	21-03-23	QC100_230321	ES2309466	FD	<5	49	807	792	282	1070	<5	2.5	0.12	<0.1	<0.05	0.12	3.31	1.38	<0.1	<0.1	<0.1	<0.1	<0.1
	12-04-23	MW10_230412	ES2312503	N	<1	12	481	447	153	600	<5	1.95	0.06	0.18	<0.05	0.24	2.37	1.28	<0.1	<0.1	0.18	<0.1	0.18
	18-05-23	QC200-230518	992588	FT	<1	40	820	890	310	1200	<10	2.9	0.15	0.3	<0.1	0.45	3.8	1.7	0.15	0.15	0.2	<0.1	0.35
	18-05-23	MW10_230518	ES2316804	N	<5	30	663	776	248	1020	<5	2.6	0.52	<0.1	<0.05	0.52	3.27	1.55	0.3	0.3	<0.1	<0.1	0.3
	18-05-23	QC100_230518	ES2316804	FD	<5	30	670	770	255	1020	<5	2.59	0.44	<0.1	<0.05	0.44	3.24	1.52	0.25	0.25	<0.1	<0.1	0.25
	19-06-23	MW10_230619	ES2320628	N	<1	36	720	853	309	1160	<5	3.03	0.38	<0.1	<0.05	0.38	4.29	2.37	0.19	0.19	<0.1	<0.1	0.19
	19-06-23	QC100_230619	ES2320628	FD	<1	31	628	733	264	997	<5	2.64	0.43	<0.1	<0.05	0.43	3.72	2.06	0.21	0.21	<0.1	<0.1	0.21
	20-06-23	QC200_230620	1001274	FT	<1	36	810	1100	360	1400	<1	4.6	0.38	0.4	<0.1	0.78	5.6	3.3	0.34	0.34	0.4	<0.1	0.74
	20-07-23	QC200_200723	1009743	FT	<1	4	96	130	47	180	<10	0.42	<0.05	<0.1	<0.1	<0.1	0.63	0.35	<0.05	<0.05	<0.1	<0.1	<0.1
	20-07-23	MW10_200723	ES2324461	N	<1	4	79	111	42	153	<5	0.35	<0.05	<0.1	<0.05	<0.05	0.43	0.19	<0.1	<0.1	<0.1	<0.1	<0.1
	20-07-23	QC100_200723	ES2324461	FD	<1	3	63	93	34	127	<5	0.29	<0.05	<0.1	<0.05	<0.05	0.36	0.17	<0.1	<0.1	<0.1	<0.1	<0.1
	28-08-23	MW10_230828	ES2329269	N	<1	13	373	412	156	568	<5	1.09	<0.05	<0.1	<0.05	<0.05	1.36	0.41	<0.1	<0.1	<0.1	<0.1	<0.1
	21-09-23	QC200_230921	1029166	FT	<5	14	680	690	260	950	<50	2.7	<0.05	<0.1	<0.1	<0.1	3.7	2.1	<0.05	<0.05	<0.1	<0.1	<0.1
	21-09-23	MW10_230921	ES2332649	N	<1	12	459	427	181	608	<5	1.45	<0.05	0.16	<0.05	0.16	1.66	0.58	<0.1	<0.1	0.18	<0.1	0.18
	21-09-23	QC100_230921	ES2332649	FD	<1	13	522	513	198	711	<5	1.52	<0.05	0.15	<0.05	0.15	1.76	0.51	<0.1	<0.1	0.25	<0.1	0.25
	12-10-23	QC200_231012	1035148	FT	<1	5	85	170	58	230	<10	0.45	<0.05	<0.1	<0.1	<0.1	0.67	0.35	<0.05	<0.05	<0.1	<0.1	<0.1
	12-10-23	MW10_231012	ES2335426	N	<1	5	75	141	51	192	<5	0.4	<0.05	<0.1	<0.05	<0.05	0.44	0.17	<0.1	<0.1	<0.1	<0.1	<0.1
	12-10-23	QC100_231012	ES2335426	FD	<1	5	72	134	48	182	<5	0.38	<0.05	<0.1	<0.05	<0.05	0.43	0.17	<0.1	<0.1	<0.1	<0.1	<0.1
	12-10-23	MW10_231012	ES2335426	N	<1	5	75	141	51	192	<5	400	<50	<100	<50	<50	440	170	<100	<100	<100	<100	<100
	15-11-23	MW10_231115	ES2339763	N	<1	<2	87	112	37	149	<5	0.33	<0.05	<0.1	<0.05	<0.05	0.39	0.15	<0.1	<0.1	<0.1	<0.1	<0.1
	14-12-23	MW10_231214	ES2343929	N	<1	<2	58	66	12	78	<5	0.14	<50	<0.1	<50	<50	0.18	0.04	<0.1	<0.1	<0.1	<0.1	<0.1
	11-01-24	MW10_240111	ES2401128	N	<1	7	151	152	26	178	<5	0.44	<0.05	<0.1	<0.05	<0.05	0.56	0.22	<0.1	<0.1	<0.1	<0.1	<0.1
	16-02-24	MW10_240216	ES2405059	N	<1	<2	15	23	4	27	<5	0.05	<0.05	<0.1	<0.05	<0.05	0.07	0.03	<0.1	<0.1	<0.1	<0.1	<0.1
	20-03-24	MW10_240320	ES2409563	N	<1	<2	9	28	4	32	<5	0.05	<0.05	<0.1	<0.05	<0.05	0.06	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	19-04-24	MW10_240419	ES2412933	N	<1	5	36	57	6	63	<5	140	<0.05	<0.01	<0.05	<0.05	170	70	<0.01	<0.01	<0.01	<0.01	<0.01
	14-12-23	QC100_231214	ES2343929	FD	<1	2	81	90	17	107	<5	0.27	<50	<0.1	<50	<50	0.39	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
	11-01-24	QC100_240111	ES2401128	FD	<1	8	146	184	32	216	<5	0.51	<0.05	<0.1	<0.05	<0.05	0.64	0.27	<0.1	<0.1	<0.1	<0.1	<0.1
	16-02-24	QC100_240216	ES2405059	FD	<1	<2	15	22	4	26	<5	0.05	<0.05	<0.1	<0.05	<0.05	0.07	0.03	<0.1	<0.1	<0.1	<0.1	<0.1
	20-03-24	QC100_240320	ES2409563	FD	<1	<2	10	29	4	33	<5	0.08	<0.05	<0.1	<0.05	<0.05	0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1
	12-10-23	QC200_231012	1035148	FT	<1	5	85	170	58	230	<10	450	<50	<100	<100	<100	670	350	<50	<50	<100	<100	<100
	16-02-24	QC200_240216	1070218	FT	<1	1	15	23	4	26	<10	0.05	<0.05	<0.1	<0.1	<0.1	0.07	0.03	<0.05	<0.05	<0.1	<0.1	<0.1
	11-01-24	QC200-240111	1059547	FT	<1	10	190	210	36	240	<10	0.76	0.09	0.5	0.2	0.79	1.1	0.65	0.16	0.16	0.5	0.2	0.86
MW12	02-02-21	MW12_210202	ES2103552	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	17-05-21	MW12_210517	ES2119435	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	0.02	0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	02-08-21	MW12_210802	ES2128316	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	25-10-21	MW12_211025	ES2139089	N	< 1	< 2	< 2	< 2	< 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	MW12_220117	ES2201344	N	< 1	< 2	< 2	< 2	< 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	MW12_220422	ES2213975	N	< 1	< 2	< 2	< 2	< 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	MW12_220727	ES2226931	N	< 1	< 2	< 2	< 2	< 2	< 2	< 5	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	MW12_221027	ES2238895	N	< 1	< 2	< 2	< 2	< 2	< 2	< 5	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	23-01-23	MW12_230123	ES2302295	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	12-04-23	MW12_230412	ES2312503	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	28-08-23	MW12_230828	ES2329269	N	<1	<2	<2	<2	<2	<2	<5	0.03	<0.05	<0.1	<0.05	<0.05	0.03	0.03	<0.1	<0.1	<0.1	<0.1	<0.1
	28-08-23	MW12_230828	ES2329269	N	<1	<2	<2	<2	<2	<2	<5	0.03	<0.05	<0.1	<0.05	<0.05	0.03	0.03	<0.1	<0.1	<0.1	<0.1	<0.1
	14-12-23	MW12_231214	ES2343929	N	<1	<2	12	128	96	224	12	0.32	0.17	<0.1	<50	0.17	0.81	0.57	0.2	0.19	<0.1	<0.1	0.2

Table T5 - Historical Analytical Results (EISB Period)

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

					BTEX							TPH					TRH - NEPM 2013						
					Benzene	Toluene	Ethylbenzene	m& p-Xylene	ortho-Xylene	Total Xylenes	Naphthalene	C6 - C9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 Fraction	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C10 - C16 Fraction minus Naphthalene (F2)	>C16 - C34 Fraction	>C34 - C40 Fraction	>C10 - C40 Fraction (sum)
				LOR	1	2	2	2	2	2	1	0.01	0.05	0.1	0.05	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.1
				Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/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
Sample Location	**Date Sampled**	**Sample ID**	**Work Order**	**Sample Type**																			
MW13	03-02-21	MW13_210203	ES2103604	N	< 100	**37600**	**16600**	**13900**	**6390**	--	--	**107**	**4.04**	**0.34**	< 0.05	**4.38**	**108**	**33.5**	**2.08**	**1.88**	**0.27**	< 0.1	**2.35**
	03-02-21	QC201_210203	261092	FD	**120**	**48000**	**22000**	**18000**	**8800**	--	--	--	--	--	--	--	**150**	**53**	**7.1**	**6.9**	**1.2**	< 0.1	--
	02-08-21	MW13_210803	ES2128316	N	< 100	**29900**	**11700**	**19100**	**8640**	--	--	**98.2**	**9.47**	**0.53**	< 0.05	**10**	**102**	**32.7**	**5.2**	**5.03**	**0.3**	< 0.1	**5.5**
	25-10-21	MW13_211025	ES2139089	N	< 100	**39700**	**14000**	**26800**	**10800**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	MW13_220117	ES2201344	N	**73**	**31200**	**12200**	**20900**	**9460**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	MW13_220428	ES2213975	N	< 50	**16000**	**9740**	**14200**	**8290**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	MW13_220727	ES2226931	N	< 50	**4970**	**2940**	**17100**	**6960**	**17230**	**211**	--	--	--	--	--	--	--	--	--	--	--	--
	26-10-22	MW13_221026	ES2238895	N	< 50	**8790**	**3760**	**17500**	**8950**	**26400**	**236**	**55.5**	**12.6**	**2.37**	< 0.05	**15**	**76.6**	**37.6**	**8.55**	**8.31**	**1.8**	< 0.1	**10.4**
	26-10-22	QC101_221026	ES2238895	FD	< 50	**9750**	**3880**	**16900**	**9690**	**26600**	**243**	**60.1**	**13.9**	**2.62**	< 0.05	**16.5**	**82.5**	**42.3**	**9.52**	**9.28**	**2.1**	< 0.1	**11.6**
	26-10-22	QC201_221026	936270	FT	**17**	**9500**	**2900**	--	**9400**	**28000**	**0.51**	**55**	**17**	**3.5**	< 1	**20.5**	**79**	**38**	**11**	**10.49**	**2.9**	< 1.0	**13.9**
	23-01-23	MW13_230123	ES2302295	N	<50	**8980**	**3230**	**19,400**	**8790**	**28,200**	**205**	**59.7**	**9.42**	**1.64**	<0.05	**11.1**	**70.6**	**30.2**	**6.62**	**6.42**	**1.28**	<0.1	**7.9**
	12-04-23	MW13_230412	ES2312503	N	<1	**366**	**101**	**289**	**157**	**446**	<5	**1.22**	**12.9**	**1.85**	<0.05	**14.8**	**1.31**	**0.4**	**9.05**	**9.05**	**1.24**	<0.1	**10.3**
	28-08-23	MW13_230828	ES2329269	N	**54**	**29,200**	**7960**	**20,500**	**9370**	**29,900**	**166**	**55.5**	**9.83**	**0.2**	<0.05	**10**	**60**	<0.10	**4.65**	**4.48**	**0.13**	<0.1	**4.78**
	14-12-23	MW13_231214	ES2343929	N	<100	**32,000**	**11,400**	**13,900**	**6940**	**20,800**	<100	**71**	**7.33**	**0.93**	<50	**8.26**	**73**	**8.96**	**5.02**	**5.02**	**0.7**	<0.1	**5.72**
MW15	04-02-21	MW15_210204	ES2103740	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	02-08-21	MW15_210802	ES2128316	N	< 1	< 2	**6**	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	10-12-21	MW15_211210	ES2145292	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	17-01-22	MW15_220117	ES2201344	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	17-01-22	QC200_220117	ES2201344	FD	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	22-04-22	MW15_220445	ES2213975	N	< 1	< 2	< 2	< 2	< 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	MW15_221027	ES2238895	N	< 1	< 2	< 2	< 2	< 2	< 2	< 5	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	13-04-23	MW15_230413	ES2312503	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	14-12-23	MW15_231214	ES2343929	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<50	<0.1	<50	<50	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
MW16	04-02-21	MW16_210204	ES2103740	N	< 1	< 2	**3**	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
MW18	04-02-21	MW18_210204	ES2103740	N	< 20	**1840**	**921**	**5850**	**2530**	--	--	**16.4**	**1.06**	< 0.1	< 0.05	**1.06**	**18.3**	**7.16**	**0.42**	**0.38**	< 0.1	< 0.1	**0.42**
	17-05-21	MW18_210517	ES2119435	N	< 50	**4240**	**1760**	**14900**	**6820**	--	--	**43.3**	**10.3**	**0.51**	< 0.05	**10.8**	**48.2**	**20.5**	**6.5**	**6.41**	**0.12**	< 0.1	**6.62**
	02-08-21	MW18_210802	ES2128316	N	< 50	**6870**	**2340**	**22800**	**9630**	--	--	**55.7**	**5.98**	**0.39**	< 0.05	**6.37**	**59.7**	**18.1**	**4.01**	**3.86**	< 0.1	< 0.1	**4.01**
	25-10-21	MW18_211025	ES2139089	N	< 50	**3940**	**1640**	**13600**	**5800**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	MW18_220117	ES2201344	N	< 50	**3360**	**1280**	**12800**	**4880**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	MW18_220433	ES2213975	N	< 20	**1880**	**1040**	**8010**	**3390**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	28-07-22	MW18_220728	ES2226931	N	< 20	**2330**	**1030**	**8320**	**4330**	**8477**	**129**	--	--	--	--	--	--	--	--	--	--	--	--
	28-07-22	QC200_220728	301771	FD	< 10	**2600**	**1300**	**12000**	**6900**	**12158**	**130**	**19**	--	--	--	--	**29**	**6.5**	--	--	--	--	--
	26-10-22	MW18_221026	ES2238895	N	< 50	**3110**	**1470**	**11400**	**6220**	**17600**	**162**	**33.5**	**3.44**	< 0.1	< 0.05	**3.44**	**47.1**	**24.9**	**1.3**	**1.14**	< 0.1	< 0.1	**1.3**
	23-01-23	MW18_230123	ES2302295	N	<20	**2720**	**1320**	**11,100**	**5300**	**16,400**	**136**	**22.4**	**2.79**	<0.1	<0.05	**2.79**	**24.6**	**4.16**	**0.95**	**0.81**	<0.1	<0.1	**0.95**
	12-04-23	MW18_230412	ES2312503	N	<1	**99**	**41**	**334**	**160**	**494**	<5	**0.86**	**4.02**	<0.1	<0.05	**4.02**	**0.95**	**0.32**	**1.5**	**1.5**	<0.1	<0.1	**1.5**
	28-08-23	MW18_230828	ES2329269	N	<50	**6190**	**3500**	**25,600**	**9930**	**35,500**	**157**	**40.8**	**5.27**	<0.1	<0.05	**5.27**	**44.1**	<0.10	**2.11**	**1.95**	<0.1	<0.1	**2.11**
	14-12-23	MW18_231214	ES2343929	N	<50	**3800**	**1760**	**12,000**	**4830**	**16,800**	**53**	**27**	**2.58**	<0.1	<50	**2.58**	**28**	**6.01**	**1.07**	**1.07**	<0.1	<0.1	**1.07**
MW19	10-09-20	MW19_200910	ES2031961	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	01-09-21	MW19_210901	ES2132156	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	25-10-21	MW19_211025	ES2139089	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	12-10-23	MW19_231012	ES2335426	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
MW20	10-09-20	MW20_200910	ES2031961	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	04-02-21	MW20_210204	ES2103740	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	01-09-21	MW20_210901	ES2132156	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	25-10-21	MW20_211025	ES2139089	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	12-10-23	MW20_231012	ES2335426	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
MW21	10-09-20	MW21_200910	ES2031961	N	< 5	**613** **664**	**2300** **2550**	**639** **667**	**620** **674**	**1341**	--	**7.48**	**1.5**	**0.13**	< 0.05	**1.63**	**7.69**	**3.52**	**1.34**	**0.98**	< 0.1	< 0.1	**1.34**
	04-02-21	MW21_210204	ES2103740	N	< 5	**43**	**988**	**317**	**206**	**523**	--	**2.44**	**0.17**	< 0.1	< 0.05	**0.17**	**2.64**	**1.09**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	01-09-21	MW21_210901	ES2132156	N	**6**	**9**	**1970**	**764**	**215**	**979**	--	**4.1**	**0.3**	< 0.1	< 0.05	**0.3**	**4.31**	**1.35**	**0.2**	**0.17**	< 0.1	< 0.1	**0.2**
	01-09-21	QC200_210901	276966	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	25-10-21	MW21_211025	ES2139089	N	**2**	< 2	**414**	**30**	**41**	**71**	--	**0.65**	**0.08**	< 0.1	< 0.05	**0.08**	**0.65**	**0.16**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	25-10-21	QC200_211025	836107	FD	**2**	**2**	**400**	--	--	--	--	--	--	--	--	--	**0.85**	**0.38**	**0.29**	**0.29**	**0.3**	< 0.1	**0.59**
	16-02-22	MW21_220216	ES2205509	N	**1**	**5**	**322**	**46**	**35**	**81**	--	**0.56**	< 0.05	< 0.1	< 0.05	< 0.05	**0.58**	**0.17**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	22-04-22	MW21_220442	ES2213975	N	< 1	< 2	< 2	< 2	< 2	<2	--	--	--	--	--	--	--	--	--	--	--	--	--
	23-06-22	MW21_220623	ES2222314	N	< 1	< 2	**39**	< 2	**8**	**8**	< 5	**0.08**	< 0.05	< 0.1	< 0.05	< 0.05	**0.09**	**0.04**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	27-07-22	MW21_220727	ES2226931	N	< 1	< 2	**24**	**4**	**5**	**9**	**7**	**0.05**	< 0.05	< 0.1	< 0.05	< 0.05	**0.07**	**0.04**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	12-10-23	MW21_231012	ES2335426	N	<1	<2	**21**	**3**	<2	**3**	<5	**0.04**	<0.05	<0.1	<0.05	<0.05	**0.05**	**0.03**	<0.1	<0.1	<0.1	<0.1	<0.1

Table T5 - Historical Analytical Results (EISB Period)

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

					BTEX							TPH					TRH - NEPM 2013						
					Benzene	Toluene	Ethylbenzene	m& p-Xylene	ortho-Xylene	Total Xylenes	Naphthalene	C6 - C9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 Fraction	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C10 - C16 Fraction minus Naphthalene (F2)	>C16 - C34 Fraction	>C34 - C40 Fraction	>C10 - C40 Fraction (sum)
				LOR	1	2	2	2	2	2	1	0.01	0.05	0.1	0.05	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.1
				Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/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
Sample Location	**Date Sampled**	**Sample ID**	**Work Order**	**Sample Type**																			
MW23	02-07-20	MW23_200702	ES2022847	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	04-08-20	MW23_200804	ES2026885	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	10-09-20	MW23_200910	ES2031961	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	14-10-20	MW23_201014	ES2035958	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	27-11-20	MW23_201127	ES2042231	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	22-12-20	MW23	ES2045602	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	19-01-21	MW23_210119	ES2101940	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	02-02-21	MW23_210202	ES2103552	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	26-03-21	MW23_210326	ES2111088	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	22-04-21	MW23_210422	ES2115072	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	21-05-21	MW23_210521	ES2119435	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	29-06-21	MW23_210629	ES2124055	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	03-08-21	MW23_210803	ES2128316	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	01-09-21	MW23_210901	ES2132156	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	27-10-21	MW23_211027	ES2139089	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	17-01-22	MW23_220117	ES2201344	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	22-04-22	MW23_220448	ES2213975	N	< 1	< 2	< 2	< 2	< 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12-05-22	MW23_220512	ES2216627	N	< 1	< 2	< 2	< 2	< 2	< 2	<5	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	27-10-22	MW23_221027	ES2238895	N	< 1	< 2	< 2	< 2	< 2	< 2	< 5	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	23-01-23	MW23_230123	ES2302295	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	13-04-23	MW23_230413	ES2312503	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	20-07-23	MW23_200723	ES2324461	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	12-10-23	MW23_231012	ES2335426	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	11-01-24	MW23_240111	ES2401128	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	19-04-24	MW23_240419	ES2412933	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.01	<0.05	<0.05	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
MW301	02-02-21	301_210202	ES2103552	N	< 100	**35200**	**16100**	**17800**	**8550**	--	--	**98.3**	**11.7**	**0.76**	< 0.05	**12.5**	**101**	**23.4**	**8.74**	**8.61**	**0.58**	< 0.1	**9.32**
	17-05-21	301_210517	ES2119435	N	**71**	**29000**	**15500**	**19700**	**7480**	--	--	**92.1**	**10.9**	**0.92**	< 0.05	**11.8**	**97.5**	**25.7**	**8.37**	**8.25**	**0.65**	< 0.1	**9.02**
	02-08-21	301_210802	ES2128316	N	< 100	**34500**	**18500**	**21200**	**9290**	--	--	**117**	**12.6**	**0.64**	< 0.05	**13.2**	**127**	**43.5**	**8.64**	**8.47**	**0.42**	< 0.1	**9.06**
	25-10-21	301_211025	ES2139089	N	< 100	**39800**	**19700**	**23600**	**9320**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	301_220117	ES2201344	N	**60**	**27800**	**14900**	**18500**	**8920**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	301_220432	ES2213975	N	< 200	**24600**	**14300**	**20500**	**10200**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	301_220727	ES2226931	N	< 50	**15000**	**6650**	**15800**	**7790**	**16006**	**158**	--	--	--	--	--	--	--	--	--	--	--	--
	26-10-22	301_221026	ES2238895	N	< 50	**18100**	**8700**	**17400**	**9910**	**27300**	**234**	**81.7**	**7.58**	**0.25**	< 0.05	**7.83**	**107**	**52.9**	**4.12**	**3.89**	< 0.1	< 0.1	**4.12**
	23-01-23	301_230123	ES2302295	N	<50	**24,600**	**8760**	**20,900**	**9250**	**30,200**	**208**	**71.5**	**7.52**	**1.08**	**0.08**	**8.68**	**75.5**	**12**	**4.98**	**4.77**	**0.97**	<0.1	**5.95**
	12-04-23	301_230412	ES2312503	N	<1	**468**	**202**	**432**	**189**	**621**	<5	**1.67**	**8.35**	**0.47**	<0.05	**8.82**	**1.76**	**0.47**	**5.76**	**5.76**	**0.29**	<0.1	**6.05**
	28-08-23	301_230828	ES2329269	N	<100	**31,500**	**14,000**	**23,600**	**10,800**	**34,400**	**164**	**93.4**	**11.9**	**0.28**	<0.05	**12.2**	**102**	**22.1**	**7.61**	**7.45**	**0.14**	<0.1	**7.75**
	14-12-23	301_231214	ES2343929	N	<50	**15,600**	**4940**	**17,200**	**9050**	**26,200**	**55**	**58**	**16**	**1.63**	**0.21**	**18**	**66**	**19**	**9.82**	**9.76**	**1.56**	<0.1	**11**
MW306	02-02-21	306_210202	ES2103552	N	**87**	**20000**	**12800**	**15600**	**7570**	--	--	**73.6**	**10.8**	**1.05**	**0.12**	**12**	**76.8**	**20.7**	**7.74**	**7.54**	**0.84**	< 0.1	**8.58**
	02-02-21	QC100_210202	ES2103552	FD	**91**	**22300**	**14200**	**16400**	**7360**	--	--	**72**	**11.5**	**1.02**	**0.12**	**12.6**	**74.9**	**14.5**	**8.33**	**8.19**	**0.82**	< 0.1	**9.15**
	17-05-21	306_210517	ES2119435	N	**66**	**19000**	**11600**	**16700**	**5990**	--	--	**70.4**	**10.7**	**0.75**	< 0.05	**11.4**	**75.3**	**21.9**	**7.25**	**7.12**	**0.53**	< 0.1	**7.78**
	02-08-21	306_210802	ES2128316	N	**71**	**21900**	**12800**	**22200**	**9990**	--	--	**94.4**	**8.81**	**0.53**	< 0.05	**9.34**	**104**	**37**	**5.92**	**5.76**	**0.21**	< 0.1	**6.13**
	25-10-21	306_211025	ES2139089	N	**69**	**22000**	**12600**	**23500**	**11400**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	306_220117	ES2201344	N	**74**	**16000**	**10600**	**15400**	**8920**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	306_220424	ES2213975	N	< 50	**12600**	**10900**	**22800**	**10800**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	23-06-22	306_220623	ES2222314	N	< 50	**11200**	**7210**	**19500**	**9430**	**19717**	**244**	--	--	--	--	--	--	--	--	--	--	--	--
	23-06-22	QC100_220623	ES2222314	FD	< 50	**12100**	**6930**	**19500**	**8990**	**19718**	**226**	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	306_220727	ES2226931	N	< 50	**9830**	**6400**	**17800**	**8110**	**18019**	**201**	**65.6**	**10**	**0.35**	< 0.05	**10.4**	**67**	**24.9**	**6.46**	**6.26**	< 0.1	< 0.1	**6.46**
	27-07-22	QC100_220727	ES2226931	FD	< 50	**10800**	**6870**	**18600**	**8940**	**18820**	**185**	**58**	**10.4**	**0.39**	< 0.05	**10.8**	**62.8**	**17.6**	**6.79**	**6.6**	< 0.1	< 0.1	**6.79**
	26-10-22	306_221026	ES2238895	N	< 50	**9680**	**6030**	**15400**	**7700**	**23100**	**209**	**54.7**	**9.65**	**0.23**	< 0.05	**9.88**	**73.9**	**35.1**	**5.66**	**5.45**	< 0.1	< 0.1	**5.66**
	23-01-23	306_230123	ES2302295	N	<50	**12,800**	**7790**	**14,400**	**6990**	**21,400**	**188**	**62.5**	**9.66**	**0.54**	<0.05	**10.2**	**71.2**	**29.2**	**5.54**	**5.35**	**0.39**	<0.1	**5.93**
	12-04-23	306_230412	ES2312503	N	**1**	**310**	**208**	**296**	**145**	**441**	<5	**1.32**	**5.47**	**0.26**	<0.05	**5.73**	**1.38**	**0.42**	**3.88**	**3.88**	**0.11**	<0.1	**3.99**
	28-08-23	306_230828	ES2329269	N	**61**	**18,200**	**9090**	**22,400**	**9760**	**32,200**	**208**	**63.7**	**9.47**	**0.19**	<0.05	**9.66**	**72.6**	**13.1**	**5.95**	**5.74**	**0.14**	<0.1	**6.09**
	14-12-23	306_231214	ES2343929	N	**57**	**20,100**	**13,700**	**17,600**	**8150**	**25,800**	**129**	**70**	**14**	**0.55**	<50	**14**	**77**	**18**	**9.48**	**9.35**	**0.27**	<0.1	**9.75**

Table T5 - Historical Analytical Results (EISB Period)

Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

					BTEX							TPH					TRH - NEPM 2013						
					Benzene	Toluene	Ethylbenzene	m& p-Xylene	ortho-Xylene	Total Xylenes	Naphthalene	C6 - C9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 Fraction	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C10 - C16 Fraction minus Naphthalene (F2)	>C16 - C34 Fraction	>C34 - C40 Fraction	>C10 - C40 Fraction (sum)
				LOR	1	2	2	2	2	2	1	0.01	0.05	0.1	0.05	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.1
				Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/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
Sample Location	**Date Sampled**	**Sample ID**	**Work Order**	**Sample Type**																			
MW308	02-02-21	308_210202	ES2103552	N	< 50	10500	3880	16400	9900	--	--	57.6	12.7	1.4	< 0.05	14.1	63	22.3	8.18	7.81	0.86	< 0.1	9.04
	02-02-21	QC200_210202	260958	FD	< 10	14000	4400	20000	12000	--	--	--	--	--	--	--	100	50	11	11	0.76	< 0.1	--
	17-05-21	308_210517	ES2119435	N	< 50	13100	7410	13500	5770	--	--	64.1	11.2	0.57	< 0.05	11.8	68.9	29.1	7.82	7.7	0.23	< 0.1	8.05
	02-08-21	308_210802	ES2128316	N	< 50	13300	6710	16800	8510	--	--	64.2	12.7	0.41	< 0.05	13.1	73.8	28.5	8.02	7.83	< 0.1	< 0.1	8.02
	25-10-21	308_211025	ES2139089	N	< 50	9720	3940	15500	9630	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	308_220117	ES2201344	N	< 50	11300	3600	13900	8240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	308_220434	ES2213975	N	< 50	11400	4940	12700	7380	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	308_220727	ES2226931	N	< 50	14200	4460	14200	8350	14431	187	--	--	--	--	--	--	--	--	--	--	--	--
	26-10-22	308_221026	ES2238895	N	< 50	18900	8620	14900	8080	23000	184	70.8	7.81	0.34	< 0.05	8.15	91.7	41.2	4.39	4.21	< 0.1	< 0.1	4.39
	23-01-23	308_230123	ES2302295	N	<50	18,900	9490	14,800	7770	22,600	182	76.8	6.91	0.43	<0.05	7.34	86.6	35.6	3.76	3.58	0.27	<0.1	4.03
	13-04-23	308_230413	ES2312503	N	<1	360	197	271	148	419	<5	1.32	5.72	0.36	<0.05	6.08	1.39	0.41	3.5	3.5	0.12	<0.1	3.62
	28-08-23	308_230828	ES2329269	N	<50	14,200	5760	16,800	9830	26,600	205	46.8	9.22	<0.1	<0.05	9.22	51.1	4.51	3.44	3.24	<0.1	<0.1	3.44
	14-12-23	308_231214	ES2343929	N	<50	14,600	5720	16,400	8490	24,900	208	55	8.04	0.15	<50	8.19	63	17	2.84	2.63	<0.1	<0.1	2.84
MW309	02-02-21	309_210202	ES2103552	N	< 20	973	1050	7740	4200	--	--	17.8	4.92	< 0.1	< 0.05	4.92	21	7.04	1.4	1.25	< 0.1	< 0.1	1.4
	02-08-21	309_210802	ES2128316	N	< 20	778	1040	7540	3720	--	--	18.2	4.48	< 0.1	< 0.05	4.48	25.4	12.3	1.38	1.27	< 0.1	< 0.1	1.38
	21-04-22	309_220436	ES2213975	N	< 5	84	215	1910	1130	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	26-10-22	309_221026	ES2238895	N	< 50	11400	2920	12800	6300	19100	157	46.2	5.49	0.66	< 0.05	6.15	60.7	27.3	3.22	3.06	0.28	< 0.1	3.5
	12-04-23	309_230412	ES2312503	N	<20	1080	1930	23,600	4080	27,700	138	30.8	13.4	2.61	<0.05	16	41.4	10.7	12.9	12.8	0.98	<0.1	13.9
	14-12-23	309_231214	ES2343929	N	<20	398	1040	5050	2210	7260	124	11	3.3	<0.1	<50	3.3	18	9.5	1.12	1	<0.1	<0.1	1.12
MW312	03-02-21	312_210203	ES2103604	N	< 20	3820	3000	7360	3650	--	--	27.3	5.02	0.28	< 0.05	5.3	32.8	15	1.9	1.4	0.16	< 0.1	2.06
	17-05-21	312_210517	ES2119435	N	< 10	99	1440	1830	1190	--	--	8.24	8.98	0.95	< 0.05	9.93	13.8	9.24	7.52	6.28	0.65	< 0.1	8.17
	03-08-21	312_210803	ES2128316	N	< 1	6	58	152	97	--	--	0.48	1.96	0.33	< 0.05	2.29	1.41	1.1	1.7	1.58	0.2	< 0.1	1.9
	25-10-21	312_211025	ES2139089	N	< 1	< 2	14	25	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	312_220117	ES2201344	N	< 1	2	6	11	44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	312_220425	ES2213975	N	< 1	< 2	< 2	< 2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	312_220727	ES2226931	N	< 1	162	105	248	300	494	161	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	312_221027	ES2238895	N	< 5	520	371	806	607	1410	320	3.24	3.75	< 0.1	< 0.05	3.75	4.05	1.75	3.51	3.19	< 0.1	< 0.1	3.51
	23-01-23	312_230123	ES2302295	N	<1	31	101	97	112	209	16	0.54	0.4	0.31	<0.05	0.71	0.63	0.29	0.45	0.43	0.26	<0.1	0.71
	12-04-23	312_230412	ES2312503	N	<1	6	8	28	28	56	<5	0.11	<0.05	0.15	<0.05	0.15	0.13	0.06	<0.1	<0.1	0.13	<0.1	0.13
	28-08-23	312_230828	ES2329269	N	<1	24	21	31	27	58	<5	0.13	0.2	0.13	<0.05	0.33	0.15	0.05	0.28	0.28	0.21	<0.1	0.49
	14-12-23	312_231214	ES2343929	N	<1	6	6	7	27	34	6	0.06	1.19	0.89	0.3	2.38	0.09	0.04	1.21	1.2	1.01	0.12	2.34
MW314	02-02-21	314_210202	ES2103552	N	< 50	18800	16500	18200	8360	--	--	74.4	4.43	0.14	< 0.05	4.57	77.8	15.9	1.69	1.53	< 0.1	< 0.1	1.69
	17-05-21	314_210517	ES2119435	N	< 50	17700	18600	14900	8140	--	--	98.5	10.8	0.3	< 0.05	11.1	103	43.7	6.02	5.88	< 0.1	< 0.1	6.02
	17-05-21	QC100_210517	ES2119435	FD	< 50	22700	18400	19400	9750	--	--	109	9.33	0.37	< 0.05	9.7	114	43.8	5.72	5.55	0.19	< 0.1	5.91
	02-08-21	314_210802	ES2128316	N	< 50	18500	19200	22400	10800	--	--	100	13.1	0.41	0.14	13.6	110	39.1	5.1	4.95	0.45	< 0.1	5.55
	25-10-21	314_211025	ES2139089	N	< 50	16200	18200	22000	10500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	314_220117	ES2201344	N	< 50	12300	13300	19000	8380	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	314_220421	ES2213975	N	< 50	10600	14400	19100	9050	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	314_220727	ES2226931	N	< 50	10600	9610	15300	8290	15557	156	--	--	--	--	--	--	--	--	--	--	--	--
	26-10-22	314_221026	ES2238895	N	< 50	11200	13300	15900	8580	24500	181	83.7	7.48	0.56	< 0.05	8.04	107	58	4.68	4.5	< 0.1	< 0.1	4.68
	23-01-23	314_230123	ES2302295	N	<50	11,600	13,400	17,200	7860	25,100	211	70.4	9.49	0.74	<0.05	10.2	79.6	29.5	6.54	6.33	0.3	<0.1	6.84
	12-04-23	314_230412	ES2312503	N	<1	200	282	321	165	486	<5	1.32	8.08	0.72	<0.05	8.8	1.39	0.42	5.14	5.14	0.25	<0.1	5.39
	28-08-23	314_230828	ES2329269	N	<50	11,300	16,100	19,200	8750	28,000	174	61.7	6.53	0.48	<0.05	7.01	68.6	13.2	3.54	3.37	<0.1	<0.1	3.54
	14-12-23	314_231214	ES2343929	N	<50	12,800	17,300	19,900	9300	29,200	152	71	7.23	0.45	<50	7.68	79	19	3.43	3.28	0.13	<0.1	3.56
MW315	03-02-21	315_210203	ES2103604	N	< 20	4080	5270	3180	1270	--	--	21.2	0.45	< 0.1	0.06	0.51	22.6	8.8	0.26	0.2	0.11	< 0.1	0.37
	17-05-21	315_210517	ES2119435	N	< 5	111	799	1080	770	--	--	4.63	1.5	0.13	< 0.05	1.63	5.7	2.94	1.47	1.46	< 0.1	< 0.1	1.47
	03-08-21	315_210803	ES2128316	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	25-10-21	315_211025	ES2139089	N	< 1	3	12	15	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	315_220117	ES2201344	N	< 1	11	3	4	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	315_220427	ES2213975	N	< 5	< 5	781	494	47	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	315_220727	ES2226931	N	< 1	< 2	< 2	< 2	< 2	< 2	< 5	--	--	--	--	--	--	--	--	--	--	--	--
	26-10-22	315_221026	ES2238895	N	< 1	< 2	< 2	< 2	< 2	< 2	< 5	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	<0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	23-01-23	315_230123	ES2302295	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	12-04-23	315_230412	ES2312503	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	28-08-23	315_230828	ES2329269	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<0.05	<0.1	<0.05	<0.05	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	14-12-23	315_231214	ES2343929	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<50	<0.1	<50	<50	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
MW32D	03-02-21	MW32D_210203	ES2103604	N	< 1	3	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	02-08-21	MW32D_210802	ES2128316	N	< 1	< 2	< 2	< 2	< 2	--	--	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	21-04-22	MW32D_220423	ES2213975	N	< 1	< 2	33	18	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	MW32D_221027	ES2238895	N	< 1	< 2	< 2	< 2	< 2	< 2	< 5	< 0.02	< 0.05	< 0.1	< 0.05	< 0.05	< 0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	13-04-23	MW32D_230413	ES2312503	N	<1	<2	26	3	<2	3	7	0.07	0.48	0.41	<0.05	0.89	0.08	0.05	0.65	0.64	0.21	<0.1	0.86

Table T5 - Historical Analytical Results (EISB Period)

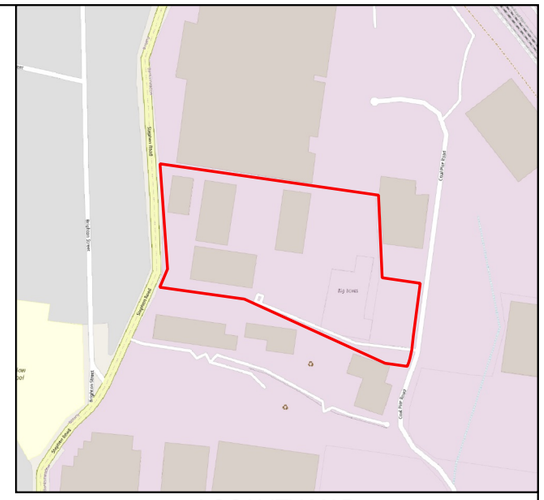
Client Name: Allnex Resins Australia Pty Ltd
Project Name: EISB Performance Report 5
Project No: 60539398

					BTEX							TPH					TRH - NEPM 2013						
					Benzene	Toluene	Ethylbenzene	m& p-Xylene	ortho-Xylene	Total Xylenes	Naphthalene	C6 - C9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 Fraction	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C10 - C16 Fraction minus Naphthalene (F2)	>C16 - C34 Fraction	>C34 - C40 Fraction	>C10 - C40 Fraction (sum)
				LOR	1	2	2	2	2	2	1	0.01	0.05	0.1	0.05	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.1
				Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/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
Sample Location	**Date Sampled**	**Sample ID**	**Work Order**	**Sample Type**																			
	14-12-23	MW32D_231214	ES2343929	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<50	<0.1	<50	<50	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
MW34D	03-02-21	MW34D_210203	ES2103604	N	< 1	5	121	135	7	--	--	0.56	0.35	< 0.1	< 0.05	0.35	0.94	0.67	0.22	0.17	< 0.1	< 0.1	0.22
	17-05-21	MW34D_210517	ES2119435	N	< 1	45	26	162	67	--	--	0.56	0.12	< 0.1	< 0.05	0.12	0.79	0.49	0.15	0.13	< 0.1	< 0.1	0.15
	03-08-21	MW34D 210803	ES2128316	N	< 1	5	15	20	8	--	--	0.13	0.28	< 0.1	< 0.05	0.28	0.2	0.15	0.26	0.26	< 0.1	< 0.1	0.26
	25-10-21	MW34D_211025	ES2139089	N	< 1	24	79	202	103	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	17-01-22	MW34D_220117	ES2201344	N	< 1	10	28	102	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	21-04-22	MW34D_220437	ES2213975	N	< 1	11	68	50	37	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-07-22	MW34D_220727	ES2226931	N	< 5	9	354	1470	35	1752	28	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	MW34D_221027	ES2238895	N	< 1	21	44	126	115	241	20	0.49	0.35	< 0.1	< 0.05	0.35	0.62	0.31	0.31	0.29	< 0.1	< 0.1	0.31
	23-01-23	MW34D_230123	ES2302295	N	<1	61	49	59	41	100	16	0.46	0.43	<0.1	<0.05	0.43	0.59	0.38	0.4	0.38	<0.1	<0.1	0.4
	13-04-23	MW34D_230413	ES2312503	N	<1	70	342	175	87	262	6	0.94	0.7	0.2	<0.05	0.9	1	0.33	0.82	0.81	<0.1	<0.1	0.82
	28-08-23	MW34D_230828	ES2329269	N	<1	<2	31	16	3	19	<5	0.11	0.16	<0.1	<0.05	0.16	0.14	0.09	0.22	0.22	<0.1	<0.1	0.22
	14-12-23	MW34D_231214	ES2343929	N	<1	<2	8	10	<2	10	<5	0.06	0.09	<0.1	<50	0.09	0.07	0.05	<0.1	<0.1	<0.1	<0.1	<0.1
MW40D	03-02-21	MW40D_210203	ES2103604	N	< 50	5650	8000	3610	1640	5250	--	28.4	3.92	0.33	< 0.05	4.25	30.7	11.8	2.06	1.62	0.27	< 0.1	2.33
	03-08-21	MW40D_210803	ES2128316	N	< 10	1280	4230	1750	769	2519	--	11.2	3.02	< 0.1	< 0.05	3.02	13.4	5.37	2.26	2.01	< 0.1	< 0.1	2.26
	22-04-22	MW40D_220443	ES2213975	N	< 5	136	570	351	300	651	--	--	--	--	--	--	--	--	--	--	--	--	--
	22-04-22	QC200_220422	293970	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	MW40D_221027	ES2238895	N	< 50	5920	14000	6270	2780	9050	364	40.2	2.64	< 0.1	< 0.05	2.64	43.7	14.7	1.36	1	< 0.1	< 0.1	1.36
	21-03-23	MW40D_230321	ES2309466	N	<1	<2	26	11	9	20	<5	0.08	1	<0.1	<0.05	1	0.12	0.07	0.6	0.6	<0.1	<0.1	0.6
	13-04-23	MW40D_230413	ES2312503	N	<1	18	794	297	284	581	156	2.6	0.73	<0.1	<0.05	0.73	4.18	2.79	0.47	0.31	<0.1	<0.1	0.47
	18-05-23	MW40D_230518	ES2316804	N	<1	6	281	52	89	141	137	0.73	0.59	0.12	<0.05	0.71	1.3	0.87	0.42	0.28	<0.1	<0.1	0.42
	19-06-23	MW40D_230619	ES2320628	N	<1	4	172	24	51	75	69	0.44	0.41	0.27	<0.05	0.68	0.83	0.58	0.34	0.27	0.22	<0.1	0.56
	15-12-23	MW40D_231215	ES2343929	N	<1	4	21	3	6	9	9	0.06	0.13	<0.1	<50	0.13	0.07	0.04	0.14	0.13	<0.1	<0.1	0.13
MW40S	03-02-21	MW40S_210203	ES2103604	N	< 100	14300	8960	10400	5580	--	--	57.4	6.32	0.59	< 0.05	6.91	60.7	21.5	3.89	3.63	0.36	< 0.1	4.25
	03-08-21	MW40S_210803	ES2128316	N	< 20	7300	8160	6670	3880	--	--	38.7	7.4	< 0.1	< 0.05	7.4	43.6	17.6	4.57	4.38	< 0.1	< 0.1	4.57
	22-04-22	MW40S_220449	ES2213975	N	< 10	808	563	2370	1980	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	22-04-22	QC100_220447	ES2213975	FD	< 10	755	532	2550	1900	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	23-06-22	MW40S_220623	ES2222314	N	< 5	949	581	1420	1030	1717	82	6.35	2.68	0.18	< 0.05	2.86	8.47	4.49	2.19	2.11	< 0.1	< 0.1	2.19
	28-07-22	MW40S_220728	ES2226931	N	< 10	1020	453	1220	729	1518	50	4.19	8.84	0.21	< 0.05	9.05	5.53	2.11	4.84	4.79	< 0.1	< 0.1	4.84
	27-10-22	MW40S_221027	ES2238895	N	< 5	167	286	539	361	900	41	1.91	1.79	< 0.1	< 0.05	1.79	2.85	1.5	1.45	1.41	< 0.1	< 0.1	1.45
	13-04-23	MW40S_230413	ES2312503	N	<5	1370	1010	1950	1240	3190	66	10.1	1.34	<0.1	<0.05	1.34	13	7.43	0.99	0.92	<0.1	<0.1	0.99
	15-12-23	MW40S_231215	ES2343929	N	<10	2400	1260	4550	2520	7070	111	13	3.45	0.33	<50	3.78	18	7.17	1.94	1.83	0.22	<0.1	2.16
MW41D	03-02-21	MW41D_210203	ES2103604	N	< 20	79	6380	3070	1520	--	--	18.3	7.09	0.19	< 0.05	7.28	22.2	11.2	1.74	0.81	0.15	< 0.1	1.89
	03-08-21	MW41D_210803	ES2128316	N	< 5	< 5	486	192	130	--	--	1.19	1.46	< 0.1	< 0.05	1.46	2.8	1.99	1.06	0.76	< 0.1	< 0.1	1.06
	21-04-22	MW41D_220430	ES2213975	N	2	< 2	31	< 2	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	27-10-22	MW41D_221027	ES2238895	N	< 5	169	515	375	255	630	93	1.9	1.28	< 0.1	< 0.05	1.28	2.58	1.27	1.07	0.98	< 0.1	< 0.1	1.07
	13-04-23	QC200	981746	FT	<2	14	120	58	110	170	140	0.33	1.7	0.7	0.1	2.5	0.75	0.45	1.7	1.56	0.6	<0.1	2.3
	13-04-23	MW41D_230413	ES2312503	N	<1	15	114	59	106	165	109	0.58	0.83	0.39	<0.05	1.22	0.98	0.69	0.92	0.81	0.25	<0.1	1.17
	13-04-23	QC100_230413	ES2312503	FD	<1	16	104	60	104	164	105	0.44	1.02	0.38	<0.05	1.4	0.66	0.38	1.06	0.96	0.26	<0.1	1.32
	15-12-23	MW41D_231215	ES2343929	N	<1	<2	<2	<2	<2	<2	<5	<0.02	<50	<0.1	<50	<50	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
	15-12-23	QC101_231215	ES2343929	FD	<1	<2	<2	<2	<2	<2	<5	<0.02	<50	<0.1	<50	<50	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
MW41S	03-02-21	MW41S_210203	ES2103604	N	< 20	44	3430	2350	1410	--	--	11.3	7.41	0.26	< 0.05	7.67	17.1	9.87	1.97	0.68	0.2	< 0.1	2.17
	03-08-21	MW41S_210803	ES2128316	N	< 5	6	412	626	612	--	--	2.42	3.56	< 0.1	< 0.05	3.56	7.92	6.26	1.6	0.97	< 0.1	< 0.1	1.6
	21-04-22	MW41S_220431	ES2213975	N	1	< 2	23	40	103	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	28-07-22	MW41S_220728	ES2226931	N	< 5	< 5	17	238	935	549	89	1.57	3.22	0.65	< 0.05	3.87	2.96	1.77	2.98	2.89	0.4	< 0.1	3.38
	27-10-22	MW41S_221027	ES2238895	N	< 5	1620	467	1520	1510	3030	128	8.37	3.87	0.69	< 0.05	4.56	10.4	5.28	3.38	3.25	0.3	< 0.1	3.68
	23-01-23	MW41S_230123	ES2302295	N	<5	1330	899	2090	1500	3590	167	9.31	3.21	0.39	<0.05	3.6	11.8	5.98	2.49	2.32	0.24	<0.1	2.73
	13-04-23	QC201	981746	FT	<5	98	260	850	1000	1900	180	2.1	7.2	2.1	<0.1	9.3	5.4	3.2	6.6	6.42	1.3	<0.1	7.9
	13-04-23	MW41S_230413	ES2312503	N	<5	90	1140	4110	4670	8780	119	3.89	6.04	1.58	<0.05	7.62	6.5	<0.1	5.98	5.86	0.85	<0.1	6.83
	13-04-23	QC101_230413	ES2312503	FD	<5	105	1180	3960	4480	8440	122	3.02	5.93	1.53	0.1	7.56	4.19	<0.1	5.82	5.7	0.91	<0.1	6.73
	15-12-23	MW41S_231215	ES2343929	N	<1	<2	<2	49	8	57	<5	0.08	<50	<0.1	<50	<50	0.18	0.12	<0.1	<0.1	<0.1	<0.1	<0.1

Legend:
-- Not analysed / not calculated
LOR = Limit of Reporting
* LOR Exceeds Guideline Trigger Value
Sample Type: N = Primary, FD = Duplicate, FT = Triplicate
mg/l = Milligrams per litre (ppm w/v)
ug/l = Micrograms per litre (ppb)

Appendix D4

DP (2024) - Extracted Drawings, Summary Results Tables and Logs



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries and property locations are approximate only.
4. Properties (and associated co-ordinates) are based on information provided on the NSW EPA online database accessed on 20 August 2024.
5. Site (Allnex) also a notified property.

Legend

- Site Boundary
- Contamination regulated under the POEO Act
- Contamination regulated under the CLM Act
- Regulation under the CLM Act not required
- Contamination being managed via the planning process (EP&A Act)
- Regulation being finalised

0 250 500 750 1,000 m

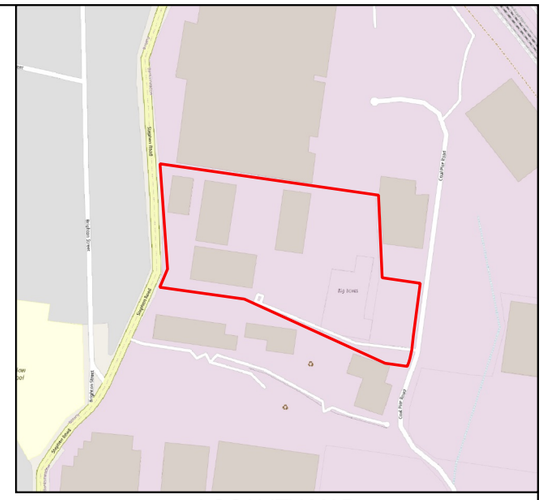
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:15000 @ A3	DATE:	09.09.2024

TITLE: **NSW EPA Section 60 Contaminated Land Notified Properties**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	2
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Sample locations within buildings are approximate only.

Legend

- Site Boundary

Test Locations

- DP Environmental Borehole
- DP Geotechnical Borehole
- DP Geotechnical CPT
- DP Soil Vapour Port
- DP Groundwater Well
- AECOM Groundwater Well
- Orica Groundwater Well
- JBS&G Groundwater Well

0 10 20 30 40 50 60 70 80 m

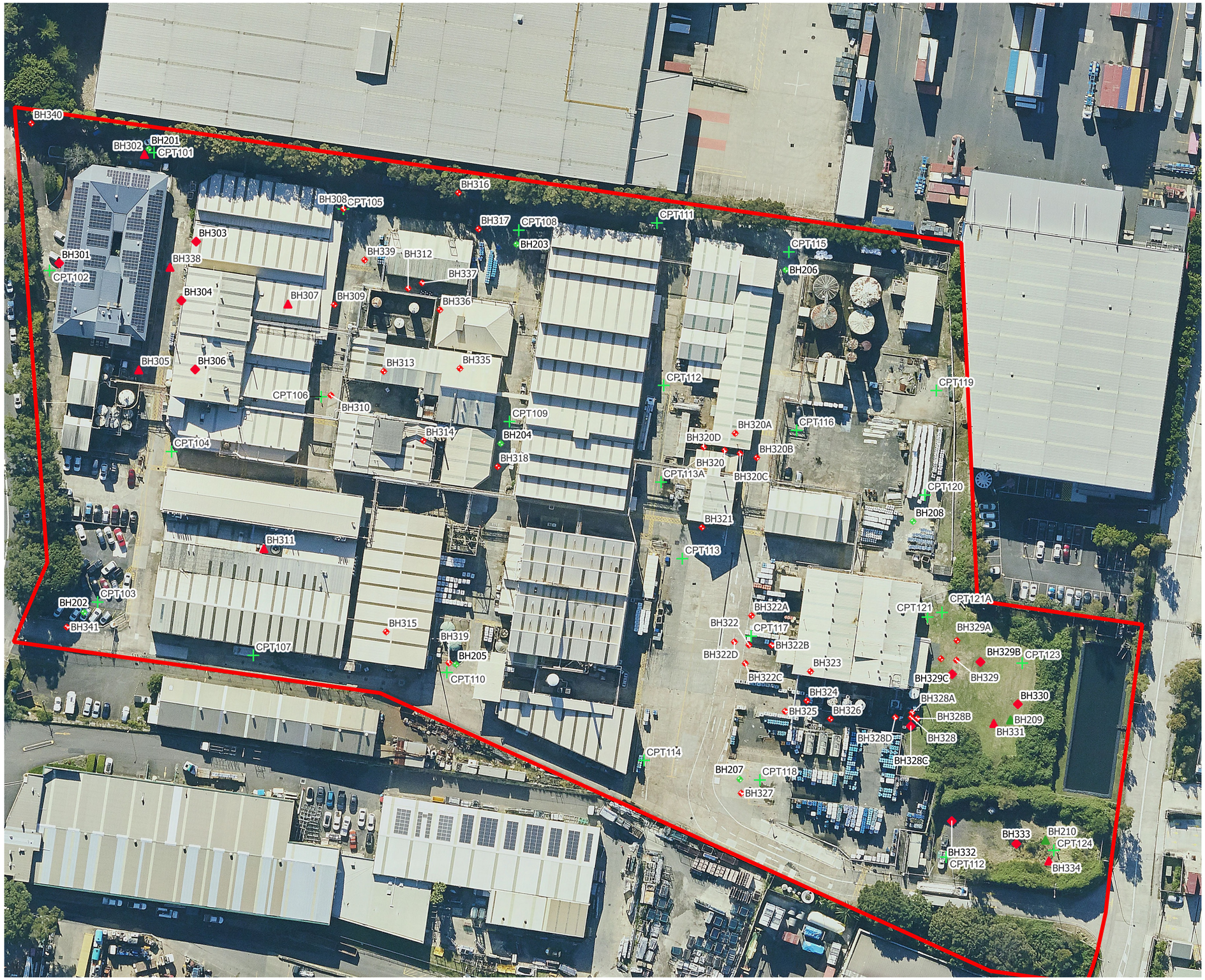
Douglas Partners
Geotechnics / Environment / Groundwater

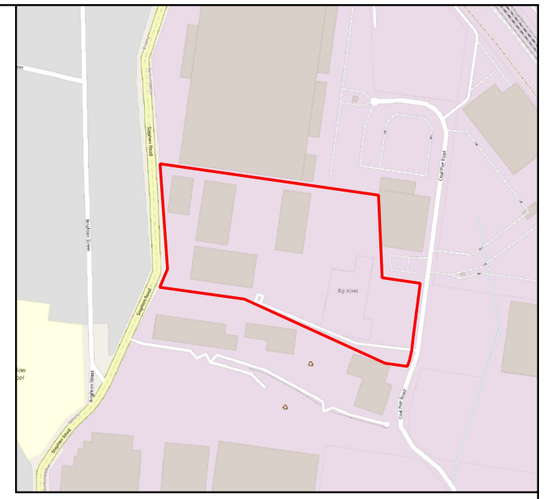
CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	09.09.2024

TITLE: **Current Investigation - All Sample Locations**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	6
REVISION:	0





LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Sample locations within buildings are approximate only.

Legend

- Site Boundary

Soil Sample Locations

- Environmental Borehole
- Geotechnical Borehole
- DP Geotechnical CPT
- Groundwater Well
- Soil Vapour Port

0 10 20 30 40 50 60 70 80 m

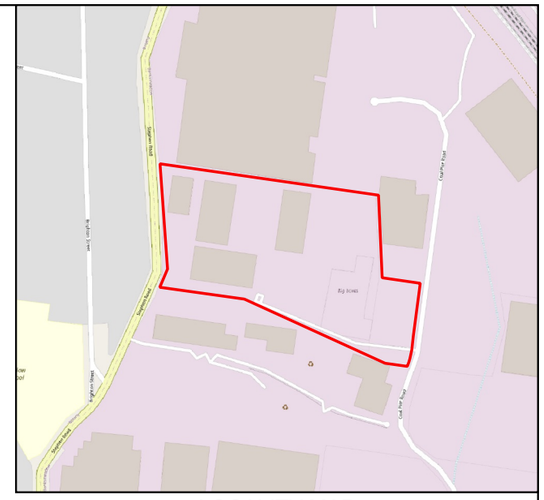
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	19.09.2024

TITLE: **Current Investigation - Soil Sample Locations**
Proposed Warehouse Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	6a
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations within buildings are approximate only.

Legend

- Site Boundary

Groundwater Wells Sampled for Current Investigation

- AECOM Groundwater Well
- ORICA Groundwater Well
- JBS&G Groundwater Well
- DP Groundwater Well

0 10 20 30 40 50 60 70 80 m

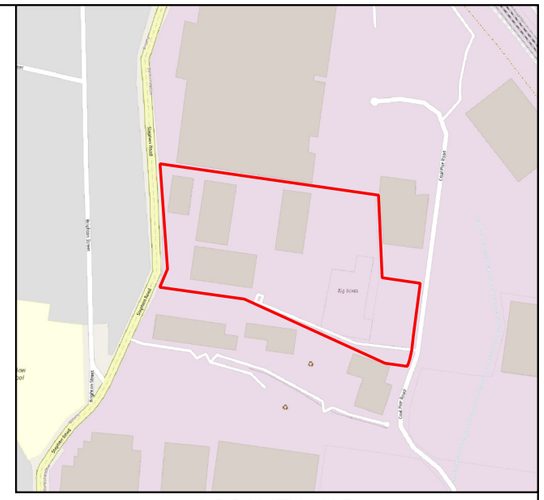
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	04.09.2024

TITLE: **Current Investigation - Groundwater Sample Locations**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	6b
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations within buildings are approximate only.

Legend

- Site Boundary

Current Investigation

- Soil Vapour Ports

Previous Investigation

- JBS&G Soil Vapour Pins

0 10 20 30 40 50 60 70 80 m

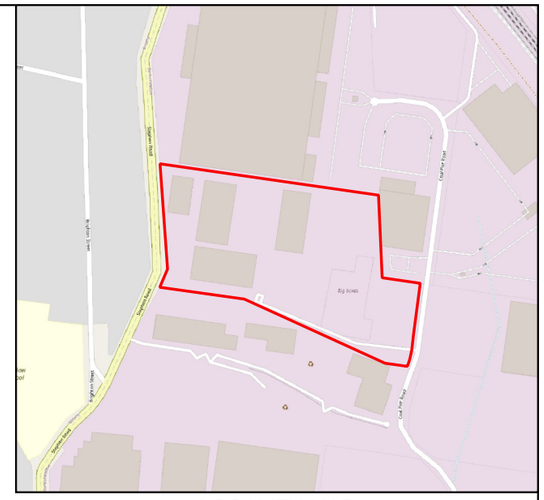
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	04.09.2024

TITLE: **Current and Previous Investigations - Soil Vapour Sample Locations**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	6c
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations inside buildings are approximate only.
5. PID screening results included from JBS&G's report on 'Detailed Site Investigation, 49-61 Stephen Road, Botany NSW' dated 19 January 2023.
6. PID = Photoionisation detector
7. bgl = below ground level

Legend

- Site Boundary

PID Field Results (0-2.5m bgl)

- 3501->5000 ppm
- 1501-3500 ppm
- 501-1500 ppm
- 101-500 ppm
- 21-100 ppm
- 0-20 ppm

0 10 20 30 40 50 60 70 80 m

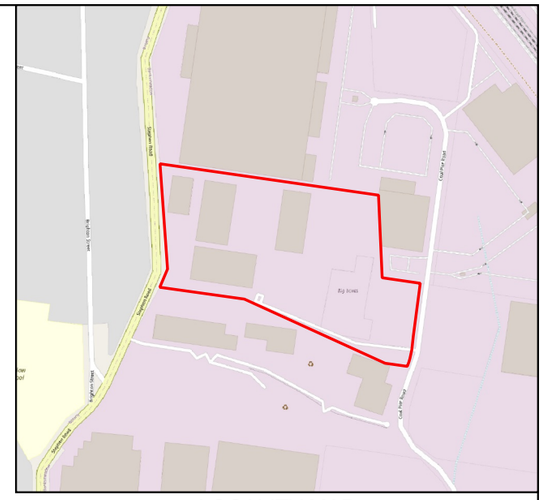
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	19.09.2024

TITLE: **Summary of PID Field Results - 0-2.5m (bgl)**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	7
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations inside buildings are approximate only.
5. PID screening results included from JBS&G's report on 'Detailed Site Investigation, 49-61 Stephen Road, Botany NSW' dated 19 January 2023.
6. PID = Photoionisation detector
7. bgl = below ground level

Legend

- Site Boundary

PID Field Results (2.5-4.5m bgl)

- 3501->5000 ppm
- 1501-3500 ppm
- 501-1500 ppm
- 101-500 ppm
- 21-100 ppm
- 0-20 ppm

0 10 20 30 40 50 60 70 80 m

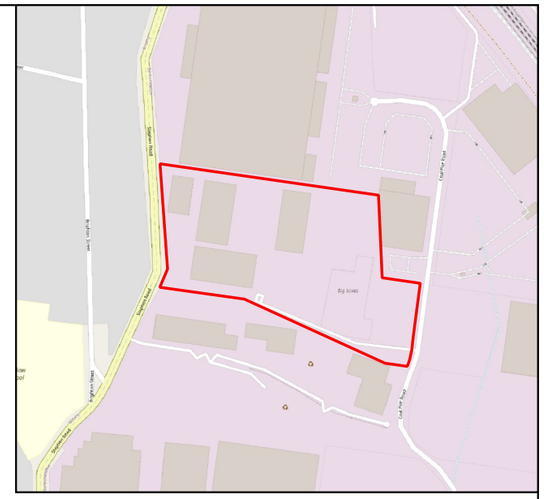
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	19.09.2024

TITLE: **Summary of PID Field Results - 2.5-4.5m (bgl)**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	7a
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations inside buildings are approximate only.
5. PID screening results included from JBS&G's report on 'Detailed Site Investigation, 49-61 Stephen Road, Botany NSW' dated 19 January 2023.
6. PID = Photoionisation detector
7. bgl = below ground level

Legend

- Site Boundary

PID Field Results (>4.5m bgl)

- 3501->5000 ppm
- 1501-3500 ppm
- 501-1500 ppm
- 101-500 ppm
- 21-100 ppm
- 0-20 ppm

0 10 20 30 40 50 60 70 80 m

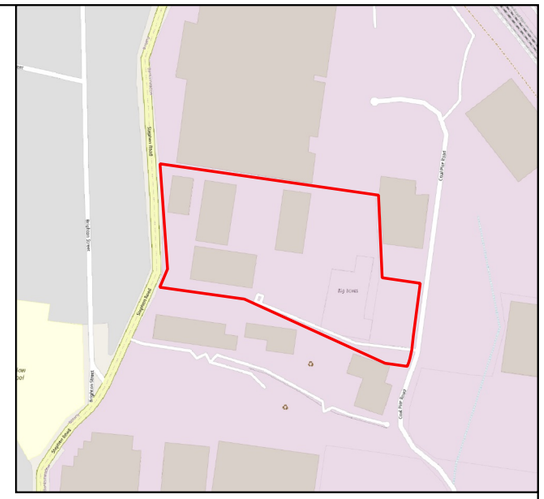
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	19.09.2024

TITLE: **Summary of PID Field Results - Below 4.5m (bgl)**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	7b
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations within buildings are approximate only.
5. Results are summarised from DP's current investgation and JBS&G previous investigation.
6. Odours extracted from JBS&G 'Soil Borehole Logs', (Appendix D from JBS&G report) dated 19/01/2023.
7. bgl = below ground level

Legend

Site Boundary

Odours Observed During Fieldwork

Hydrocarbon Odour

0 10 20 30 40 50 60 70 80 m

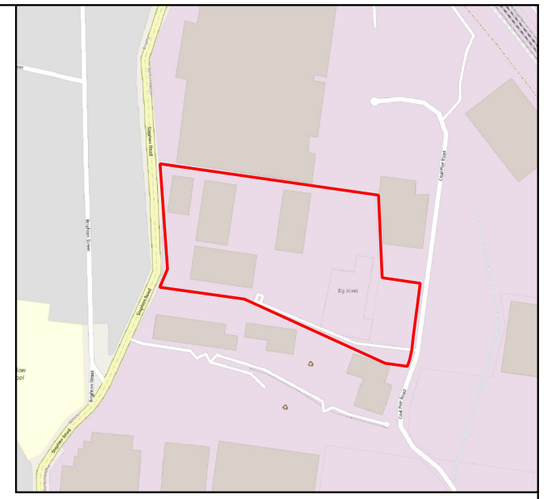
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	09.09.2024

TITLE: **Summary of Odours Observed During Fieldwork - 0-2.5m (bgl)**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	7c
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations within buildings are approximate only.
5. Results are summarised from DP's current investgation and JBS&G previous investigation.
6. Odours extracted from JBS&G 'Soil Borehole Logs', (Appendix D from JBS&G report) dated 19/01/2023.
7. bgl = below ground level

Legend

- Site Boundary

Odours Observed During Fieldwork

- Hydrocarbon Odour
- Sweet Odour
- Chemical Odour
- Rotten Cheese Like Odour
- Hydrocarbon and Sulphuric Odours

0 10 20 30 40 50 60 70 80 m

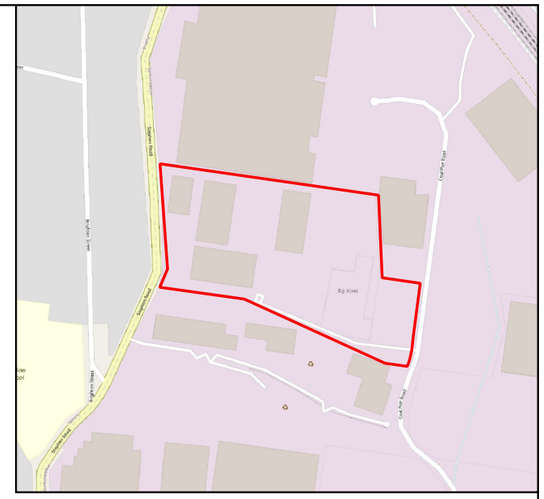
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	09.09.2024

TITLE: **Summary of Odours Observed During Fieldwork - 2.5-4.5m (bgl)**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	7d
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations within buildings are approximate only.
5. Results are summarised from DP's current investgation and JBS&G previous investigation.
6. Odours extracted from JBS&G 'Soil Borehole Logs', (Appendix D from JBS&G report) dated 19/01/2023.
7. bgl = below ground level

Legend

- Site Boundary

Odours Observed During Fieldwork

- Hydrocarbon Odour
- Sweet Odour
- Chemical Odour
- Rotten Cheese Like Odour
- Sulphuric Odour
- Hydrocarbon and Sulphuric Odours
- Chemical and Sulphuric Odours
- Rotten Cheese Like and Sulphuric Odours
- Hydrocarbon, Chemical and Sulphuric Odours

0 10 20 30 40 50 60 70 80 m

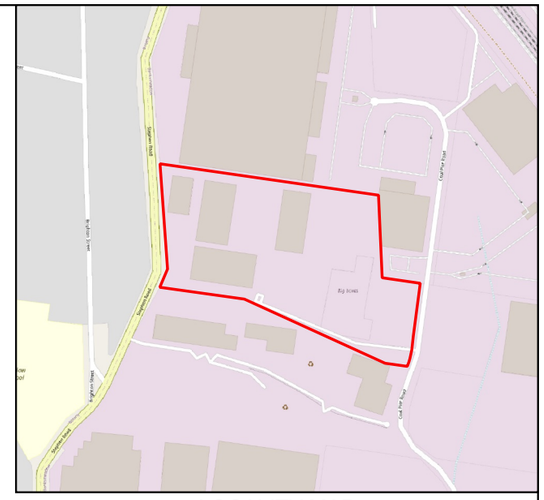
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	09.09.2024

TITLE: **Summary of Odours Observed During Fieldwork - Below 4.5m (bgl)**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	7e
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations within buildings are approximate only.
5. Groundwater contours are approximate only generated from groundwater levels gauged from 8-10 November 2023.
6. AHD = Australian height datum

Legend

- Site Boundary

Groundwater Wells Gauged for Groundwater Levels

- AECOM Groundwater Well
- ORICA Groundwater Well
- JBS&G Groundwater Well
- DP Groundwater Well

0 10 20 30 40 50 60 70 80 m

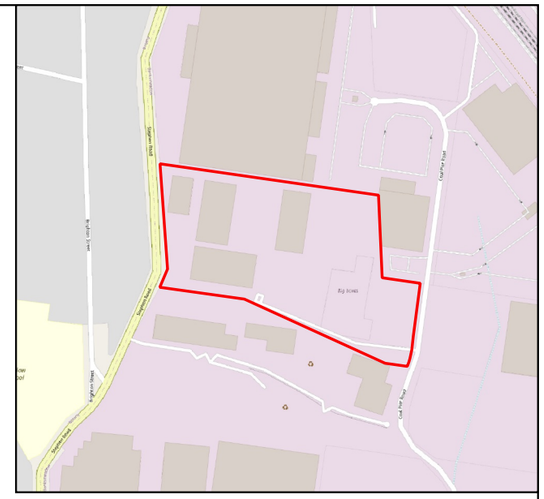
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	19.09.2024

TITLE: **Groundwater Contours (AHD) - 8-10 November 2023**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	8
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Main areas of concern are indicative only. Areas may change or other areas may be identified during works.
5. Lighted shaded areas for Area 1, Area 2 , Area 3 and Area 4 are indicative contingency areas for consideration.
6. AST = Above ground Storage Tank

Legend

- Site Boundary
- Area1
- Area 2
- Area 3
- Area 4
- Area 5
- Area 6
- AST Farm - Footprint to be checked post demolition

0 10 20 30 40 50 60 70 80 m

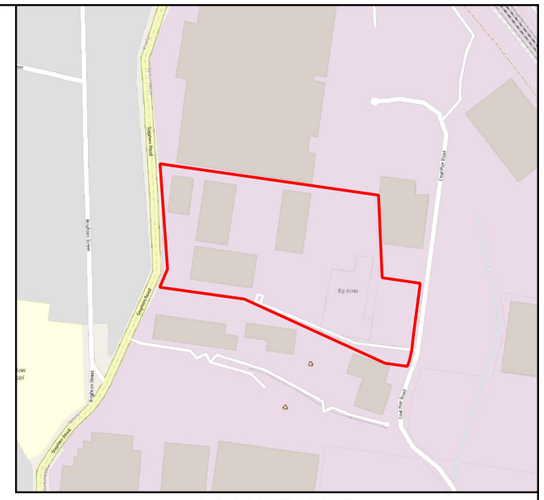
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	23.09.2024

TITLE: **Main Areas of Contamination Concern**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	9
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations within buildings are approximate only.
5. LRL = Laboratory reporting limit
6. JBS&G asbestos results extracted from JBS&G 'Table A1 - Results of Soil Analysis', JBS&G report dated 19/01/2023.

Legend

- Site Boundary

Asbestos Sample Locations

- AF/FA Detections
- ACM Fragments in Fill
- AF/FA Detections and ACM Fragments in Fill
- No Asbestos Detection Above LRL - Current DP Investigation
- No Asbestos Detection Above LRL - Previous JBS&G Investigation

0 10 20 30 40 50 60 70 80 m

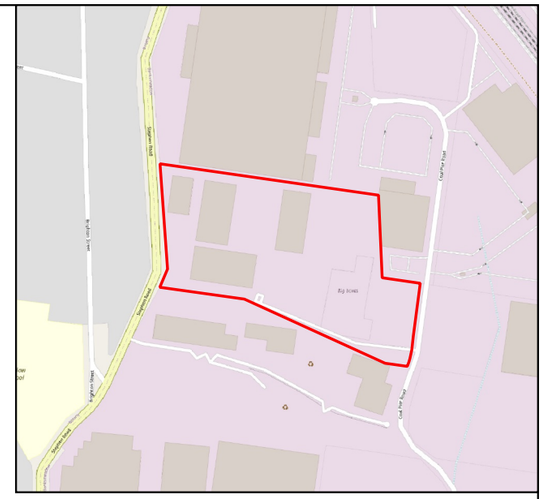
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	09.09.2024

TITLE: **Summary of Asbestos Results**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	12
REVISION:	0



LOCALITY MAP

Notes:
1. Drawing projection GDA2020 / MGA zone 56.
2. Aerial imagery sourced from Metromaps.
3. Boundaries are approximate only.
4. Locations within buildings are approximate only.
5. Surface soils is defined as being sampled from the topsoil layer or directly below building slabs/pavements.
6. LRL = Laboratory reporting limit
7. JBS&G asbestos results extracted from JBS&G 'Table A1 - Results of Soil Analysis', dated 19 Janurary 2023.

Legend

- Site Boundary

Asbestos Sample Locations

- AF/FA Detection
- ACM Fragment in Fill
- AF/FA Detection and ACM Fragment in Fill
- No Asbestos Detection Above LRL - Current DP Investigation
- No Asbestos Detection Above LRL - Previous JBS&G Investigation

0 10 20 30 40 50 60 70 80 m

Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	ESR Australia		
OFFICE:	Sydney	DRAWN BY:	PJ
SCALE:	1:1100 @ A3	DATE:	20.09.2024

TITLE: **Summary of Asbestos Results (Surface Soils Only)**
Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

N

PROJECT No:	219609.01
DRAWING No:	12a
REVISION:	0

Table J1: Summary of Soil Laboratory Results

				TRH											TPH						BTEX											MAH								
				C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	C6-C9 Fraction	C6-C10 Fraction	C10-C14Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	Benzene	Benzene- ASLP	Toluene	Toluene - ASLP	Ethylbenzene	Ethylbenzene- ASLP	Xylene (m & p)	Xylene (m & p) - ASLP	Xylene (o)	Xylene (o) - ASLP	Xylene Total	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LRL				10	50	50	100	100	10	10	50	100	100	50	50	50	100	100	50	100	100	0.2	1	0.5	1	0.5	1	0.5	2	0.5	1	0.5	1	1	1	1	1	1	1	1	1
NEPC(2013) HILs for Comm/Ind D, Soil					20,000		27,000	38,000		26,000												430		99,000		27,000					81,000									
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				370 / 630		NL																3		NL		NL					NL									
NEPC (2013) Management Limits Comm/Ind, Sand					1,000		3,500	10,000		700																														
VMP, Allnex (2020)																									1000		1000		1000		1000									
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																																1,800	1,500	9,900	58,000	24,000		120,000	35,000	120,000
Sample ID	**Sample Depth**	**Matrix**	**Date**																																					
201	**1.9 - 2**	**Fill**	**06 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
201	**12 - 12.3**	**Natural**	**06 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
202	**0.15 - 0.25**	**Fill**	**01 Sep 2023**	<25	<50	<50	**520**	**700**	<25	<25	<50	**170**	**570**	**740**	**1,200**	<50	<100	**120**	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
202	**0.5 - 0.7**	**Natural**	**01 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230901^	**0.5 - 0.7**	**Natural**	**01 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
202	**0.8 - 1**	**Natural**	**01 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230901^	**0.8 - 1**	**Natural**	**01 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
202	**1.5 - 1.7**	**Natural**	**01 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD3/20230901^	**1.5 - 1.7**	**Natural**	**01 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
202	**5.5 - 5.95**	**Natural**	**01 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
202	**7.5 - 7.95**	**Natural**	**01 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
202	**10.5 - 10.95**	**Natural**	**01 Sep 2023**	-	<50	<50	<100	<100	-	-	<50	<100	<100	<50	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**18 - 18.45**	**Natural**	**01 Sep 2023**	<25	<50	<50	**280**	**100**	<25	<25	<50	<100	**270**	**270**	**380**	<50	**230**	<100	<50	**130**	**130**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
202	**19.5 - 19.95**	**Natural**	**01 Sep 2023**	-	<50	<50	<100	<100	-	-	<50	<100	<100	<50	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**0.25 - 0.35**	**Fill**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
203	**0.6 - 0.8**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230905*	**0.6 - 0.8**	**Natural**	**05 Sep 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
203	**1.5 - 1.7**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230905*	**1.5 - 1.7**	**Natural**	**05 Sep 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
203	**2 - 2.2**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD3/20230905*	**2 - 2.2**	**Natural**	**05 Sep 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
203	**4 - 4.45**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
203	**5 - 5.2**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD4/20230905^	**5 - 5.2**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
203	**5.5 - 5.95**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
203	**8 - 8.35**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
203	**14 - 14.45**	**Natural**	**05 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
203	**17 - 17.45**	**Natural**	**05 Sep 2023**	<25	<50	<50	**530**	**190**	<25	<25	<50	**120**	**530**	**660**	**720**	**72**	**480**	<100	**55**	**210**	**340**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
203	**18.5 - 18.8**	**Natural**	**05 Sep 2023**	-	<50	<50	<100	<100	-	-	<50	<100	<100	<50	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**0.5 - 0.7**	**Fill**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
204	**1.5 - 1.7**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230904^	**1.5 - 1.7**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
204	**2 - 2.2**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230904^	**2 - 2.2**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
204	**4.5 - 4.7**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD3/20230904^	**4.5 - 4.7**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
204	**5 - 5.2**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD4/20230904^	**5 - 5.2**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
204	**8 - 8.38**	**Natural**	**04 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
204	**17 - 17.45**	**Natural**	**04 Sep 2023**	<25	<150	<150	**960**	**490**	<25	<25	<150	<300	**940**	**940**	**1,400**	<150	**590**	<300	<150	<300	**450**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD5/20230904^	**17 - 17.45**	**Natural**	**04 Sep 2023**	<25	<150	<150	**360**	<300	<25	<25	<150	<300	**360**	**360**	**360**	<50	**200**	<100	<50	<100	**150**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
204	**20 - 20.4**	**Natural**	**04 Sep 2023**	-	<50	<50	<100	<100	-	-	<50	<100	<100	<50	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**9 - 9.3**	**Natural**	**07 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
205	**10 - 10.45**	**Natural**	**07 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
205	**13 - 13.45**	**Natural**	**07 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
205	**17 - 17.45**	**Natural**	**07 Sep 2023**	<25	<50	<50	**980**	**570**	<25	<25	<50	**330**	**960**	**1,300**	**1,600**	<50	**300**	<100	<50	**100**	**270**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
206	**0.15 - 0.25**	**Fill**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
206	**0.5 - 0.7**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230908^	**0.5 - 0.7**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
206	**1.5 - 1.7**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230908^	**1.5 - 1.7**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
206	**2 - 2.2**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD3/20230908^	**2 - 2.2**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
206	**5 - 5.2**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD4/20230908^	**5 - 5.2**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
206	**5.5 - 5.95**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
206	**9.5 - 9.8**	**Natural**	**08 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
206	**16.5 - 16.95**	**Natural**	**08 Sep 2023**	<25	<50	<50	**810**	**410**	<25	<25	<50	**220**	**810**	**1,000**	**1,200**	<50	**230**	<100	<50	<100	**200**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
207	**14 - 14.45**	**Natural**	**31 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
207	**15 - 15.45**	**Natural**	**31 Aug 2023**	<25	<100	<100	**630**	**280**	<25	<25	<100	<200	**680**	**680**	**900**	<100	**360**	<100	<100	<200	**280**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
207	**20 - 20.38**	**Natural**	**31 Aug 2023**	-	<50	<50	<100	<100	-	-	<50	<100	<100	<50	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**0.2 - 0.4**	**Fill**	**30 Aug 2023**	<25	<50	<50	**190**	**110**	<25	<25	<50	<100	**140**	**140**	**300**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
208	**1 - 1.45**	**Fill**	**30 Aug 2023**	<25	<50	<50	**250**	<100	<25	<25	<50	**120**	**180**	**300**	**250**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
208/PACM3	**1.45**	**Material**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**1.5 - 1.7**	**Fill**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**2.3 - 2.5**	**Natural**	**30 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230830^	**2.3 - 2.5**	**Natural**	**30 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
208	**5.5 - 5.95**	**Natural**	**30 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
208	**7.5 - 7.95**	**Natural**	**30 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
208	**8.5 - 8.95**	**Natural**	**30 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
208	**13.5 - 13.95**	**Natural**	**30 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
208	**15.5 - 15.95**	**Natural**	**30 Aug 2023**	<25	<150	<150	<300	<300	<25	<25	<150	<300	<300	<150	<150	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
209	**0.5 - 0.7**	**Fill**	**11 Sep 2023**	**170**	**190**	**190**	**1,500**	**220**	**140**	**180**	**180**	**1,200**	**420**	**1,800**	**1,900**	**67**	**300**	<100	**77**	**210**	**120**	<0.2	-	**2**	-	**6**	-	**3**	-	**2**	-	**5**	-	-	-	-	-	-	-	-
209	**1 - 1.45**	**Fill**	**11 Sep 2023**	**28**	**110**	**110**	**630**	**160**	<25	**29**	**97**	**480**	**220**	**800**	**900**	<50	**250**	<100	<50	**180**	<100	<0.2	-	**0.6**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
209/PACM4	**2**	**Material**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**2 - 2.2**	**Fill**	**11 Sep 2023**	**27**	**190**	**180**	**810**	**180**	<25	**28**	**170**	**630**	**290**	**1,100**	**1,200**	-	-	-	-	-	-	<0.2	-	**0.6**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
209	**2.5 - 2.9**	**Fill**	**11 Sep 2023**	**220**	**830**	**830**	**2,300**	**490**	**120**	**300**	**870**	**1,800**	**920**	**3,600**	**3,600**	**260**	**500**	**170**	**320**	**340**	**270**	<0.2	<1	**3**	**5**	**62**	**16**	**15**	**34**	**4**	**18**	**19**	-	-	-	-	-	-	-	-
209	**3.5 - 3.7**	**Fill**	**11 Sep 2023**	**58**	**630**	**630**	**2,200**	**380**	**50**	**89**	**620**	**1,600**	**910**	**3,100**	**3,200**	**180**	**380**	<100	**180**	**330**	<100	<0.2	<1	**5**	**11**	**14**	**58**	**9**	**70**	**4**	**32**	**13**	-	-	-	-	-	-	-	-
209	**4 - 4.45**	**Fill**	**11 Sep 2023**	**780**	**1,800**	**1,700**	**4,200**	**280**	**1,100**	**1,500**	**2,400**	**3,900**	**470**	**6,800**	**6,200**	**840**	**2,100**	**120**	**1,100**	**2,000**	**270**	<0.2	<10	**53**	**220**	**480**	**1,500**	**160**	**320**	**27**	**130**	**190**	-	-	-	-	-	-	-	-
209	**5 - 5.2**	**Fill**	**11 Sep 2023**	**380**	**850**	**820**	**2,200**	**200**	**300**	**520**	**1,100**	**2,000**	**350**	**3,400**	**3,200**	**480**	**1,300**	<100	**570**	**1,300**	**200**	<0.2	<1	**10**	**5**	**92**	**24**	**30**	**6**	**6**	**15**	**36**	**27**	**5**	**41**	**5**	**42**	**3**	**3**	<1	<1
209	**5.5 - 5.95**	**Fill**	**11 Sep 2023**	**310**	**580**	**570**	**1,600**	**140**	**130**	**350**	**710**	**1,500**	**270**	**2,500**	**2,300**	**320**	**1,000**	<100	**400**	**940**	**130**	<0.2	<1	**2**	**4**	**26**	**12**	**8**	**4**	**2**	**4**	**10**	-	-	-	-	-	-	-	-
209	**6.5 - 6.95**	**Natural**	**11 Sep 2023**	**110**	**66**	**66**	**180**	<100	**69**	**110**	**93**	**180**	<100	**270**	**240**	**110**	**260**	<100	**170**	**260**	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	**2**	**1**	**2**	<1	**1**	<1	<1
209	**8 - 8.3**	**Natural**	**11 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
209	**9 - 9.45**	**Natural**	**11 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
209	**11 - 11.3**	**Natural**	**11 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
209	**15 - 15.2**	**Natural**	**11 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
210	**0.5 - 0.7**	**Fill**	**12 Sep 2023**	<25	**100**	**100**	**750**	**180**	<25	<25	**88**	**530**	**330**	**940**	**1,000**	<50	<100	<100	<50	<100	<100	<0.2	-	**2**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
210	**2 - 2.2**	**Fill**	**12 Sep 2023**	<25	**160**	**160**	**730**	**190**	<25	<25	**120**	**640**	**240**	**1,000**	**1,100**	<50	<100	<100	<50	<100	<100	<0.2	-	**3**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
210	**3.5 - 3.7**	**Fill**	**12 Sep 2023**	<25	**190**	**190**	**760**	**220**	<25	<25	**190**	**610**	**290**	**1,100**	**1,200**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
210	**4 - 4.2**	**Fill**	**12 Sep 2023**	<25	**180**	**160**	**960**	**250**	<25	<25	**140**	**670**	**430**	**1,200**	**1,400**	**72**	**320**	<100	**62**	**250**	**100**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				TRH												TPH						BTEX												MAH								
				C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	C6-C9 Fraction	C6-C10 Fraction	C10-C14Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	Benzene	Benzene- ASLP	Toluene	Toluene - ASLP	Ethylbenzene	Ethylbenzene- ASLP	Xylene (m & p)	Xylene (m & p) - ASLP	Xylene (o)	Xylene (o) - ASLP	Xylene Total	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	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
LRL				10	50	50	100	100	10	10	50	100	100	50	50	50	100	100	50	100	100	0.2	1	0.5	1	0.5	1	0.5	2	0.5	1	0.5	1	1	1	1	1	1	1	1	1
NEPC(2013) HILs for Comm/Ind D, Soil					20,000		27,000	38,000		26,000												430		99,000		27,000						81,000									
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				370 / 630		NL																3		NL		NL						NL									
NEPC (2013) Management Limits Comm/Ind, Sand					1,000		3,500	10,000		700																																
VMP, Allnex (2020)																									1000		1000		1000		1000											
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																																	1,800	1,500	9,900	58,000	24,000		120,000	35,000	120,000
Sample ID	**Sample Depth**	**Matrix**	**Date**																																						
BD4/20230912^	**4 - 4.2**	**Fill**	**12 Sep 2023**	<25	**230**	**210**	**990**	**180**	<25	<25	**200**	**750**	**390**	**1,300**	**1,400**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
210	**5.5 - 5.8**	**Fill**	**12 Sep 2023**	<25	**80**	**76**	**840**	**300**	<25	<25	**53**	**570**	**400**	**1,000**	**1,200**	**66**	**420**	<100	**52**	**330**	**140**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
210	**5.8 - 5.95**	**Natural**	**12 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
210	**7 - 7.45**	**Natural**	**12 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
210	**8.5 - 8.95**	**Natural**	**12 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
210	**13.5 - 13.6**	**Natural**	**12 Sep 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
301	**0.5 - 0.7**	**Fill**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
301	**1 - 1.2**	**Natural**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
302	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**2**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
302	**0.8 - 1**	**Fill**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
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302	**2.8 - 3**	**Natural**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
302	**4.8 - 5**	**Natural**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
BD1/20230817*	**4.8 - 5**	**Natural**	**17 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-
302	**6.8 - 7**	**Natural**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
302	**9.8 - 10**	**Natural**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
302	**11.5 - 11.6**	**Natural**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
303	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
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303	**4.8 - 5**	**Natural**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
BD2/20230817*	**4.8 - 6**	**Natural**	**17 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-
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BD3/20230817*	**4.8 - 5**	**Natural**	**17 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-
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305	**0.2 - 0.3**	**Fill**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
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306	**0.2 - 0.3**	**Fill**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
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306	**1.2 - 1.4**	**Fill**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
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307	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	**2**	-	<1	-	**2**	-	-	-	-	-	-	-	-	-
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309	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**0.7**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
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309	**1.8 - 2**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
309	**2.8 - 3**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
309	**4.8 - 5**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
309	**5.8 - 6**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
309	**7.8 - 8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
310	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
310	**0.8 - 1**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
310	**1.6 - 1.8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
310	**3.6 - 3.8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
310	**4.6 - 4.8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
310	**5.6 - 5.8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BD3/20230816^	**5.6 - 5.8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
310	**6.6 - 6.8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
310	**7.6 - 7.8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
311	**0.2 - 0.3**	**Fill**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
311	**0.5 - 0.7**	**Fill**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
311	**2 - 2.2**	**Fill**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
311	**3.4 - 3.6**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
311	**4.4 - 4.6**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
311	**5.4 - 5.6**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
311	**6.4 - 6.6**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
311	**7.4 - 7.6**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
311	**8.4 - 8.6**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
312	**0.15 - 0.25**	**Fill**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-	-
312/PACM3	**0.2**	**Material**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				TRH												TPH						BTEX										MAH								
				C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	C6-C9 Fraction	C6-C10 Fraction	C10-C14Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	Benzene	Benzene- ASLP	Toluene	Toluene - ASLP	Ethylbenzene	Ethylbenzene- ASLP	Xylene (m & p)	Xylene (m & p) - ASLP	Xylene (o)	Xylene (o) - ASLP	Xylene Total	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LRL				10	50	50	100	100	10	10	50	100	100	50	50	50	100	100	50	100	100	0.2	1	0.5	1	0.5	1	0.5	2	0.5	1	0.5	1	1	1	1	1	1	1	1	1
NEPC(2013) HILs for Comm/Ind D, Soil					20,000		27,000	38,000		26,000												430		99,000		27,000					81,000									
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				370 / 630		NL																3		NL		NL					NL									
NEPC (2013) Management Limits Comm/Ind, Sand					1,000		3,500	10,000		700																														
VMP, Allnex (2020)																									1000		1000		1000		1000									
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																																1,800	1,500	9,900	58,000	24,000		120,000	35,000	120,000
Sample ID	**Sample Depth**	**Matrix**	**Date**																																					
312	**0.4 - 0.6**	**Fill**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
312	**1.5 - 1.7**	**Fill**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
312	**1.8 - 2**	**Natural**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
312	**3.8 - 4**	**Natural**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
312	**4.8 - 5**	**Natural**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
BD1/20230823^	**4.8 - 5**	**Natural**	**23 Aug 2023**	<25	<50	<50	**210**	<100	<25	<25	<50	**200**	<100	**200**	**210**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
312	**5.8 - 6**	**Natural**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
312	**6.8 - 7**	**Natural**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
312	**10.8 - 11**	**Natural**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
313	**0.4 - 0.5**	**Fill**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
313	**0.8 - 1**	**Fill**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
313	**1.4 - 1.6**	**Fill**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
313	**2.8 - 3**	**Natural**	**23 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
313	**3.8 - 4**	**Natural**	**23 Aug 2023**	**180**	**720**	**710**	**190**	<100	**78**	**230**	**880**	**220**	<100	**1,100**	**910**	**490**	<100	<100	**550**	<100	<100	<0.2	<1	<0.5	<1	<1	**14**	**27**	-	**20**	**44**	**46**								
313	**4.3 - 4.5**	**Natural**	**23 Aug 2023**	**590**	**740**	**730**	**100**	<100	**360**	**850**	**1,300**	**110**	<100	**1,400**	**840**	**390**	<100	<100	**690**	<100	<100	<0.2	-	**3**	-	**10**		**160**	-	**81**		**240**	**170**	**53**	**4**	**15**	**12**	**3**	**3**	<1	<1
313	**4.8 - 5**	**Natural**	**23 Aug 2023**	**790**	**890**	**880**	**210**	<100	**690**	**1,200**	**1,700**	**220**	<100	**2,000**	**1,100**	-	-	-	-	-	-	<0.2	<10	**11**	**110**	**38**	**730**	**250**	-	**110**	**2,300**	**360**	**190**	**57**	**7**	**17**	**24**	**3**	**4**	**3**	**20**
313	**5.3 - 5.5**	**Natural**	**23 Aug 2023**	**140**	**220**	**220**	<100	<100	**180**	**300**	**360**	<100	<100	**360**	**220**	**130**	<100	<100	**210**	<100	<100	<0.2	-	**2**	-	**23**	-	**95**	-	**41**		**140**	**51**	**18**	**3**	**6**	**9**	<1	**1**	**1**	**9**
313	**5.8 - 6**	**Natural**	**23 Aug 2023**	**460**	**390**	**390**	<100	<100	**440**	**700**	**770**	<100	<100	**770**	**390**	**300**	<100	<100	**580**	<100	<100	<0.2	<10	**2**	**73**	**31**	**1,000**	**150**	-	**60**	**1,800**	**210**	**68**	**23**	**5**	**7**	**13**	**1**	**2**	**2**	**10**
313	**6.3 - 6.5**	**Natural**	**23 Aug 2023**	**870**	**460**	**450**	<100	<100	**890**	**1,500**	**890**	<100	<100	**890**	**460**	-	-	-	-	-	-	<0.2	<10	**8**	**31**	**77**	**230**	**380**	-	**160**	**1,100**	**550**	**190**	**57**	**10**	**17**	**29**	**3**	**4**	**4**	**20**
313	**6.8 - 7**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	-	**380**	-	**810**	-	-	-	**460**	-	-	-	-	-	-	-	-	-
313	**7.8 - 8**	**Natural**	**23 Aug 2023**	**61**	<50	<50	<100	<100	**48**	**87**	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	<1	**2**	**5**	**6**	**53**	**13**	-	**5**	**46**	**18**	**9**	**3**	<1	<1	**1**	<1	<1	<1	**1**
313	**8.8 - 9**	**Natural**	**23 Aug 2023**	**160**	**100**	**98**	<100	<100	**120**	**230**	**180**	<100	<100	**180**	**100**	-	-	-	-	-	-	<0.2	<1	**4**	**21**	**14**	**89**	**33**	-	**14**	**150**	**47**	**28**	**9**	**1**	**3**	**3**	<1	<1	<1	<1
314	**0.15 - 0.25**	**Fill**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
314	**0.6 - 0.8**	**Fill**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
314	**1.7 - 1.9**	**Fill**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
314	**2 - 2.2**	**Natural**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
314	**4.8 - 5**	**Natural**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
314	**5.3 - 5.5**	**Natural**	**22 Aug 2023**	**110**	**380**	**350**	**500**	<100	<25	**120**	**460**	**500**	<100	**960**	**880**	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	**6**	-	**3**	-	**9**	**23**	**10**	<1	<1	**2**	**3**	**3**	<1	**4**
314	**5.8 - 6**	**Natural**	**22 Aug 2023**	**270**	**950**	**820**	**690**	<100	<25	**270**	**1,400**	**690**	<100	**2,100**	**1,600**	**480**	<100	<100	**740**	<100	<100	<0.2	-	<0.5	-	<1		<2	-	<1		<1	**80**	**38**	**1**	<1	**5**	**7**	**7**	<1	**11**
314	**6.3 - 6.5**	**Natural**	**22 Aug 2023**	**290**	**800**	**720**	**280**	<100	**150**	**370**	**1,300**	**290**	<100	**1,600**	**1,100**	**190**	<100	<100	**350**	<100	<100	<0.2	<1	<0.5	**2**	**39**	**250**	**30**	**180**	**16**	**100**	**46**	**73**	**26**	**2**	**10**	**13**	**2**	**3**	**11**	**13**
314	**6.8 - 7**	**Natural**	**22 Aug 2023**	**99**	**240**	**210**	**100**	<100	**44**	**130**	**380**	**110**	<100	**490**	**350**	-	-	-	-	-	-	<0.2	-	<0.5	-	**13**	-	**10**	-	**5**	-	**15**	-	-	-	-	-	-	-	-
314	**7.3 - 7.5**	**Natural**	**22 Aug 2023**	**140**	**390**	**340**	**180**	<100	**66**	**180**	**620**	**180**	<100	**800**	**580**	**260**	**110**	<100	**390**	**110**	<100	<0.2	-	<0.5	-	**20**	-	**15**	-	**8**	-	**22**	**42**	**15**	**1**	**6**	**7**	**5**	**7**	**5**	<1
314	**7.8 - 8**	**Natural**	**22 Aug 2023**	**250**	**270**	**230**	**150**	<100	**68**	**280**	**410**	**140**	<100	**560**	**420**	**160**	<100	<100	**230**	<100	<100	<0.2	<1	<0.5	**1**	**14**	**83**	**11**	**70**	**6**	**37**	**16**	**38**	**14**	**1**	**4**	**7**	**2**	**2**	**3**	<1
315	**0.2 - 0.3**	**Fill**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
315	**0.8 - 1**	**Fill**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
315	**1.5 - 1.7**	**Fill**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230811^	**2.8 - 3**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
315	**3.8 - 4**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
315	**4.8 - 5**	**Natural**	**11 Aug 2023**	<25	**180**	**180**	**140**	<100	<25	<25	**150**	**180**	<100	**330**	**320**	**110**	<100	<100	**86**	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	**1**	<1	**1**	<1	<1	<1	<1
315	**5.3 - 5.5**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
315	**5.8 - 6**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
315	**6.3 - 6.5**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
315	**6.8 - 7**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
315	**7.8 - 8**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
316	**0.2 - 0.4**	**Fill**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
316	**0.5 - 0.7**	**Fill**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
316	**1.4 - 1.6**	**Natural**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
316	**3.8 - 4**	**Natural**	**22 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
316	**4.8 - 5**	**Natural**	**22 Aug 2023**	**980**	**3,500**	**3,500**	**19,000**	**150**	**440**	**1,100**	**5,500**	**19,000**	**400**	**25,000**	**23,000**	**2,800**	<1,000	<1,000	**4,600**	<1,000	<1,000	<0.2	<1	**1**	**10**	**5**	**40**	**37**	**270**	**33**	**270**	**71**	**120**	**69**	**5**	**18**	**12**	**6**	**11**	<1	**13**
BD2/20230822^	**4.8 - 5**	**Natural**	**22 Aug 2023**	**920**	**2,600**	**2,600**	**20,000**	<100	**370**	**1,000**	**4,400**	**20,000**	**240**	**24,000**	**22,000**	**1,800**	<1,000	<1,000	**3,000**	<1,000	<1,000	<0.2	-	**1**	-	**6**	-	**46**	-	**35**	-	**81**	**100**	**57**	**6**	**17**	**14**	**7**	<1	<1	<1
316	**5.8 - 6**	**Natural**	**22 Aug 2023**	<25	**69**	**69**	**160**	<100	<25	<25	**99**	**140**	<100	**230**	**230**	<50	<100	<100	**50**	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
316	**6.8 - 7**	**Natural**	**22 Aug 2023**	**28**	<50	<50	**270**	<100	<25	**28**	<50	**240**	<100	**240**	**270**	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
316	**9.8 - 10**	**Natural**	**22 Aug 2023**	<25	<50	<50	**160**	<100	<25	<25	<50	**130**	<100	**130**	**160**	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
317	**0.2 - 0.3**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
317	**1 - 1.2**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
317	**1.7 - 1.9**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
317	**3.8 - 4**	**Natural**	**21 Aug 2023**	<25	**60**	**60**	**300**	<100	<25	<25	<50	**280**	<100	**280**	**360**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
317	**4.8 - 5**	**Natural**	**21 Aug 2023**	<25	**200**	**200**	**25,000**	**670**	<25	<25	**210**	**24,000**	**360**	**25,000**	**26,000**	<50	**2,100**	<100	<50	**2,000**	**120**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
317	**5.8 - 6**	**Natural**	**21 Aug 2023**	<25	**60**	**60**	**7,400**	**240**	<25	<25	**63**	**7,100**	**240**	**7,400**	**7,700**	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
317	**6.8 - 7**	**Natural**	**21 Aug 2023**	<25	<50	<50	**2,300**	<100	<25	<25	<50	**2,100**	<100	**2,100**	**2,300**	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
317	**7.8 - 8**	**Natural**	**21 Aug 2023**	<25	<50	<50	**2,200**	<100	<25	<25	<50	<100	**110**	**110**	**2,200**	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
317	**8.8 - 9**	**Natural**	**21 Aug 2023**	<25	<50	<50	**2,000**	**450**	<25	<25	<50	**1,800**	**340**	**2,100**	**2,400**	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
317	**9.8 - 10**	**Natural**	**21 Aug 2023**	<25	**58**	**58**	**4,700**	**460**	<25	<25	**56**	**4,500**	**350**	**4,900**	**5,200**	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
318	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
318	**1 - 1.2**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
318	**1.5 - 1.7**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
318	**2.5 - 2.7**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
318	**3.5 - 3.7**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
318	**4.5 - 4.7**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
318	**4.8 - 5**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
318	**5.8 - 6**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
318	**6.8 - 7**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
319	**0.25 - 0.35**	**Fill**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**0.6**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
319	**0.5 - 0.7**	**Fill**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
319	**1.1 - 1.3**	**Fill**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
319	**1.4 - 1.6**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
319	**2.8 - 3**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
319	**3.8 - 4**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230810^	**3.8 - 4**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
319	**4.8 - 5**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
319	**5.8 - 6**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
319	**6.8 - 7**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
319	**7.8 - 8**	**Natural**	**10 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320	**0.1 - 0.3**	**Fill**	**18 Aug 2023**	<25	**140**	**140**	**1,400**	**430**	<25	<25	**120**	**850**	**730**	**1,700**	**1,900**	<50	**770**	**190**	<50	**460**	**400**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320	**0.4 - 0.6**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320A	**0.15 - 0.25**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320A	**0.5 - 0.6**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320B	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**2**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320B	**0.5 - 0.7**	**Fill**	**17 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				TRH											TPH						BTEX											MAH								
				C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	C6-C9 Fraction	C6-C10 Fraction	C10-C14Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	Benzene	Benzene- ASLP	Toluene	Toluene - ASLP	Ethylbenzene	Ethylbenzene- ASLP	Xylene (m & p)	Xylene (m & p) - ASLP	Xylene (o)	Xylene (o) - ASLP	Xylene Total	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LRL				10	50	50	100	100	10	10	50	100	100	50	50	50	100	100	50	100	100	0.2	1	0.5	1	0.5	1	0.5	2	0.5	1	0.5	1	1	1	1	1	1	1	1
NEPC(2013) HILs for Comm/Ind D, Soil					20,000		27,000	38,000		26,000												430		99,000		27,000					81,000									
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				370 / 630		NL																3		NL		NL					NL								
NEPC (2013) Management Limits Comm/Ind, Sand					1,000		3,500	10,000		700																														
VMP, Allnex (2020)																									1000		1000		1000		1000									
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																																1,800	1,500	9,900	58,000	24,000		120,000	35,000	120,000
Sample ID	**Sample Depth**	**Matrix**	**Date**																																					
320B	**0.8 - 1**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320C	**0.2 - 0.4**	**Fill**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320C	**0.5 - 0.7**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320C	**1.8 - 2**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230818*	**1.8 - 2**	**Natural**	**18 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
320D	**0 - 0.1**	**Fill**	**18 Aug 2023**	<25	**89**	**89**	**2,300**	**880**	<25	<25	**75**	**1,200**	**1,500**	**2,800**	**3,300**	<50	**430**	**220**	<50	**200**	**320**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320D	**0.3 - 0.4**	**Fill**	**18 Aug 2023**	<25	<50	<50	**640**	**240**	<25	<25	<50	**340**	**400**	**740**	**880**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320D	**0.5 - 0.7**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
320D	**1.8 - 2**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230818*	**1.8 - 2**	**Natural**	**18 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
321	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	<25	<50	<50	**150**	<100	<25	<25	<50	<100	<100	<50	**150**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
321	**1 - 1.2**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	**3**	-	**1**	-	**4**	-	-	-	-	-	-	-	-
321	**2 - 2.2**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	**2**	-	<1	-	**2**	-	-	-	-	-	-	-	-
321	**4 - 4.2**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
321	**5 - 5.2**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
321	**6 - 6.2**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
321	**7 - 7.2**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
322	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
322	**1.8 - 2**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322	**2.3 - 2.5**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322	**3 - 3.2**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322A	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<25	<50	<50	**140**	<100	<25	<25	<50	<100	<100	<50	**140**	-	-	-	-	-	-	<0.2	-	**1**	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
322A	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
322A	**1 - 1.2**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322A	**1.8 - 2**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322A	**2.3 - 2.5**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322A	**3.3 - 3.5**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322A	**4.3 - 4.5**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230816^	**4.3 - 4.5**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322B	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**2**	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
322B	**0.5 - 0.7**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322B	**1.5 - 1.7**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322B	**2 - 2.2**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322B	**3 - 3.2**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**0.6**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**1.2 - 1.4**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**1.5 - 1.7**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**2.5 - 2.7**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230816^	**2.5 - 2.7**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**3.3 - 3.5**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**4.8 - 5**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**5.8 - 6**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322C	**7.8 - 8**	**Natural**	**16 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322D	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322D	**0.7 - 0.9**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322D	**1.7 - 1.9**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322D	**2.2 - 2.4**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
322D	**2.6 - 2.8**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
323	**0.2 - 0.4**	**Fill**	**24 Aug 2023**	<25	**85**	**85**	**120**	<100	<25	**33**	**110**	**120**	<100	**220**	**210**	-	-	-	-	-	-	<0.2	-	**2**	-	**1**	-	**8**	-	**2**	-	**10**	-	-	-	-	-	-	-	-
323	**0.7 - 0.9**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	**2.1 - 2.3**	**Fill**	**24 Aug 2023**	<25	**80**	**80**	<100	<100	<25	<25	**90**	<100	<100	**90**	**80**	-	-	-	-	-	-	<0.2	-	**0.7**	-	<1	-	<2	-	<1	-	<1	**1**	<1	<1	<1	<1	<1	<1	<1
323	**2.5 - 2.7**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
323	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD3/20230824*	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
323	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD4/20230824*	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
324	**0.15 - 0.25**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
324	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
324	**1.8 - 2**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230821*	**1.8 - 2**	**Natural**	**21 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
325	**0.2 - 0.4**	**Fill**	**21 Aug 2023**	<25	<50	<50	**190**	<100	<25	<25	<50	**150**	<100	**150**	**190**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
325	**0.8 - 1**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
325	**3.8 - 4**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
325	**4.8 - 5**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230821^	**4.8 - 5**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
325	**6.8 - 7**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
326	**0.15 - 0.25**	**Fill**	**21 Aug 2023**	<25	<50	<50	**170**	<100	<25	<25	<50	**160**	<100	**160**	**170**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
326	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<25	<50	<50	**240**	<100	<25	<25	<50	**230**	<100	**230**	**240**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
326	**1 - 1.2**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
326	**3.3 - 3.5**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
326	**3.8 - 4**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
326	**4.3 - 4.5**	**Natural**	**21 Aug 2023**	**720**	**830**	**820**	<100	<100	**370**	**980**	**2,200**	<100	**130**	**2,400**	**830**	**460**	<100	<100	**940**	<100	<100	<0.2	<1	**18**	**13**	**28**	**66**	**140**	**470**	**71**	**350**	**210**	**520**	**170**	**16**	**14**	**44**	**5**	**5**	<1	**79**
326	**4.8 - 5**	**Natural**	**21 Aug 2023**	**830**	**1,300**	**1,300**	**140**	<100	**480**	**1,200**	**4,400**	**170**	<100	**4,600**	**1,400**	-	-	-	-	-	-	<0.2	<10	**41**	**40**	**41**	**390**	**150**	**2,200**	**98**	**1,600**	**240**	**790**	**210**	**23**	**13**	**61**	**5**	**5**	<1	**96**
326	**5.3 - 5.5**	**Natural**	**21 Aug 2023**	**4,900**	**1,600**	**1,600**	**190**	<100	**2,300**	**6,300**	**6,600**	**250**	<100	**6,900**	**1,800**	**970**	<100	<100	**3,800**	<100	<100	**2**	<10	**230**	**860**	**150**	**1,200**	**670**	**5,800**	**380**	**3,900**	**1,000**	**2,200**	**620**	**71**	**27**	**200**	**11**	**11**	**7**	**210**
326	**5.8 - 6**	**Natural**	**21 Aug 2023**	**520**	**240**	**240**	<100	<100	**430**	**940**	**770**	<100	<100	**770**	**240**	**88**	<100	<100	**160**	<100	<100	**0.3**	-	**57**	-	**46**	-	**210**	-	**110**	-	**320**	**420**	**130**	**14**	**7**	**40**	**3**	**3**	<1	**27**
326	**6.3 - 6.5**	**Natural**	**21 Aug 2023**	**420**	**200**	**200**	<100	<100	**280**	**590**	**630**	<100	<100	**630**	**200**	-	-	-	-	-	-	**0.4**	-	**56**	-	**20**	-	**67**	-	**34**	-	**100**	**160**	**47**	**7**	**3**	**17**	**1**	**1**	<1	**17**
326	**6.8 - 7**	**Natural**	**21 Aug 2023**	**260**	**88**	**87**	<100	<100	**170**	**350**	**250**	<100	<100	**250**	**90**	<50	<100	<100	**130**	<100	<100	<0.2	-	**28**	-	**11**	-	**34**	-	**18**	-	**52**	**98**	**27**	**4**	**2**	**9**	<1	<1	<1	**11**
326	**7.3 - 7.5**	**Natural**	**21 Aug 2023**	**320**	**130**	**120**	<100	<100	**200**	**430**	**370**	<100	<100	**370**	**130**	-	-	-	-	-	-	**0.2**	-	**32**	-	**13**	-	**42**	-	**22**	-	**64**	**130**	**34**	**5**	**2**	**12**	<1	**1**	<1	**13**
326	**7.8 - 8**	**Natural**	**21 Aug 2023**	**37**	<50	<50	<100	<100	**25**	**52**	**81**	<100	<100	**80**	<50	-	-	-	-	-	-	<0.2	<1	**5**	**52**	**2**	**40**	**5**	**270**	**3**	**160**	**8**	-	-	-	-	-	-	-	-
326	**8.3 - 8.5**	**Natural**	**21 Aug 2023**	**43**	**77**	**77**	<100	<100	<25	**47**	**160**	<100	<100	**160**	**80**	**54**	<100	<100	**97**	<100	<100	<0.2	<1	**10**	**2**	**47**	**1**	**35**	**4**	-	-	-	-	-	-	-	-	-	-	-
326	**8.8 - 9**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	**86**	<100	<100	**90**	<50	-	-	-	-	-	-	<0.2	<1	<0.5	**44**	<1	**64**	<2	**270**	**1**	**160**	**1**	-	-	-	-	-	-	-	-
327	**0.2 - 0.4**	**Fill**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
327	**0.5 - 0.7**	**Fill**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
327	**1.8 - 2**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
327	**4.8 - 5**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
327	**5.8 - 6**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD3/20230818*	**5.8 - 6**	**Natural**	**18 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
327	**6.8 - 7**	**Natural**	**18 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table J1: Summary of Soil Laboratory Results

				TRH											TPH						BTEX											MAH								
				C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	C6-C9 Fraction	C6-C10 Fraction	C10-C14Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	Benzene	Benzene- ASLP	Toluene	Toluene - ASLP	Ethylbenzene	Ethylbenzene- ASLP	Xylene (m & p)	Xylene (m & p) - ASLP	Xylene (o)	Xylene (o) - ASLP	Xylene Total	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LRL				10	50	50	100	100	10	10	50	100	100	50	50	50	100	100	50	100	100	0.2	1	0.5	1	0.5	1	0.5	2	0.5	1	0.5	1	1	1	1	1	1	1	1
NEPC(2013) HILs for Comm/Ind D, Soil					20,000		27,000	38,000		26,000												430		99,000		27,000						81,000								
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				370 / 630		NL																3		NL		NL						NL								
NEPC (2013) Management Limits Comm/Ind, Sand					1,000		3,500	10,000		700																														
VMP, Allnex (2020)																									1000		1000		1000		1000								
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																																1,800	1,500	9,900	58,000	24,000		120,000	35,000	120,000
Sample ID	**Sample Depth**	**Matrix**	**Date**																																					
328	**0.1 - 0.3**	**Fill**	**21 Aug 2023**	<25	**77**	**77**	**220**	<100	<25	<25	**80**	**170**	**110**	**360**	**300**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328	**0.4 - 0.6**	**Fill**	**21 Aug 2023**	<25	<50	<50	**150**	<100	<25	<25	<50	**110**	<100	**110**	**150**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328	**0.8 - 1**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328	**1.3 - 1.5**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328	**2.8 - 3**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328A	**0.1 - 0.3**	**Fill**	**21 Aug 2023**	<25	**88**	**88**	**270**	<100	<25	<25	**96**	**190**	**120**	**410**	**360**	<50	<100	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328A	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<50	<100	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328A	**1.5 - 1.7**	**Fill**	**21 Aug 2023**	<25	**60**	**60**	<100	<100	<25	<25	**61**	<100	<100	**60**	**60**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328A	**2.4 - 2.6**	**Fill**	**21 Aug 2023**	<25	**320**	**320**	**210**	<100	<25	<25	**320**	**160**	**100**	**590**	**530**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328A	**3.3 - 3.5**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
328A	**3.8 - 4**	**Fill**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328A	**4.1 - 4.3**	**Natural**	**21 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328B	**0.1 - 0.3**	**Fill**	**24 Aug 2023**	<25	**72**	**72**	**300**	<100	<25	<25	**74**	**210**	**140**	**420**	**370**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328B	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328B	**1.5 - 1.7**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328B	**2.7 - 2.9**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328B	**3.1 - 3.3**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328B	**3.5 - 3.6**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328B	**4.8 - 5**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328B	**7.8 - 8**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230824*	**7.8 - 8**	**Natural**	**24 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
328C	**0.1 - 0.3**	**Fill**	**24 Aug 2023**	<25	**100**	**100**	**370**	<100	<25	<25	**110**	**280**	**150**	**540**	**470**	<50	**100**	<100	<50	<100	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328C	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328C	**1.5 - 1.7**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328C	**2.6 - 2.8**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	**4**	-	<1	-	**4**	-	-	-	-	-	-	-	-
328C	**3.2 - 3.4**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328C	**4.8 - 5**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328C	**6.8 - 7**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
328C	**7.8 - 8**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230824*	**7.8 - 8**	**Natural**	**24 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
328D	**0.25 - 0.35**	**Fill**	**11 Aug 2023**	<25	**100**	**100**	**2,200**	**320**	<25	<25	**89**	**1,300**	**1,000**	**2,400**	**2,600**	<50	**380**	<100	<50	**270**	**130**	<0.2	-	**1**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328D	**0.5 - 0.7**	**Fill**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**1**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328D	**1.5 - 1.7**	**Fill**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328D	**2.4 - 2.6**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
328D	**3 - 3.2**	**Natural**	**11 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329	**0 - 0.1**	**Fill**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329/PACM1	**Surface**	**Material**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<25	<50	<50	**370**	**110**	<25	<25	<50	**260**	**180**	**440**	**480**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	<25	<50	<50	**550**	<100	<25	<25	<50	**400**	**200**	**600**	**550**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329	**1 - 1.2**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**1.3 - 1.5**	**Fill**	**14 Aug 2023**	**36**	<50	<50	<100	<100	**26**	**39**	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**3**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329	**2.3 - 2.5**	**Fill**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**3**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329	**2.8 - 3**	**Fill**	**14 Aug 2023**	**160**	**140**	**140**	**250**	<100	<25	**160**	**220**	**210**	<100	**430**	**390**	-	-	-	-	-	-	<0.2	-	<0.5	-	**1**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329	**3.8 - 4**	**Natural**	**14 Aug 2023**	**130**	<50	<50	**120**	<100	**65**	**150**	**71**	<100	<100	**70**	**120**	-	-	-	-	-	-	<0.2	-	<0.5	-	**17**	-	**4**	-	<1	-	**4**	-	-	-	-	-	-	-	-
329	**4.1 - 4.3**	**Natural**	**14 Aug 2023**	**29**	**57**	**57**	<100	<100	<25	**29**	**67**	<100	<100	**70**	**60**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329	**4.6 - 4.8**	**Natural**	**14 Aug 2023**	**290**	**280**	**280**	<100	<100	**28**	**290**	**360**	<100	<100	**360**	**280**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	**4**	**2**	**6**	<1	**4**	<1	<1
329	**5 - 5.2**	**Natural**	**14 Aug 2023**	**3,500**	**3,000**	**3,000**	<100	<100	**2,200**	**4,300**	**5,300**	<100	<100	**5,300**	**3,000**	**1,400**	<100	<100	**4,900**	<100	<100	<0.2	<50	<0.5	<50	**590**	**2,800**	**250**	**1,200**	<1	<50	**250**	**290**	**95**	**95**	**40**	**130**	**18**	**47**	<1	<1
329	**5.5 - 5.7**	**Natural**	**14 Aug 2023**	**460**	**280**	**270**	**170**	<100	**370**	**570**	**420**	**160**	<100	**580**	**450**	-	-	-	-	-	-	<0.2	<1	<0.5	<1	**73**	**140**	**30**	**46**	**4**	**8**	**34**	**20**	**6**	**9**	**5**	**11**	**1**	**4**	<1	<1
329	**6 - 6.2**	**Natural**	**14 Aug 2023**	**26**	<50	<50	<100	<100	<25	**27**	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**1**	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
329	**6.5 - 6.7**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329	**6.8 - 7**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329A	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<25	**340**	**340**	**690**	**130**	<25	<25	**330**	**550**	**250**	**1,100**	**1,200**	-	-	-	-	-	-	<0.2	-	**5**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329A	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	<25	**70**	**70**	**500**	<100	<25	<25	**74**	**370**	**180**	**630**	**570**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329A	**1.3 - 1.5**	**Fill**	**14 Aug 2023**	<25	<50	<50	**230**	<100	<25	<25	<50	**180**	<100	**180**	**230**	-	-	-	-	-	-	<0.2	-	<0.5	-	**4**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329A	**1.8 - 2**	**Fill**	**14 Aug 2023**	<25	<50	<50	**120**	<100	<25	<25	<50	<100	<100	<50	**120**	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329A	**2.8 - 3**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329A	**3.3 - 3.5**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329A	**3.8 - 4**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329B	**0.1 - 0.2**	**Fill**	**14 Aug 2023**	<25	<50	<50	**200**	<100	<25	<25	<50	**140**	**110**	**250**	**200**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329B	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	<25	**65**	**63**	**430**	<100	<25	<25	**68**	**320**	**160**	**540**	**490**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329B	**1.5 - 1.6**	**Fill**	**14 Aug 2023**	<25	<50	<50	**150**	<100	<25	<25	<50	**100**	<100	**100**	**150**	-	-	-	-	-	-	<0.2	-	**1**	-	**2**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329B	**2 - 2.2**	**Fill**	**14 Aug 2023**	<25	<50	<50	**170**	<100	<25	<25	<50	<100	<100	<50	**170**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329B	**2.5 - 2.7**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**3.5 - 3.7**	**Fill**	**14 Aug 2023**	**25**	<50	<50	<100	<100	<25	**25**	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329B	**4.3 - 4.5**	**Fill**	**14 Aug 2023**	**100**	<50	<50	<100	<100	**43**	**110**	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329B	**5 - 5.1**	**Fill**	**14 Aug 2023**	**130**	**110**	**110**	**360**	**120**	<25	**130**	**180**	**160**	**270**	**600**	**580**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
329B	**5.2 - 5.4**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329B	**6.8 - 7**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329C	**0.1 - 0.2**	**Fill**	**15 Aug 2023**	<25	**64**	**64**	**300**	<100	<25	<25	**73**	**240**	<100	**320**	**360**	-	-	-	-	-	-	<0.2	-	**0.6**	-	**1**	-	**3**	-	<1	-	**3**	-	-	-	-	-	-	-	-
329C	**0.5 - 0.7**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**0.7**	-	**1**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329C/PACM2	**1**	**Material**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**1.5 - 1.7**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329C	**2.3 - 2.5**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329C	**3.3 - 3.5**	**Fill**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329C	**4.1 - 4.3**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329C	**4.6 - 4.8**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
329C	**5.1 - 5.3**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
329C	**5.6 - 5.8**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
329C	**6.8 - 7**	**Natural**	**15 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329D	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<25	<50	<50	**380**	<100	<25	<25	<50	**270**	**140**	**420**	**380**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329D	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	<25	<50	<50	**740**	**300**	<25	<25	<50	**390**	**460**	**850**	**1,000**	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	**3**	-	**2**	-	**4**	-	-	-	-	-	-	-	-
329D	**0.9 - 1.1**	**Fill**	**14 Aug 2023**	<25	<50	<50	**310**	**300**	<25	<25	<50	**110**	**300**	**400**	**610**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329D	**1.9 - 2.1**	**Fill**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
329D	**2.4 - 2.6**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
329D	**2.9 - 3.1**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	**110**	<100	<100	**240**	<100	<100	<0.2	-	**7**	-	**1,300**	-	**610**	-	**180**	-	-	**72**	**24**	**34**	<1	**33**	**3**	**2**	<1	<1
329D	**3.4 - 3.6**	**Natural**	**14 Aug 2023**	**2,700**	**250**	**250**	<100	<100	**4,200**	**5,700**	**690**	<100	<100	**690**	**250**	**160**	<100	<100	**430**	<100	<100	<0.2	<100	**10**	<100	**1,900**	**2,800**	**870**	**2,700**	**210**	**1,300**	**1,100**	**76**	**26**	**40**	<1	**38**	**4**	**2**	<1	<1
329D	**4 - 4.2**	**Natural**	**14 Aug 2023**	**6,900**	**1,300**	**1,300**	**490**	<100	**12,000**	**15,000**	**2,900**	**450**	<100	**3,300**	**1,800**	**1,200**	<100	<100	**2,600**	<100	<100	<0.2	<200	**64**	**290**	**5,000**	**45,000**	**2,300**	**20,000**	**760**	**8,000**	**3,100**	**180**	**67**	**98**	<1	**93**	**18**	**9**	<1	<1
329D	**4.5 - 4.7**	**Natural**	**14 Aug 2023**	**2,200**	**850**	**850**	**130**	<100	**3,200**	**4,400**	**1,700**	**120**	<100	**1,900**	**980**	**490**	<100	<100	**980**	<100	<100	<0.2	-	**24**	-	**1,400**	-	**610**	-	**200**	-	**810**	**88**	**25**	**22**	<1	**22**	**12**	**6**	<1	<1
329D	**5 - 5.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	**2,400**	<100	<100	**4,800**	<100	<100	<0.2	-	**33**	-	**1,600**	-	**750**	-	**170**	-	-	**60**	**24**	**24**	<1	**22**	**12**	**5**	<1	<1
329D	**5.5 - 5.7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	**2,500**	<100	<100	**4,200**	<100	<100	<0.2	<200	**120**	**610**	**3,100**	**21,000**	**1,300**	**9,600**	**390**	**3,600**	-	**220**	**66**	**48**	<1	**52**	**13**	**18**	<1	<1

Table J1: Summary of Soil Laboratory Results

				TRH											TPH						BTEX											MAH								
				C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	C6-C9 Fraction	C6-C10 Fraction	C10-C14Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	Benzene	Benzene- ASLP	Toluene	Toluene - ASLP	Ethylbenzene	Ethylbenzene- ASLP	Xylene (m & p)	Xylene (m & p) - ASLP	Xylene (o)	Xylene (o) - ASLP	Xylene Total	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LRL				10	50	50	100	100	10	10	50	100	100	50	50	50	100	100	50	100	100	0.2	1	0.5	1	0.5	1	0.5	2	0.5	1	0.5	1	1	1	1	1	1	1	1	1
NEPC(2013) HILs for Comm/Ind D, Soil					20,000		27,000	38,000		26,000												430		99,000		27,000					81,000									
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				370 / 630		NL																3		NL		NL					NL									
NEPC (2013) Management Limits Comm/Ind, Sand					1,000		3,500	10,000		700																														
VMP, Allnex (2020)																									1000		1000		1000		1000									
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																																1,800	1,500	9,900	58,000	24,000		120,000	35,000	120,000
Sample ID	**Sample Depth**	**Matrix**	**Date**																																					
329D	**6 - 6.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<1	**1**	**2**	**51**	**360**	**33**	**270**	**4**	**35**	-	**53**	**17**	**7**	<1	**13**	**5**	**3**	<1	<1
329D	**6.5 - 6.7**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	**67**	<100	<100	**70**	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
329D	**6.9 - 7**	**Natural**	**14 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**2**	-	<2	-	<1	-	<1	**2**	<1	<1	<1	<1	<1	<1	<1
330	**0.1 - 0.3**	**Fill**	**15 Aug 2023**	<25	**81**	**81**	**590**	**170**	<25	<25	**120**	**360**	**330**	**810**	**850**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
330	**1 - 1.2**	**Fill**	**15 Aug 2023**	<25	**90**	**90**	**490**	<100	<25	<25	**87**	**370**	**180**	**640**	**580**	-	-	-	-	-	-	<0.2	-	**0.8**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
330	**2 - 2.2**	**Fill**	**15 Aug 2023**	<25	**200**	**200**	**2,700**	<100	<25	<25	**180**	**2,500**	**250**	**3,000**	**2,900**	-	-	-	-	-	-	<0.2	-	**1**	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
331	**0.1 - 0.3**	**Fill**	**28 Aug 2023**	<25	**95**	**95**	**710**	<100	<25	<25	**91**	**600**	**180**	**870**	**800**	-	-	-	-	-	-	<0.2	-	**1**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
331	**1 - 1.2**	**Fill**	**28 Aug 2023**	**33**	**110**	**110**	**650**	**120**	**36**	**43**	**100**	**530**	**200**	**830**	**880**	<50	**170**	<100	<50	**130**	<100	<0.2	<10	**1**	**73**	**8**	**27**	<2	**330**	<1	**130**	<1	-	-	-	-	-	-	-	-
331	**2.5 - 2.7**	**Fill**	**28 Aug 2023**	**2,400**	**6,600**	**6,600**	**41,000**	**2,600**	**3,300**	**3,600**	**3,900**	**38,000**	**8,000**	**50,000**	**51,000**	**1,100**	**16,000**	**1,000**	**710**	**12,000**	**4,700**	**2**	<10	**450**	<10	**520**	**85**	**150**	**240**	**68**	**58**	**220**	-	-	-	-	-	-	-	-
331	**3 - 3.2**	**Fill**	**28 Aug 2023**	**7,700**	**1,400**	**1,400**	**2,700**	**210**	**10,000**	**13,000**	**2,200**	**2,400**	**500**	**5,100**	**4,300**	**730**	**870**	<100	**1,200**	**720**	**220**	**2**	-	**2,000**	-	**2,100**	-	**870**	-	**290**	-	**1,200**	**170**	**44**	**1,200**	**11**	**43**	**19**	<1	**230**	<1
331	**3.9 - 4.1**	**Fill**	**28 Aug 2023**	**18,000**	**1,600**	**1,600**	**6,400**	**180**	**33,000**	**38,000**	**3,100**	**6,000**	**560**	**9,700**	**8,200**	**310**	**2,000**	<100	**660**	**1,900**	**150**	**2**	<1000	**9,000**	**37,000**	**6,100**	**28,000**	**3,300**	**15,000**	**1,100**	**5,400**	**4,400**	**56**	**20**	**54**	**4**	**43**	<1	<1	**25**	<1
331	**4.8 - 5**	**Fill**	**28 Aug 2023**	**17,000**	**2,100**	**2,100**	**4,400**	**150**	**33,000**	**37,000**	**3,400**	**4,200**	**350**	**8,000**	**6,600**	**1,600**	**3,200**	<100	**2,700**	**3,100**	**180**	**5**	<1000	**9,600**	**52,000**	**6,000**	**37,000**	**3,300**	**18,000**	**1,100**	**7,500**	**4,400**	**120**	**40**	**120**	**9**	**95**	**21**	<1	**18**	<1
331	**5.2 - 5.4**	**Fill**	**28 Aug 2023**	**26,000**	**3,900**	**3,900**	**9,000**	**440**	**49,000**	**56,000**	**6,500**	**8,600**	**800**	**16,000**	**13,000**	**1,700**	**4,200**	**180**	**2,900**	**4,000**	**370**	**9**	<1,000	**15,000**	**96,000**	**8,600**	**40,000**	**4,800**	**21,000**	**1,200**	**7,600**	**6,000**	**170**	**64**	**180**	**14**	**140**	**12**	**9**	**9**	<1
331	**5.7 - 5.9**	**Fill**	**28 Aug 2023**	**44,000**	**4,400**	**4,400**	**8,600**	**450**	**85,000**	**96,000**	**8,100**	**8,200**	**880**	**17,000**	**13,000**	**3,100**	**5,700**	**200**	**5,800**	**5,400**	**490**	**11**	<1,000	**27,000**	**7,800**	**14,000**	**13,000**	**8,100**	**8,600**	**2,700**	**4,100**	**11,000**	**340**	**110**	**360**	**20**	**270**	**95**	<1	<1	<1
331	**6.3 - 6.5**	**Natural**	**28 Aug 2023**	**3,400**	**230**	**220**	**490**	<100	**4,200**	**5,300**	**390**	**450**	<100	**850**	**710**	**160**	**190**	<100	**260**	**200**	<100	**0.6**	<100	**390**	**4,800**	**970**	**8,200**	**430**	**3,600**	**150**	**1,200**	**580**	**28**	**8**	**27**	**2**	**21**	**3**	<1	**2**	<1
331	**6.8 - 7**	**Natural**	**28 Aug 2023**	**3,200**	**220**	**220**	**460**	<100	**6,500**	**7,500**	**380**	**430**	<100	**820**	**680**	-	-	-	-	-	-	**0.4**	<100	**1,700**	**17,000**	**1,700**	**17,000**	**690**	**6,800**	**210**	**2,100**	**900**	**22**	**6**	**21**	**1**	**16**	**2**	<1	**4**	<1
331	**7.3 - 7.5**	**Natural**	**28 Aug 2023**	**1,900**	**120**	**120**	**270**	<100	**3,300**	**3,800**	**200**	**250**	<100	**450**	**390**	-	-	-	-	-	-	**0.2**	-	**690**	-	**790**	-	**320**	-	**59**	-	**380**	-	-	-	-	-	-	-	-
331	**7.8 - 8**	**Natural**	**28 Aug 2023**	**2,600**	**130**	**130**	**290**	<100	**3,300**	**4,000**	**230**	**270**	<100	**490**	**420**	**58**	<100	<100	**96**	<100	<100	**0.3**	-	**480**	-	**610**	-	**260**	-	**49**	-	**310**	**14**	**4**	**13**	<1	**10**	**2**	<1	**2**	<1
331	**8.3 - 8.5**	**Natural**	**28 Aug 2023**	**1,000**	**180**	**180**	**380**	<100	**2,000**	**2,300**	**320**	**350**	<100	**680**	**560**	-	-	-	-	-	-	**0.4**	<100	**480**	**2,400**	**520**	**4,400**	**210**	**2,100**	**71**	**7,100**	**820**	**15**	**4**	**14**	<1	**11**	**2**	<1	**3**	<1
331	**8.8 - 9**	**Natural**	**28 Aug 2023**	<25	**460**	**450**	**880**	<100	**3,000**	**3,100**	**810**	**830**	<100	**1,600**	**1,300**	**110**	**180**	<100	**200**	**170**	<100	**0.2**	<1,000	**1,300**	**47,000**	**1,300**	**23,000**	**630**	**13,000**	**190**	**4,300**	**820**	**30**	**10**	**24**	**4**	**19**	**7**	<1	**29**	<1
331 (Retest 1)	**8.8 - 9**	**Natural**	**28 Aug 2023**	**13,000**	-	-	-	-	**12,000**	**20,000**	-	-	-	-	-	**110**	**180**	<100	**200**	**170**	<100	<20	-	**2,900**	-	**2,200**	-	**1,200**	-	**400**	-	**1,600**	-	-	-	-	-	-	-	-
331 (Retest 2)	**8.8 - 9**	**Natural**	**28 Aug 2023**	**5,000**	-	-	-	-	**9,900**	**12,000**	-	-	-	-	-	-	-	-	-	-	-	<20	-	**2,900**	-	**2,400**	-	**1,300**	-	**420**	-	**1,700**	-	-	-	-	-	-	-	-
332	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<25	<50	<50	**610**	**510**	<25	<25	<50	**320**	**470**	**790**	**1,100**	<50	**290**	**200**	<50	**130**	**240**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
332	**1 - 1.2**	**Fill**	**29 Aug 2023**	<25	**440**	**440**	**1,800**	**250**	<25	<25	**390**	**1,600**	**480**	**2,400**	**2,500**	**120**	**320**	<100	**100**	**260**	**110**	<0.2	-	**1**	-	**1**	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
333	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<25	<50	<50	**520**	**620**	<25	<25	<50	**240**	**470**	**710**	**1,100**	<50	**240**	**150**	<50	**110**	**190**	<0.2	-	**0.5**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
333	**1 - 1.2**	**Fill**	**29 Aug 2023**	<25	**110**	**110**	**710**	<100	<25	<25	**100**	**610**	**160**	**870**	**820**	<50	**150**	<100	<50	**120**	<100	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
333	**1.5 - 1.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2 - 2.2**	**Fill**	**29 Aug 2023**	<25	<50	<50	**370**	**100**	<25	<25	<50	**280**	**150**	**430**	**480**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
333 (Retest 1)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333 (Retest 2)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2.4 - 2.6**	**Fill**	**29 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
333	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
333	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333 (Retest 1)	**5.8 - 6**	**Natural**	**29 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
333 (Retest 2)	**7.3 - 7.5**	**Natural**	**29 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
334	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<25	<50	<50	**840**	**810**	<25	<25	<50	**380**	**720**	**1,100**	**1,600**	<50	**430**	**220**	<50	**190**	**330**	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
334	**2 - 2.2**	**Fill**	**29 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	**50**	<100	<100	**50**	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**4**	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
334	**2.5 - 2.7**	**Fill**	**29 Aug 2023**	**110**	**340**	**340**	**130**	<100	**44**	**130**	**460**	**150**	<100	**610**	**470**	-	-	-	-	-	-	<0.2	<10	<0.5	**140**	**12**	**92**	**6**	**61**	<1	**68**	**6**	**23**	**5**	**1**	<1	**4**	<1	<1	<1	<1
334	**3 - 3.2**	**Fill**	**29 Aug 2023**	**140**	**280**	**280**	**600**	<100	**160**	**230**	**330**	**530**	**120**	**990**	**880**	**230**	**850**	<100	**300**	**740**	**170**	<0.2	<1	**8**	**1**	**39**	<1	**37**	**75**	**7**	**23**	**44**	**19**	**3**	**4**	<1	**6**	<1	<1	<1	<1
334	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	**36**	**71**	**70**	**810**	**180**	<25	**41**	**82**	**590**	**300**	**970**	**1,100**	<50	**640**	<100	**57**	**500**	**200**	<0.2	-	**0.7**	-	**1**	-	**3**	-	<1	-	**3**	-	-	-	-	-	-	-	-
334	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	<25	<50	<50	**210**	<100	<25	<25	**50**	**120**	**120**	**290**	**210**	<50	**140**	<100	<50	**120**	<100	<0.2	<1	<0.5	**4**	<1	**6**	<2	**5**	<1	**3**	<1	-	-	-	-	-	-	-	-	-
334	**6 - 6.2**	**Natural**	**29 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	<1	**0.8**	<1	**1**	<1	<2	<2	<1	<1	<1	-	-	-	-	-	-	-	-
334	**6.8 - 7**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**7.3 - 7.5**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**0.2 - 0.4**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
335	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
335	**1.1 - 1.3**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
335	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD5/20230824*	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
335	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
BD6/20230824^	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
335	**5.7 - 5.9**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
336	**0.2 - 0.3**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
336	**0.4 - 0.5**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
336	**0.6 - 0.7**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
336	**1.1 - 1.2**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
336	**1.4 - 1.5**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
336	**2.4 - 2.6**	**Fill**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
336	**2.7 - 2.9**	**Natural**	**24 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
337	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
337	**0.5 - 0.7**	**Fill**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
337	**1.5 - 1.7**	**Fill**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
337	**2.4 - 2.6**	**Natural**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
337	**4.8 - 5**	**Natural**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
337	**6.8 - 7**	**Natural**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD3/20230825*	**6.8 - 7**	**Natural**	**25 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
337	**7.8 - 8**	**Natural**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD4/20230825^	**7.8 - 8**	**Natural**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
338	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
338	**1 - 1.2**	**Fill**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
338	**2.1 - 2.3**	**Natural**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
338	**4.8 - 5**	**Natural**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
338	**5.8 - 6**	**Natural**	**25 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	<1	<0.5	**54**	<1	**46**	<2	**36**	<1	**12**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
338	**6.8 - 7**	**Natural**	**25 Aug 2023**	**49**	**840**	**840**	**1,600**	<100	**28**	**66**	**1,100**	**1,500**	**290**	**2,900**	**2,400**	-	-	-	-	-	-	<0.2	<10	<0.5	**77**	**2**	**77**	**12**	**62**	**3**	**31**	**15**	-	-	-	-	-	-	-	-	-
338	**7.8 - 8**	**Natural**	**25 Aug 2023**	**690**	**390**	**390**	<100	<100	**310**	**780**	**760**	<100	<100	**760**	**390**	-	-	-	-	-	-	<0.2	-	<0.5	-	**9**	-	**61**	-	**18**	-	**79**	-	-	-	-	-	-	-	-
338 (Retest 1)~	**7.8 - 8**	**Natural**	**25 Aug 2023**	**620**	-	-	-	-	**280**	**730**	-	-	-	-	-	**220**	<100	<100	**440**	<100	<100	<0.2	<1	<0.5	**2**	**12**	<1	**81**	**23**	**21**	**21**	**100**	-	-	-	-	-	-	-	-
338 (Retest 2)	**7.8 - 8**	**Natural**	**25 Aug 2023**	**290**	-	-	-	-	**80**	**300**	-	-	-	-	-	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	**8**	-	**3**	-	**11**	-	-	-	-	-	-	-	-
BD1/20230825*	**7.8 - 8**	**Natural**	**25 Aug 2023**	**64**	<50	<50	<100	<100	**33**	**70**	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	**0.6**	-	**4.4**	-	**1.4**	-	**5.8**	-	-	-	-	-	-	-	-
339	**0.2 - 0.4**	**Fill**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
339	**1 - 1.2**	**Fill**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
339	**1.6 - 1.8**	**Natural**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
339	**2.8 - 3**	**Natural**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
339	**4.8 - 5**	**Natural**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD2/20230828^	**4.8 - 5**	**Natural**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
339	**5.8 - 6**	**Natural**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
339	**7.8 - 8**	**Natural**	**28 Aug 2023**	**37**	<50	<50	<100	<100	<25	**37**	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD3/20230828*	**7.8 - 8**	**Natural**	**28 Aug 2023**	**73**	**290**	**290**	<100	<100	**34**	**73**	**500**	<100	<100	**500**	**290**	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
340	**0.3 - 0.5**	**Fill**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
340	**0.8 - 1**	**Fill**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	**2**	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
340	**1.1 - 1.3**	**Fill**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				TRH											TPH						BTEX										MAH									
				C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	C6-C9 Fraction	C6-C10 Fraction	C10-C14Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	Benzene	Benzene- ASLP	Toluene	Toluene - ASLP	Ethylbenzene	Ethylbenzene- ASLP	Xylene (m & p)	Xylene (m & p) - ASLP	Xylene (o)	Xylene (o) - ASLP	Xylene Total	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	mg/kg	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LRL				10	50	50	100	100	10	10	50	100	100	50	50	50	100	100	50	100	100	0.2	1	0.5	1	0.5	1	0.5	2	0.5	1	0.5	1	1	1	1	1	1	1	1
NEPC(2013) HILs for Comm/Ind D, Soil					20,000		27,000	38,000		26,000												430		99,000		27,000					81,000									
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				370 / 630		NL																3		NL		NL					NL									
NEPC (2013) Management Limits Comm/Ind, Sand					1,000		3,500	10,000		700																														
VMP, Allnex (2020)																									1000		1000		1000		1000									
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																																1,800	1,500	9,900	58,000	24,000		120,000	35,000	120,000
Sample ID	**Sample Depth**	**Matrix**	**Date**																																					
340	**2.8 - 3**	**Fill**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
340	**3.6 - 3.8**	**Natural**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
341	**0.2 - 0.4**	**Fill**	**28 Aug 2023**	<25	<50	<50	**120**	<100	<25	<25	<50	<100	<100	<50	**120**	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
341	**0.7 - 0.9**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**1.2 - 1.4**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**1.7 - 1.9**	**Fill**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
341	**3.2 - 3.4**	**Natural**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
341	**5.8 - 6**	**Natural**	**28 Aug 2023**	<25	<50	<50	<100	<100	<25	<25	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<1	-	<2	-	<1	-	<1	-	-	-	-	-	-	-	-
BD1/20230828*	**5.8 - 6**	**Natural**	**28 Aug 2023**	<10	<50	<50	<100	<100	<10	<10	<50	<100	<100	<50	<50	-	-	-	-	-	-	<0.2	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-
CPT101	**0.15 - 0.25**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT102	**0.13 - 0.2**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT103	**0.03 - 0.1**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT104	**0.18 - 0.25**	**Fill**	**01 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT105	**0.15 - 0.25**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT106	**0.15 - 0.25**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT107	**0.16 - 0.25**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT108	**0.2 - 0.3**	**Fill**	**01 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT109	**0.17 - 0.3**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT110	**0.17 - 0.3**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT111	**0.15 - 0.25**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT112	**0.17 - 0.3**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT113	**0.15 - 0.25**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT114	**0.2 - 0.3**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT115	**0.15 - 0.25**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT116	**0.09 - 0.2**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT117	**0.17 - 0.3**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT118	**0.15 - 0.25**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT119	**0.16 - 0.25**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT120	**0.13 - 0.25**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

^ : Intra-laboratory replicate listed directly below the primary.

* : Inter-laboratory replicate listed directly below the primary.

LRL : Laboratory reporting limit.

SAC : Refer to Appendix H for additional SAC informatic

: Criteria in line also includes NEMP (2020) PFAS and CRC Care (2011) direct contact criteria.

~ : Retest of sample 33/7.8-8 also included analysis of other analytes.

- Sample depth relative to current site levels.

Table J1: Summary of Soil Laboratory Results

| | | | | Halogenated Benzenes | | | | | | | | | | | Chlorinated Hydrocarbons | | | | | | | PAH | | | | | | | | | | |

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| | | | | Halogenated Benzenes | | | | | | | | | | Chlorinated Hydrocarbons | | | | | | | PAH | | | | | | | | | |

Table J1: Summary of Soil Laboratory Results

				PAH								Metals															PCB									OCP								
				Naphthalene (as VOC)	Naphthalene (asPAH)	Naphthalene (as PAH)- ASLP	Phenanthrene	Phenanthrene - ASLP	Pyrene	Pyrene - ASLP	PAHs (Sum of positives)	Arsenic	Arsenic - ASLP	Cadmium	Cadmium - ASLP	Chromium	Chromium - ASLP	Copper	Copper - ASLP	Lead	Lead - ASLP	Mercury	Mercury - ASLP	Nickel	Nickel - ASLP	Zinc	Zinc - ASLP	Phenolics Total	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Aldrin	Dieldrin	Aldrin - ASLP	Dieldrin - ASLP	a-BHC	a-BHC - ASLP	b-BHC	b-BHC - ASLP
				mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	4	1	0.4	0.1	1	1	1	1	1	1	0.1	0.05	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2
NEPC(2013) HILs for Comm/Ind D, Soil				11000	11000						4,000	3,000		900		3,600		240,000		1,500		730		6,000		400,000		240,000								7	45							
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				NL	NL																																						
NEPC (2013) Management Limits Comm/Ind, Sand																																												
VMP, Allnex (2020)																																												
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5									23,000																																	3.6		13	
Sample ID	**Sample Depth**	**Matrix**	**Date**																																									
201	**1.9 - 2**	**Fill**	**06 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	**2**	-	**4**	-	<0.1	-	**2**	-	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
201	**12 - 12.3**	**Natural**	**06 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**0.15 - 0.25**	**Fill**	**01 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**16**	-	**75**	-	**32**	-	**0.2**	-	**52**	-	**52**	-	<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	-
202	**0.5 - 0.7**	**Natural**	**01 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230901^	**0.5 - 0.7**	**Natural**	**01 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**0.8 - 1**	**Natural**	**01 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	**2**	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230901^	**0.8 - 1**	**Natural**	**01 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	**2**	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**1.5 - 1.7**	**Natural**	**01 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230901^	**1.5 - 1.7**	**Natural**	**01 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**5.5 - 5.95**	**Natural**	**01 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	**1**	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**7.5 - 7.95**	**Natural**	**01 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**10.5 - 10.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**18 - 18.45**	**Natural**	**01 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**19.5 - 19.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**0.25 - 0.35**	**Fill**	**05 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**12**	-	**16**	-	**63**	-	<0.1	-	**6**	-	**29**	-	<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	-
203	**0.6 - 0.8**	**Natural**	**05 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230905*	**0.6 - 0.8**	**Natural**	**05 Sep 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**1.5 - 1.7**	**Natural**	**05 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230905*	**1.5 - 1.7**	**Natural**	**05 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**2 - 2.2**	**Natural**	**05 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230905*	**2 - 2.2**	**Natural**	**05 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**4 - 4.45**	**Natural**	**05 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**3**	-	<1	-	<0.1	-	**1**	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**5 - 5.2**	**Natural**	**05 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230905^	**5 - 5.2**	**Natural**	**05 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**5.5 - 5.95**	**Natural**	**05 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**8 - 8.35**	**Natural**	**05 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**14 - 14.45**	**Natural**	**05 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**56**	-	<0.4	-	**8**	-	**2**	-	<1	-	<0.1	-	**1**	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**17 - 17.45**	**Natural**	**05 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**18.5 - 18.8**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**0.5 - 0.7**	**Fill**	**04 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**2**	-	**7**	-	<0.1	-	**3**	-	**12**	-	<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	-
204	**1.5 - 1.7**	**Natural**	**04 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230904^	**1.5 - 1.7**	**Natural**	**04 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	**1**	-	**9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**2 - 2.2**	**Natural**	**04 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230904^	**2 - 2.2**	**Natural**	**04 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**4.5 - 4.7**	**Natural**	**04 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230904^	**4.5 - 4.7**	**Natural**	**04 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**5 - 5.2**	**Natural**	**04 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**5**	-	<1	-	**17**	-	<0.1	-	<1	-	**8**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230904^	**5 - 5.2**	**Natural**	**04 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**13**	-	<0.1	-	<1	-	**8**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**8 - 8.38**	**Natural**	**04 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**17 - 17.45**	**Natural**	**04 Sep 2023**	<1	<0.3	-	<0.3	-	<0.3	-	**0.4**	<4	-	<0.4	-	**5**	-	**3**	-	**2**	-	<0.1	-	**3**	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD5/20230904^	**17 - 17.45**	**Natural**	**04 Sep 2023**	<1	<0.3	-	<0.3	-	<0.3	-	<0.15	<4	-	<0.4	-	**4**	-	**3**	-	**3**	-	<0.1	-	**3**	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**20 - 20.4**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**9 - 9.3**	**Natural**	**07 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**10 - 10.45**	**Natural**	**07 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**13 - 13.45**	**Natural**	**07 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**17 - 17.45**	**Natural**	**07 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**0.15 - 0.25**	**Fill**	**08 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	**6**	-	**8**	-	<0.1	-	**3**	-	**13**	-	<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	-
206	**0.5 - 0.7**	**Natural**	**08 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230908^	**0.5 - 0.7**	**Natural**	**08 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**1**	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**1.5 - 1.7**	**Natural**	**08 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230908^	**1.5 - 1.7**	**Natural**	**08 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**2 - 2.2**	**Natural**	**08 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230908^	**2 - 2.2**	**Natural**	**08 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**5 - 5.2**	**Natural**	**08 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230908^	**5 - 5.2**	**Natural**	**08 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**5.5 - 5.95**	**Natural**	**08 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**9.5 - 9.8**	**Natural**	**08 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**16.5 - 16.95**	**Natural**	**08 Sep 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**14 - 14.45**	**Natural**	**31 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**15 - 15.45**	**Natural**	**31 Aug 2023**	<1	<0.2	-	<0.2	-	<0.2	-	<0.1	**56**	-	<0.4	-	**15**	-	**2**	-	**3**	-	<0.1	-	**3**	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**20 - 20.38**	**Natural**	**31 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**0.2 - 0.4**	**Fill**	**30 Aug 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	<4	-	<0.4	-	**26**	-	**6**	-	**400**	-	<0.1	-	**4**	-	**30**	-	<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	-
208	**1 - 1.45**	**Fill**	**30 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**260**	-	**3**	-	**1,400**	-	<0.1	-	**2**	-	**270**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208/PACM3	**1.45**	**Material**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**1.5 - 1.7**	**Fill**	**30 Aug 2023**	-	-	-	-	-	-	-	-	<4	-	<0.4	-	**48**	-	**1**	-	**230**	-	<0.1	-	<1	-	**38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**2.3 - 2.5**	**Natural**	**30 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230830^	**2.3 - 2.5**	**Natural**	**30 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**5.5 - 5.95**	**Natural**	**30 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**8**	-	**1**	-	**10**	-	<0.1	-	**2**	-	**11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**7.5 - 7.95**	**Natural**	**30 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**22**	-	**2**	-	**3**	-	<0.1	-	**1**	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**8.5 - 8.95**	**Natural**	**30 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**13.5 - 13.95**	**Natural**	**30 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**1**	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**15.5 - 15.95**	**Natural**	**30 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**0.5 - 0.7**	**Fill**	**11 Sep 2023**	**1**	**1.6**	-	**0.4**	-	**0.7**	-	**5.9**	<4	**2**	**2**	**0.4**	**300**	**82**	**130**	**22**	**1,700**	**230**	**20**	**6.3**	**11**	**2**	**1,000**	**140**	<5	<1	<1	<1	<1	<1	<1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
209	**1 - 1.45**	**Fill**	**11 Sep 2023**	<1	**0.7**	-	**0.4**	-	**0.6**	-	**4.6**	**6**	**2**	**1**	<0.1	**240**	**36**	**64**	**16**	**1,200**	**49**	**37**	**1.5**	**13**	**1**	**540**	**17**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209/PACM4	**2**	**Material**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**2 - 2.2**	**Fill**	**11 Sep 2023**	**5**	**2.9**	-	**0.4**	-	**0.8**	-	**7.4**	**4**	**3**	**1**	**0.2**	**210**	**55**	**200**	**29**	**1,200**	**160**	**24**	**7.9**	**17**	**2**	**600**	**50**	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
209	**2.5 - 2.9**	**Fill**	**11 Sep 2023**	**4**	**3.4**	-	**0.2**	-	**0.3**	-	**5.0**	**7**	-	**2**	-	**320**	-	**77**	-	**1,800**	-	**43**	-	**18**	-	**390**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**3.5 - 3.7**	**Fill**	**11 Sep 2023**	**3**	**4.6**	**3.5**	**0.3**	<0.1	**0.3**	<0.1	**6.6**	<4	**11**	**0.9**	**0.1**	**140**	**38**	**60**	**34**	**720**	**53**	**31**	**6.5**	**15**	**3**	**290**	**15**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**4 - 4.45**	**Fill**	**11 Sep 2023**	**71**	-	**32**	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**5 - 5.2**	**Fill**	**11 Sep 2023**	**25**	**48**	**34**	**0.3**	<0.1	**0.3**	<0.1	**50**	**23**	-	**0.6**	-	**120**	-	**43**	-	**380**	-	**9.7**	-	**7**	-	**340**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**5.5 - 5.95**	**Fill**	**11 Sep 2023**	**10**	**13**	**0.44**	<0.1	**0.10**	**0.2**	<0.1	**13**	**6**	**6**	<0.4	**0.2**	**86**	**29**	**27**	**18**	**240**	**76**	**6.8**	**1.7**	**7**	**3**	**250**	**100**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**6.5 - 6.95**	**Natural**	**11 Sep 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	<4	-	<0.4	-	**8**	-	**2**	-	**12**	-	**0.1**	-	<1	-	**19**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
209	**8 - 8.3**	**Natural**	**11 Sep 2023**	<1	**0.1**	-	<0.1	-	<0.1	-	**0.1**	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**9 - 9.45**	**Natural**	**11 Sep 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**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	-
209	**11 - 11.3**	**Natural**	**11 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**3**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**15 - 15.2**	**Natural**	**11 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**23**	-	**5**	-	**12**	-	<0.1	-	**3**	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**0.5 - 0.7**	**Fill**	**12 Sep 2023**	<1	**1.9**	-	**0.4**	-	**0.5**	-	**5.0**	<4	**5**	**0.7**	**0.2**	**130**	**40**	**41**	**19**	**860**	**200**	**7.6**	**0.4**	**10**	**2**	**230**	**55**	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**2 - 2.2**	**Fill**	**12 Sep 2023**	<1	**0.2**	-	**0.4**	-	**0.7**	-	**4.6**	<4	-	**0.4**	-	**88**	-	**38**	-	**460**	-	**8.2**	-	**10**	-	**170**	-	<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	-
210	**3.5 - 3.7**	**Fill**	**12 Sep 2023**	<1	**0.5**	-	**2.8**	-	**2.7**	-	**16**	**4**	**7**	**0.6**	**0.3**	**93**	**47**	**46**	**23**	**490**	**240**	**10**	**1.9**	**13**	**4**	**290**	**110**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**4 - 4.2**	**Fill**	**12 Sep 2023**	**24**	**110**	**6.1**	**9.5**	**1.1**	**4.7**	**0.41**	**140**	<4	**4**	**0.7**	**0.6**	**1,600**	**420**	**66**	**23**	**9,900**	**2,100**	**5.9**	**0.4**	**29**	**8**	**840**	**540**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				PAH								Metals														Phenolics	PCB								OCP							
				Naphthalene (as VOC)	Naphthalene (asPAH)	Naphthalene (as PAH)- ASLP	Phenanthrene	Phenanthrene - ASLP	Pyrene	Pyrene - ASLP	PAHs (Sum of positives)	Arsenic	Arsenic - ASLP	Cadmium	Cadmium - ASLP	Chromium	Chromium - ASLP	Copper	Copper - ASLP	Lead	Lead - ASLP	Mercury	Mercury - ASLP	Nickel	Nickel - ASLP	Zinc	Zinc - ASLP	Phenolics Total	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Aldrin	Dieldrin	Aldrin - ASLP	Dieldrin - ASLP	a-BHC	a-BHC - ASLP	b-BHC	b-BHC - ASLP
				mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	4	1	0.4	0.1	1	1	1	1	1	0.1	0.05	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2
NEPC(2013) HILs for Comm/Ind D, Soil				11000	11000						4,000	3,000		900		3,600		240,000		1,500		730		6,000		400,000		240,000								7		45						
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				NL	NL																																					
NEPC (2013) Management Limits Comm/Ind, Sand																																											
VMP, Allnex (2020)																																											
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5									23,000																																		
Sample ID	**Sample Depth**	**Matrix**	**Date**																																								
BD4/20230912^	**4 - 4.2**	**Fill**	**12 Sep 2023**	**14**	**92**	-	**8.2**	-	**3.6**	-	**120**	**9**	-	**1**	-	**1,800**	-	**100**	-	**12,000**	-	**10**	-	**25**	-	**1,300**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**5.5 - 5.8**	**Fill**	**12 Sep 2023**	**4**	**5.5**	**1.4**	**0.5**	**0.65**	**0.3**	<0.1	**7.3**	**110**	**10**	**1**	1	**19,000**	**980**	**170**	**60**	**100,000**	**7,000**	**8.3**	**0.3**	**55**	**16**	**4,300**	**910**	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
210	**5.8 - 5.95**	**Natural**	**12 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	**7**	<0.4	<0.1	**3**	**3**	<1	<1	**11**	**7**	<0.1	<0.05	<1	<1	**2**	**3**	<5	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	-	<0.1	-
210	**7 - 7.45**	**Natural**	**12 Sep 2023**	<1	**2.4**	-	<0.1	-	<0.1	-	**2.4**	<4	**5**	<0.4	<0.1	**300**	**71**	**10**	**3**	**1,700**	**470**	**0.3**	**0.05**	**3**	**1**	**240**	**87**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**8.5 - 8.95**	**Natural**	**12 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**7**	-	<1	-	**13**	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**13.5 - 13.6**	**Natural**	**12 Sep 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**6**	-	<1	-	**28**	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301	**0.5 - 0.7**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	**1**	-	<1	-	<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	-	<0.1	-
301	**1 - 1.2**	**Natural**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**13**	-	**5**	-	<0.1	-	**10**	-	**20**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**0.8 - 1**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	**0.05**	<4	-	<0.4	-	<1	-	**2**	-	**3**	-	<0.1	-	<1	-	**6**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
302	**2.3 - 2.5**	**Natural**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	**1**	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**2.8 - 3**	**Natural**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**4.8 - 5**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230817*	**4.8 - 5**	**Natural**	**17 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**6.8 - 7**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**9.8 - 10**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**11.5 - 11.6**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**5**	-	**4**	-	<0.1	-	**1**	-	**5**	-	<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	-	<0.1	-
303	**1.2 - 1.4**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**3**	-	<0.1	-	<1	-	**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	-
303	**1.7 - 1.9**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**2**	-	**5**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	**2.1 - 2.3**	**Fill**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	**2.6 - 2.8**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	**1**	-	**1**	-	<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	-	<0.1	-
303	**3 - 3.2**	**Natural**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	**1**	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	**4.8 - 5**	**Natural**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230817*	**4.8 - 6**	**Natural**	**17 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**0.2 - 0.3**	**Fill**	**17 Aug 2023**	<1	**1.3**	-	<0.1	-	<0.1	-	**1.3**	<4	-	<0.4	-	**9**	-	**110**	-	**6**	-	<0.1	-	**19**	-	**16**	-	<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	-	<0.1	-
304	**0.3 - 0.5**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**5**	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**1.7 - 1.9**	**Natural**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	**2**	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**2.8 - 3**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**3.8 - 4**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**4.3 - 4.5**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**4.8 - 5**	**Natural**	**17 Aug 2023**	**2**	**1.7**	-	<0.1	-	<0.1	-	**1.7**	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230817*	**4.8 - 5**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**5.3 - 5.5**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**5.8 - 6**	**Natural**	**17 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**0.2 - 0.3**	**Fill**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	<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	-	<0.1	-
305	**1 - 1.2**	**Fill**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**1**	-	<0.1	-	**1**	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**2 - 2.2**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**3.8 - 4**	**Natural**	**22 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**4.8 - 5**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**4**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230822*	**4.8 - 5**	**Natural**	**22 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**5.8 - 6**	**Natural**	**22 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306	**0.2 - 0.3**	**Fill**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	**6**	-	**3**	-	<0.1	-	**2**	-	**5**	-	<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	-	<0.1	-
306	**0.8 - 1**	**Fill**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**5**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306	**1.2 - 1.4**	**Fill**	**11 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306	**3.8 - 4**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**21**	-	**13**	-	<0.1	-	**4**	-	**17**	-	<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	-	<0.1	-
307	**1.5 - 1.7**	**Fill**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**3**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**1.9 - 2.1**	**Natural**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**4.8 - 5**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**5.8 - 6**	**Natural**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**6.8 - 7**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230825^	**6.8 - 7**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**0.2 - 0.4**	**Fill**	**22 Aug 2023**	<1	<0.1	-	**0.1**	-	<0.1	-	**0.1**	<4	-	<0.4	-	**3**	-	**49**	-	**4**	-	<0.1	-	**13**	-	**14**	-	<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	-	<0.1	-
308	**1 - 1.2**	**Fill**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	**3**	-	**16**	-	**0.5**	-	**1**	-	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**1.7 - 1.9**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**4.8 - 5**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**5.8 - 6**	**Natural**	**22 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**6.8 - 7**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**9.8 - 10**	**Natural**	**22 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**10.8 - 11**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**6**	-	**30**	-	<0.1	-	**4**	-	**4**	-	<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	-	<0.1	-
309	**0.5 - 0.7**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**0.9 - 1.1**	**Fill**	**16 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**1.2 - 1.4**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	**1**	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**1.8 - 2**	**Natural**	**16 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**2.8 - 3**	**Natural**	**16 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**4.8 - 5**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**5.8 - 6**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**7.8 - 8**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**32**	-	**20**	-	**6**	-	<0.1	-	**34**	-	**40**	-	<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	-	<0.1	-
310	**0.8 - 1**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	**2**	-	<0.1	-	<1	-	<1	-	<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	-	<0.1	-
310	**1.6 - 1.8**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**3.6 - 3.8**	**Natural**	**16 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**4.6 - 4.8**	**Natural**	**16 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**5.6 - 5.8**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230816^	**5.6 - 5.8**	**Natural**	**16 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**6.6 - 6.8**	**Natural**	**16 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**7.6 - 7.8**	**Natural**	**16 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**0.2 - 0.3**	**Fill**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**9**	-	**51**	-	**7**	-	<0.1	-	**7**	-	**18**	-	<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	-	<0.1	-
311	**0.5 - 0.7**	**Fill**	**10 Aug 2023**	<1	<0.1	-	**0.4**	-	**0.7**	-	**4.4**	**19**	-	**0.4**	-	**66**	-	**27**	-	**64**	-	<0.1	-	**3**	-	**110**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**2 - 2.2**	**Fill**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	**0.2**	-	**0.4**	**30**	-	**0.5**	-	**41**	-	**70**	-	**51**	-	<0.1	-	**3**	-	**470**	-	<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	-	<0.1	-
311	**3.4 - 3.6**	**Natural**	**10 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**4.4 - 4.6**	**Natural**	**10 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**5.4 - 5.6**	**Natural**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**5**	-	**4**	-	**9**	-	<0.1	-	**1**	-	**31**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**6.4 - 6.6**	**Natural**	**10 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**7.4 - 7.6**	**Natural**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**8.4 - 8.6**	**Natural**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**0.15 - 0.25**	**Fill**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**14**	-	**27**	-	**54**	-	<0.1	-	**37**	-	**67**	-	<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	-	<0.1	-
312/PACM3	**0.2**	**Material**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				PAH								Metals															Phenolics Total	PCB								OCP								
				Naphthalene (as VOC)	Naphthalene (asPAH)	Naphthalene (as PAH)- ASLP	Phenanthrene	Phenanthrene - ASLP	Pyrene	Pyrene - ASLP	PAHs (Sum of positives)	Arsenic	Arsenic - ASLP	Cadmium	Cadmium - ASLP	Chromium	Chromium - ASLP	Copper	Copper - ASLP	Lead	Lead - ASLP	Mercury	Mercury - ASLP	Nickel	Nickel - ASLP	Zinc	Zinc - ASLP		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Aldrin	Dieldrin	Aldrin - ASLP	Dieldrin - ASLP	a-BHC	a-BHC - ASLP	b-BHC	b-BHC - ASLP
				mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	4	1	0.4	0.1	1	1	1	1	1	0.1	0.05	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2
NEPC(2013) HILs for Comm/Ind D, Soil				11000	11000						4,000	3,000		900		3,600		240,000		1,500		730		6,000		400,000		240,000								7		45						
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				NL	NL																																						
NEPC (2013) Management Limits Comm/Ind, Sand																																											
VMP, Allnex (2020)																																											
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5									23,000																																3.6		13	
Sample ID	**Sample Depth**	**Matrix**	**Date**																																									
312	**0.4 - 0.6**	**Fill**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**1**	-	<0.1	-	**2**	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**1.5 - 1.7**	**Fill**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**6**	-	<1	-	**5**	-	<0.1	-	<1	-	**6**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**1.8 - 2**	**Natural**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	**1**	-	**7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**3.8 - 4**	**Natural**	**23 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**4.8 - 5**	**Natural**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**4**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230823^	**4.8 - 5**	**Natural**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	**0.4**	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**5.8 - 6**	**Natural**	**23 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**6.8 - 7**	**Natural**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**10.8 - 11**	**Natural**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**0.4 - 0.5**	**Fill**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**33**	-	**44**	-	<0.1	-	**5**	-	**45**	-	<5	-	-	-	-	-	-	-	**0.7**	<0.1	<0.1	-	-	<0.1	-	<0.1	-
313	**0.8 - 1**	**Fill**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**11**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-
313	**1.4 - 1.6**	**Fill**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	**2**	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**2.8 - 3**	**Natural**	**23 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	**1**	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**3.8 - 4**	**Natural**	**23 Aug 2023**	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**4.3 - 4.5**	**Natural**	**23 Aug 2023**	**12**	**9.3**	-	<0.1	-	<0.1	-	**9.3**	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**4.8 - 5**	**Natural**	**23 Aug 2023**	**13**	**9.3**	**230**	<0.1	<0.1	<0.1	<0.1	**9.3**	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**5.3 - 5.5**	**Natural**	**23 Aug 2023**	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**5.8 - 6**	**Natural**	**23 Aug 2023**	**5**	**2.9**	-	<0.1	-	<0.1	-	**2.9**	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**6.3 - 6.5**	**Natural**	**23 Aug 2023**	**13**	-	**87**	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**6.8 - 7**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**7.8 - 8**	**Natural**	**23 Aug 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**8.8 - 9**	**Natural**	**23 Aug 2023**	**3**	-	**22**	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**0.15 - 0.25**	**Fill**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**52**	-	**12**	-	**0.3**	-	**8**	-	**94**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
314	**0.6 - 0.8**	**Fill**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**1.7 - 1.9**	**Fill**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**2 - 2.2**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**4.8 - 5**	**Natural**	**22 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**5.3 - 5.5**	**Natural**	**22 Aug 2023**	**26**	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**5.8 - 6**	**Natural**	**22 Aug 2023**	**140**	-	**480**	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**6.3 - 6.5**	**Natural**	**22 Aug 2023**	**86**	-	**200**	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**6.8 - 7**	**Natural**	**22 Aug 2023**	**29**	-	**350**	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**7.3 - 7.5**	**Natural**	**22 Aug 2023**	**56**	<0.1	**730**	<0.1	<0.1	<0.1	<0.1	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**7.8 - 8**	**Natural**	**22 Aug 2023**	**39**	**19**	**390**	<0.1	<0.1	<0.1	<0.1	**19**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**0.2 - 0.3**	**Fill**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	**0.06**	<4	-	**0.9**	-	**100**	-	**50**	-	**710**	-	**0.3**	-	**67**	-	**460**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**0.8 - 1**	**Fill**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**11**	-	<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	-
315	**1.5 - 1.7**	**Fill**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**5**	-	<1	-	**3**	-	<0.1	-	**2**	-	**4**	-	<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	-
315	**2.8 - 3**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230811^	**2.8 - 3**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**3.8 - 4**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**4.8 - 5**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**5.3 - 5.5**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**5.8 - 6**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**6.3 - 6.5**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**6.8 - 7**	**Natural**	**11 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**7.8 - 8**	**Natural**	**11 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**0.2 - 0.4**	**Fill**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**13**	-	**11**	-	<0.1	-	**4**	-	**22**	-	<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	-
316	**0.5 - 0.7**	**Fill**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**1.4 - 1.6**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	>5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**3.8 - 4**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**4.8 - 5**	**Natural**	**22 Aug 2023**	**6**	**3.1**	-	<0.1	-	<0.1	-	**3.3**	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	**66**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230822^	**4.8 - 5**	**Natural**	**22 Aug 2023**	**8**	**3.2**	-	<0.1	-	<0.1	-	**3.2**	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**3**	-	**8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**5.8 - 6**	**Natural**	**22 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**6.8 - 7**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**9.8 - 10**	**Natural**	**22 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**12**	-	<0.4	-	**6**	-	**3**	-	**4**	-	<0.1	-	**2**	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**0.2 - 0.3**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**6**	-	**7**	-	**29**	-	<0.1	-	**3**	-	**33**	-	<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	-
317	**1 - 1.2**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**12**	-	<0.1	-	**2**	-	**11**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
317	**1.7 - 1.9**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**7**	-	<0.1	-	**2**	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**3.8 - 4**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**4.8 - 5**	**Natural**	**21 Aug 2023**	<1	<1	-	<1	-	<1	-	<0.5	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**5.8 - 6**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**6.8 - 7**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**7.8 - 8**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**8.8 - 9**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**9.8 - 10**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**1**	-	<0.1	-	<1	-	**10**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**1 - 1.2**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	**1**	-	**2**	-	<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	-
318	**1.5 - 1.7**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**2.5 - 2.7**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**3.5 - 3.7**	**Natural**	**15 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**4.5 - 4.7**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**4.8 - 5**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**5.8 - 6**	**Natural**	**15 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**6.8 - 7**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**0.25 - 0.35**	**Fill**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**43**	-	**22**	-	**140**	-	**0.6**	-	**25**	-	**67**	-	<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	-
319	**0.5 - 0.7**	**Fill**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**3**	-	<0.1	-	<1	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**1.1 - 1.3**	**Fill**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**11**	-	**1**	-	**7**	-	<0.1	-	<1	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**1.4 - 1.6**	**Natural**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	<1	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**2.8 - 3**	**Natural**	**10 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**3.8 - 4**	**Natural**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	**1**	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230810^	**3.8 - 4**	**Natural**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**1**	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**4.8 - 5**	**Natural**	**10 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**5.8 - 6**	**Natural**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**6.8 - 7**	**Natural**	**10 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**7.8 - 8**	**Natural**	**10 Aug 2023**	<1	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320	**0.1 - 0.3**	**Fill**	**18 Aug 2023**	<1	**0.2**	-	**0.2**	-	**0.4**	-	**4.6**	**6**	<1	**4.4**	**0.3**	**420**	**150**	**84**	**8**	**4,800**	**190**	**41**	**24**	**110**	**4**	**910**	**63**	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
320	**0.4 - 0.6**	**Natural**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**14**	-	**0.2**	-	**5**	-	**36**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320A	**0.15 - 0.25**	**Fill**	**16 Aug 2023**	<1	**0.1**	-	<0.1	-	<0.1	-	**0.1**	<4	-	<0.4	-	**8**	-	**1**	-	**67**	-	<0.1	-	<1	-	**5**	-	<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	-
320A	**0.5 - 0.6**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**9**	-	**2**	-	**83**	-	**0.1**	-	**1**	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320B	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**18**	-	**13**	-	**120**	-	<0.1	-	**10**	-	**53**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320B	**0.5 - 0.7**	**Fill**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**1**	-	**12**	-	<0.1	-	**1**	-	**14**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				PAH								Metals														Phenolics	PCB								OCP							
				Naphthalene (as VOC)	Naphthalene (asPAH)	Naphthalene (as PAH)- ASLP	Phenanthrene	Phenanthrene - ASLP	Pyrene	Pyrene - ASLP	PAHs (Sum of positives)	Arsenic	Arsenic - ASLP	Cadmium	Cadmium - ASLP	Chromium	Chromium - ASLP	Copper	Copper - ASLP	Lead	Lead - ASLP	Mercury	Mercury - ASLP	Nickel	Nickel - ASLP	Zinc	Zinc - ASLP	Phenolics Total	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Aldrin	Dieldrin	Aldrin - ASLP	Dieldrin - ASLP	a-BHC	a-BHC - ASLP	b-BHC	b-BHC - ASLP
				mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	4	1	0.4	0.1	1	1	1	1	1	1	0.1	0.05	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2
NEPC(2013) HILs for Comm/Ind D, Soil				11000	11000						4,000	3,000		900		3,600		240,000		1,500		730		6,000		400,000		240,000								7		45						
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				NL	NL																																					
NEPC (2013) Management Limits Comm/Ind, Sand																																											
VMP, Allnex (2020)																																											
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5									23,000																																3.6		13	
Sample ID	**Sample Depth**	**Matrix**	**Date**																																								
320B	**0.8 - 1**	**Natural**	**17 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	**0.2 - 0.4**	**Fill**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**81**	-	**8**	-	**1,800**	**890**	<0.1	-	**12**	-	**35**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	**0.5 - 0.7**	**Natural**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**4**	-	<0.1	-	**1**	-	**5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	**1.8 - 2**	**Natural**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	**2**	-	**8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230818*	**1.8 - 2**	**Natural**	**18 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320D	**0 - 0.1**	**Fill**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	**0.1**	-	**0.64**	**6**	**6**	**2**	<0.1	**410**	**34**	**160**	**3**	**1,600**	**23**	**20**	**0.1**	**96**	<1	**1,000**	**11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320D	**0.3 - 0.4**	**Fill**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	**3**	<0.4	<0.1	**140**	**410**	**17**	**2**	**690**	**29**	**1.7**	<0.05	**13**	<1	**130**	**2**	<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	-
320D	**0.5 - 0.7**	**Natural**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320D	**1.8 - 2**	**Natural**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	**1**	-	**5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230818*	**1.8 - 2**	**Natural**	**18 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**9**	-	**35**	-	**42**	-	**1.1**	-	**7**	-	**51**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.2**	-	<0.1	-	<0.1	-
321	**1 - 1.2**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**8**	-	**29**	-	**25**	-	**0.4**	-	**7**	-	**180**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321	**2 - 2.2**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**11**	-	**22**	-	**28**	-	**0.8**	-	**7**	-	**46**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321	**4 - 4.2**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**3**	-	<0.1	-	**1**	-	**6**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321	**5 - 5.2**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321	**6 - 6.2**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321	**7 - 7.2**	**Natural**	**15 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<1	**0.5**	-	**0.1**	-	**0.1**	-	**0.99**	<4	-	<0.4	-	**77**	-	**15**	-	**560**	**28**	**0.1**	-	**13**	-	**110**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**5**	-	**1**	-	**4**	-	<0.1	-	<1	-	**8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**1.8 - 2**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**19**	-	**36**	-	<0.1	-	<1	-	**46**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**2.3 - 2.5**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**4**	-	**22**	-	<0.1	-	<1	-	**26**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**3 - 3.2**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<1	**1.2**	-	**0.2**	-	**0.1**	-	**1.9**	<4	-	**0.7**	-	**130**	-	**48**	-	**3,800**	**460**	**95**	**15**	**29**	-	**490**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**5**	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**1 - 1.2**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**18**	-	**3**	-	**260**	-	**0.3**	-	**1**	-	**28**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**1.8 - 2**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**14**	-	<0.1	-	<1	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**2.3 - 2.5**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**10**	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**3.3 - 3.5**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**4.3 - 4.5**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**15**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230816^	**4.3 - 4.5**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	**1**	-	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	<4	-	<0.4	-	**26**	-	**22**	-	**430**	-	**0.3**	-	**12**	-	**100**	-	<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	-
322B	**0.5 - 0.7**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**1**	-	**8**	-	<0.1	-	<1	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	**1.5 - 1.7**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	**2**	-	**6**	-	<0.1	-	<1	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	**2 - 2.2**	**Fill**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**2**	-	**25**	-	<0.1	-	<1	-	**21**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	**3 - 3.2**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**6**	-	<1	-	<1	-	<0.1	-	<1	-	**39**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<1	<0.1	-	**0.1**	-	<0.1	-	**0.1**	<4	-	<0.4	-	**56**	-	**28**	-	**8**	-	<0.1	-	**65**	-	**38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	<1	<0.1	-	**0.2**	-	<0.1	-	**0.2**	<4	-	<0.4	-	**50**	-	**26**	-	**16**	-	<0.1	-	**56**	-	**46**	-	<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	-
322C	**1.2 - 1.4**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**1.5 - 1.7**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**2.5 - 2.7**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230816^	**2.5 - 2.7**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**3.3 - 3.5**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**4.8 - 5**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**4**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**5.8 - 6**	**Natural**	**16 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**7.8 - 8**	**Natural**	**16 Aug 2023**	**2**	**1.3**	-	<0.1	-	<0.1	-	**1.4**	<4	-	**1**	-	**1**	-	<1	-	**2**	-	<0.1	-	<1	-	**8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322D	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	<1	**0.3**	-	<0.1	-	<0.1	-	**0.3**	<4	-	<0.4	-	**43**	-	**24**	-	**380**	-	**1.0**	-	**10**	-	**75**	-	<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	-
322D	**0.7 - 0.9**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**5**	-	<1	-	**3**	-	<0.1	-	<1	-	**6**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-
322D	**1.7 - 1.9**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**1**	-	**19**	-	<0.1	-	<1	-	**22**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322D	**2.2 - 2.4**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	**2**	-	**1**	-	<0.1	-	<1	-	**7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322D	**2.6 - 2.8**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**1**	-	**22**	-	<0.1	-	<1	-	**18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	**0.2 - 0.4**	**Fill**	**24 Aug 2023**	<1	**0.4**	-	<0.1	-	<0.1	-	**0.4**	<4	-	**0.5**	-	**22**	-	**47**	-	**150**	-	**3.9**	-	**11**	-	**45**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
323	**0.7 - 0.9**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	-	<0.1	-
323	**2.1 - 2.3**	**Fill**	**24 Aug 2023**	<1	**0.4**	-	<0.1	-	<0.1	-	**0.4**	<4	-	<0.4	-	**3**	-	**2**	-	**10**	-	**0.3**	-	**2**	-	**12**	-	<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	-
323	**2.5 - 2.7**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	**1**	-	**10**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230824*	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230824*	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
324	**0.15 - 0.25**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	**1**	-	**16**	-	**68**	-	**110**	-	**80**	-	**13**	-	**190**	-	<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	-
324	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**1**	-	**3**	-	**4.4**	-	**1**	-	**41**	-	<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	-
324	**1.8 - 2**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-
BD2/20230821*	**1.8 - 2**	**Natural**	**21 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	-	-	-	-	-	-	-	<0.1	<0.05	<0.05	-	-	<0.05	-	<0.05	-
325	**0.2 - 0.4**	**Fill**	**21 Aug 2023**	<1	**0.1**	-	**0.2**	-	**1**	-	**6.9**	<4	-	**0.9**	-	**13**	-	**50**	-	**100**	-	**0.7**	-	**12**	-	**110**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
325	**0.8 - 1**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
325	**3.8 - 4**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
325	**4.8 - 5**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**10**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230821^	**4.8 - 5**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
325	**6.8 - 7**	**Natural**	**21 Aug 2023**	<1	**0.3**	-	<0.1	-	<0.1	-	**0.3**	<4	-	<0.4	-	**3**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**0.15 - 0.25**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	**0.2**	-	**0.4**	<4	-	**1**	-	**17**	-	**42**	-	**180**	-	**1.5**	-	**12**	-	**200**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	-	<0.1	<0.2
326	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**14**	-	**11**	-	**0.2**	-	<1	-	**160**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
326	**1 - 1.2**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**4**	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
326	**3.3 - 3.5**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**6**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**3.8 - 4**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**4.3 - 4.5**	**Natural**	**21 Aug 2023**	**8**	**4.4**	-	<0.1	-	<0.1	-	**4.4**	<4	-	<0.4	-	**3**	-	<1	-	**4**	-	**0.2**	-	**1**	-	**7**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**4.8 - 5**	**Natural**	**21 Aug 2023**	**7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**5.3 - 5.5**	**Natural**	**21 Aug 2023**	**10**	**6.3**	-	<0.1	-	<0.1	-	**6.3**	<4	-	<0.4	-	**2**	-	<1	-	**5**	-	<0.1	-	<1	-	**8**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**5.8 - 6**	**Natural**	**21 Aug 2023**	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**6.3 - 6.5**	**Natural**	**21 Aug 2023**	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**6.8 - 7**	**Natural**	**21 Aug 2023**	**1**	**0.4**	-	<0.1	-	<0.1	-	**0.4**	<4	-	<0.4	-	**10**	-	<1	-	**3**	-	<0.1	-	<1	-	**5**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**7.3 - 7.5**	**Natural**	**21 Aug 2023**	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**7.8 - 8**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**8.3 - 8.5**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**8.8 - 9**	**Natural**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327	**0.2 - 0.4**	**Fill**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	**0.5**	-	**17**	-	**160**	-	**150**	-	**3.0**	-	**21**	-	**240**	-	<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	-
327	**0.5 - 0.7**	**Fill**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**6**	-	<1	-	**3**	-	<0.1	-	**1**	-	**16**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-
327	**1.8 - 2**	**Natural**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	**1**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327	**4.8 - 5**	**Natural**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327	**5.8 - 6**	**Natural**	**18 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230818*	**5.8 - 6**	**Natural**	**18 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327	**6.8 - 7**	**Natural**	**18 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**1**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				PAH								Metals															Phenolics	PCB								OCP								
				Naphthalene (as VOC)	Naphthalene (asPAH)	Naphthalene (as PAH)- ASLP	Phenanthrene	Phenanthrene - ASLP	Pyrene	Pyrene - ASLP	PAHs (Sum of positives)	Arsenic	Arsenic - ASLP	Cadmium	Cadmium - ASLP	Chromium	Chromium - ASLP	Copper	Copper - ASLP	Lead	Lead - ASLP	Mercury	Mercury - ASLP	Nickel	Nickel - ASLP	Zinc	Zinc - ASLP	Phenolics Total	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Aldrin	Dieldrin	Aldrin - ASLP	Dieldrin - ASLP	a-BHC	a-BHC - ASLP	b-BHC	b-BHC - ASLP
				mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	4	1	0.4	0.1	1	1	1	1	1	0.1	0.05	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2
NEPC(2013) HILs for Comm/Ind D, Soil				11000	11000						4,000	3,000		900		3,600		240,000		1,500		730		6,000		400,000		240,000							7		45						
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				NL	NL																																					
NEPC (2013) Management Limits Comm/Ind, Sand																																											
VMP, Allnex (2020)																																											
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5									23,000																																		
Sample ID	**Sample Depth**	**Matrix**	**Date**																																									
328	**0.1 - 0.3**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**4**	**2**	**1**	**0.2**	**94**	**9**	**230**	**26**	**1,600**	**320**	**12**	**3**	**16**	<1	**1,700**	**170**	<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	-
328	**0.4 - 0.6**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	<1	<0.4	<0.1	**14**	**27**	**7**	**13**	**510**	**620**	**5.2**	**7.5**	<1	<1	**40**	**85**	<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	-
328	**0.8 - 1**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**12**	-	**5**	-	**150**	-	**4.7**	-	<1	-	**28**	-	<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	-
328	**1.3 - 1.5**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**18**	-	**11**	-	**96**	-	**1.6**	-	<1	-	**45**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328	**2.8 - 3**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**6**	-	**0.2**	-	<1	-	**28**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**0.1 - 0.3**	**Fill**	**21 Aug 2023**	<1	**0.1**	-	<0.1	-	<0.1	-	**0.1**	<4	**2**	**2**	**0.4**	**130**	**39**	**480**	**160**	**2,300**	**400**	**26**	**10**	**13**	**4**	**2,300**	**160**	<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	-
328A	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**10**	-	**19**	-	**340**	-	**2.5**	-	<1	-	**20**	-	<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	-
328A	**1.5 - 1.7**	**Fill**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**18**	-	**21**	-	**170**	-	**5.5**	-	<1	-	**38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**2.4 - 2.6**	**Fill**	**21 Aug 2023**	**2**	**0.7**	-	<0.1	-	<0.1	-	**0.72**	<4	-	<0.4	-	**20**	-	**4**	-	**36**	-	**1.1**	-	<1	-	**29**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**3.3 - 3.5**	**Fill**	**21 Aug 2023**	<1	**0.1**	-	<0.1	-	<0.1	-	**0.1**	<4	-	<0.4	-	**23**	-	<1	-	**4**	-	<0.1	-	**2**	-	**15**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**3.8 - 4**	**Fill**	**21 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**4.1 - 4.3**	**Natural**	**21 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**7**	-	<1	-	**3**	-	<0.1	-	**1**	-	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**0.1 - 0.3**	**Fill**	**24 Aug 2023**	<1	**0.2**	-	**0.1**	-	**0.3**	-	**2.2**	<4	**1**	**0.7**	**0.1**	**72**	**13**	**91**	**38**	**2,300**	**280**	**5.8**	**2**	**6**	<1	**890**	**580**	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
328B	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	**2**	<0.4	<0.1	**6**	**7**	**6**	**7**	**32**	**27**	**1.0**	**1.2**	<1	<1	**38**	**66**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**1.5 - 1.7**	**Fill**	**24 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**2.7 - 2.9**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	**0.2**	-	**1.6**	**16**	**46**	**0.4**	**0.3**	**91**	**8**	**37**	**14**	**180**	**10**	**0.5**	**0.1**	**5**	**4**	**190**	**200**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**3.1 - 3.3**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**11**	-	**0.1**	-	<1	-	**7**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**3.5 - 3.6**	**Fill**	**24 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**4.8 - 5**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**3**	-	<0.1	-	**1**	-	**17**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**7.8 - 8**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**22**	-	**11**	-	**110**	-	**0.7**	-	**2**	-	**150**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230824*	**7.8 - 8**	**Natural**	**24 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	**3**	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**0.1 - 0.3**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**12**	**3**	**15**	**0.4**	**190**	**59**	**1,800**	**35**	**5,700**	**300**	**19**	**1.8**	**89**	**2**	**25,000**	**310**	<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	-
328C	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	<1	<0.4	**0.2**	**12**	**8**	**22**	**22**	**3,200**	**1,200**	**3.2**	**4**	**1**	<1	**69**	**140**	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
328C	**1.5 - 1.7**	**Fill**	**24 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**2.6 - 2.8**	**Fill**	**24 Aug 2023**	<1	<0.1	-	**0.2**	-	**0.4**	-	**2.4**	**84**	**4**	**1**	**0.2**	**120**	**8**	**120**	**4**	**230**	**19**	**1.5**	**0.05**	**25**	**3**	**970**	**660**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**3.2 - 3.4**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**15**	-	<1	-	**3**	-	<0.1	-	**2**	-	**63**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**4.8 - 5**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**1**	-	<0.1	-	**1**	-	**37**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**6.8 - 7**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**4**	-	<0.1	-	<1	-	**7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**7.8 - 8**	**Natural**	**24 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230824*	**7.8 - 8**	**Natural**	**24 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	**0.25 - 0.35**	**Fill**	**11 Aug 2023**	<1	**0.3**	-	<0.1	-	<0.1	-	**1.8**	<4	-	**14**	-	**510**	**48**	**1,200**	-	**3,800**	**210**	**150**	**87**	**41**	-	**830**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
328D	**0.5 - 0.7**	**Fill**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	**0.1**	**9**	-	**4**	-	**140**	**19**	**79**	-	**150**	**8**	**7.2**	**4.4**	**4**	-	**320**	-	<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	-
328D	**1.5 - 1.7**	**Fill**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	**0.6**	-	**20**	-	**5**	-	**36**	-	**1.8**	-	<1	-	**15**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	**2.4 - 2.6**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**7**	-	<1	-	**1**	-	<0.1	-	**1**	-	**11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	**3 - 3.2**	**Natural**	**11 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**6**	-	<1	-	**1**	-	<0.1	-	**1**	-	**9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**0 - 0.1**	**Fill**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329/PACM1	**Surface**	**Material**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<1	**0.6**	-	**1.8**	-	**1.8**	-	**11**	<4	-	**0.7**	-	**77**	-	**37**	-	**410**	-	**22**	0.6	**10**	-	**190**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
329	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	<1	**0.4**	-	**0.2**	-	**0.2**	-	**2.0**	**4**	-	**3**	-	**300**	**40**	**190**	-	**4,800**	**120**	**18**	**1.5**	**10**	-	**510**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**1 - 1.2**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	<4	-	**0.6**	-	**230**	-	**20**	-	**1,000**	-	**0.6**	-	**4**	-	**140**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**1.3 - 1.5**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	**0.1**	<4	-	<0.4	-	**47**	-	**24**	-	**450**	**56**	**0.3**	-	**3**	-	**86**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
329	**2.3 - 2.5**	**Fill**	**14 Aug 2023**	<1	**0.1**	-	<0.1	-	<0.1	-	**0.1**	<4	-	<0.4	-	**91**	-	**22**	-	**160**	-	**0.6**	-	**4**	-	**87**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**2.8 - 3**	**Fill**	**14 Aug 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	**8**	-	**17**	-	**140**	-	**8**	-	**49**	-	**0.7**	-	**5**	-	**330**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**3.8 - 4**	**Natural**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**30**	-	**3**	-	**57**	-	**0.5**	-	**1**	-	**18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**4.1 - 4.3**	**Natural**	**14 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**4.6 - 4.8**	**Natural**	**14 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**5 - 5.2**	**Natural**	**14 Aug 2023**	**15**	**11**	-	<0.1	-	<0.1	-	**11**	<4	-	<0.4	-	**23**	-	<1	-	**2**	-	**0.2**	-	**1**	-	**9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**5.5 - 5.7**	**Natural**	**14 Aug 2023**	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**6 - 6.2**	**Natural**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**7**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**6.5 - 6.7**	**Natural**	**14 Aug 2023**	<1	**1.2**	-	**0.3**	-	**0.4**	-	**3.7**	<4	-	<0.4	-	**7**	-	<1	-	**1**	-	<0.1	-	<1	-	**5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**6.8 - 7**	**Natural**	**14 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<1	**1.6**	-	**0.7**	-	**0.3**	-	**4.4**	**5**	-	**4.5**	-	**200**	**37**	**96**	-	**1,200**	**49**	**15**	**0.9**	**16**	-	**640**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
329A	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	<1	**0.2**	-	<0.1	-	**0.3**	-	**2.1**	<4	-	**1**	-	**140**	-	**68**	-	**870**	-	**10**	-	**8**	-	**280**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**1.3 - 1.5**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**23**	-	**49**	-	**210**	**18**	**36**	**12**	**14**	-	**120**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
329A	**1.8 - 2**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**63**	-	**14**	-	**420**	-	**2.6**	-	**6**	-	**98**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**2.8 - 3**	**Natural**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**20**	-	**13**	-	**66**	-	<0.1	-	**4**	-	**56**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**3.3 - 3.5**	**Natural**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**4**	-	**38**	-	<0.1	-	**1**	-	**44**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**3.8 - 4**	**Natural**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**0.1 - 0.2**	**Fill**	**14 Aug 2023**	<1	**0.1**	-	**0.7**	-	**2.6**	-	**18**	<4	-	<0.4	-	**99**	-	**24**	-	**100**	-	**0.6**	-	**9**	-	**76**	-	<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	-
329B	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	**2**	**1.4**	-	**0.2**	-	**0.3**	-	**3.7**	**5**	-	**2**	-	**230**	**110**	**69**	-	**1,200**	**57**	**11**	**82**	**13**	-	**510**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**1.5 - 1.6**	**Fill**	**14 Aug 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	<4	-	**7.4**	-	**31**	-	**18**	-	**150**	**19**	**16**	**140**	**5**	-	**140**	-	<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	-
329B	**2 - 2.2**	**Fill**	**14 Aug 2023**	<1	**1.0**	-	**0.2**	-	**0.3**	-	**2.8**	<4	-	<0.4	-	**46**	-	**5**	-	**220**	-	**2.0**	-	**4**	-	**72**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**2.5 - 2.7**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**3.5 - 3.7**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**2**	-	**9**	-	**0.3**	-	**1**	-	**14**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
329B	**4.3 - 4.5**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	**0.1**	-	**0.4**	**29**	-	**1**	-	**39**	-	**15**	-	**30**	-	**1.2**	-	**9**	-	**140**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**5 - 5.1**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	**0.1**	-	**0.2**	**45**	-	<0.4	-	**9**	-	**11**	-	**28**	-	**1.1**	-	**2**	-	**65**	-	<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	-
329B	**5.2 - 5.4**	**Natural**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**11**	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**15**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**6.8 - 7**	**Natural**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**22**	-	<0.4	-	**59**	-	**2**	-	**4**	-	<0.1	-	**1**	-	**48**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**0.1 - 0.2**	**Fill**	**15 Aug 2023**	<1	**1.2**	-	<0.1	-	<0.1	-	**1.2**	<4	-	**0.6**	-	**61**	-	**27**	-	**320**	-	**3.8**	-	**11**	-	**120**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**0.5 - 0.7**	**Fill**	**15 Aug 2023**	<1	**1**	-	**0.2**	-	**0.4**	-	**3.4**	<4	-	**2**	-	**190**	**72**	**86**	-	**1,400**	**150**	**13**	**84**	**11**	-	**580**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C/PACM2	**1**	**Material**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**1.5 - 1.7**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	**0.09**	<4	-	<0.4	-	**12**	-	**8**	-	**40**	-	**0.4**	-	**2**	-	**71**	-	<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	-
329C	**2.3 - 2.5**	**Fill**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**3**	-	<0.1	-	<1	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**3.3 - 3.5**	**Fill**	**15 Aug 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	**5**	-	<0.4	-	**34**	-	**59**	-	**240**	-	**1.3**	-	**5**	-	**97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**4.1 - 4.3**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**3**	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**4.6 - 4.8**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**23**	-	<0.4	-	**12**	-	<1	-	**3**	-	<0.1	-	<1	-	**47**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**5.1 - 5.3**	**Natural**	**15 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**5.6 - 5.8**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**12**	-	<0.4	-	**3**	-	**1**	-	**5**	-	**0.2**	-	**1**	-	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**6.8 - 7**	**Natural**	**15 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**6**	-	<1	-	<1	-	<0.1	-	<1	-	**8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<1	**0.9**	-	**0.2**	-	**0.3**	-	**2.3**	<4	-	**2**	-	**200**	**34**	**57**	-	**1,000**	**65**	**12**	**0.55**	**18**	-	**290**	-	<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	-
329D	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	**0.2**	-	**0.3**	<4	-	<0.4	-	**92**	-	**35**	-	**200**	-	**5.8**	**0.3**	**70**	-	**170**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**0.9 - 1.1**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**61**	-	**24**	-	**360**	-	**0.7**	-	**3**	-	**75**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**1.9 - 2.1**	**Fill**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**6**	-	**3**	-	**25**	-	**0.2**	-	**2**	-	**80**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
329D	**2.4 - 2.6**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**2.9 - 3.1**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**3.4 - 3.6**	**Natural**	**14 Aug 2023**	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**4 - 4.2**	**Natural**	**14 Aug 2023**	**6**	**6.2**	-	<0.1	-	<0.1	-	**6.2**	**11**	-	<0.4	-	**11**	-	<1	-	**5**	-	<0.1	-	<1	-	**220**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**4.5 - 4.7**	**Natural**	**14 Aug 2023**	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**5 - 5.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**5.5 - 5.7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Proposed Industrial Development
49-61 Stephen Road, Banksmeadow

219609.01.R.001

Table J1: Summary of Soil Laboratory Results

				PAH								Metals														Phenolics	PCB								OCP							
				Naphthalene (as VOC)	Naphthalene (asPAH)	Naphthalene (as PAH)- ASLP	Phenanthrene	Phenanthrene - ASLP	Pyrene	Pyrene - ASLP	PAHs (Sum of positives)	Arsenic	Arsenic - ASLP	Cadmium	Cadmium - ASLP	Chromium	Chromium - ASLP	Copper	Copper - ASLP	Lead	Lead - ASLP	Mercury	Mercury - ASLP	Nickel	Nickel - ASLP	Zinc	Zinc - ASLP	Phenolics Total	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Aldrin	Dieldrin	Aldrin - ASLP	Dieldrin - ASLP	a-BHC	a-BHC - ASLP	b-BHC	b-BHC - ASLP
				mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	4	1	0.4	0.1	1	1	1	1	1	1	0.1	0.05	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2
NEPC(2013) HILs for Comm/Ind D, Soil				11000	11000						4,000	3,000		900		3,600		240,000		1,500		730		6,000		400,000		240,000								7		45						
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				NL	NL																																					
NEPC (2013) Management Limits Comm/Ind, Sand																																											
VMP, Allnex (2020)																																											
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5									23,000																															3.6		13	
Sample ID	**Sample Depth**	**Matrix**	**Date**																																								
329D	**6 - 6.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**6.5 - 6.7**	**Natural**	**14 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**6.9 - 7**	**Natural**	**14 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**26**	-	<1	-	**2**	-	<0.1	-	<1	-	**8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
330	**0.1 - 0.3**	**Fill**	**15 Aug 2023**	<1	**0.3**	-	**0.2**	-	**0.3**	-	**2.2**	**6**	-	**3**	-	**120**	-	**180**	-	**430**	-	**7.2**	-	**36**	-	**530**	-	<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	-
330	**1 - 1.2**	**Fill**	**15 Aug 2023**	<1	**0.6**	-	**0.3**	-	**0.5**	-	**3.3**	**5**	-	**1**	-	**210**	**29**	**140**	-	**1,200**	**27**	**50**	**0.4**	**16**	-	**920**	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	-	<0.1	-
330	**2 - 2.2**	**Fill**	**15 Aug 2023**	<1	**0.6**	-	**0.2**	-	**0.4**	-	**2.8**	**4**	-	**0.7**	-	**89**	**58**	**100**	-	**670**	**33**	**27**	**0.2**	**32**	-	**360**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
331	**0.1 - 0.3**	**Fill**	**28 Aug 2023**	<1	**0.3**	-	**0.1**	-	**0.2**	-	**2.0**	<4	**2**	**0.9**	**0.1**	**110**	**9**	**34**	**4**	**960**	**30**	**10**	**0.5**	**6**	<1	**200**	**22**	<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	-
331	**1 - 1.2**	**Fill**	**28 Aug 2023**	<1	**0.4**	-	**0.3**	-	**0.6**	-	**4.2**	**4**	**2**	**1**	**0.2**	**290**	**42**	**86**	**17**	**1,000**	**200**	**23**	**1.5**	**20**	**3**	**540**	**64**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**2.5 - 2.7**	**Fill**	**28 Aug 2023**	**6**	**5.7**	-	**14**	-	**1.3**	-	**21**	<4	**3**	**2**	**0.4**	**55**	**3**	**46**	**6**	**460**	**26**	**5.2**	**3.5**	**120**	**32**	**3,800**	**59**	<5	<1	<1	<1	<1	<1	<1	<1	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-
331	**3 - 3.2**	**Fill**	**28 Aug 2023**	**8**	**5.3**	<0.1	**0.5**	<0.1	<0.1	<0.1	**6.1**	<4	**4**	**2**	**0.5**	**510**	**29**	**33**	**20**	**2,900**	**240**	**38**	**1.6**	**15**	**6**	**740**	**130**	-	<1	<1	<1	<1	<1	<1	<1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
331	**3.9 - 4.1**	**Fill**	**28 Aug 2023**	**5**	**11**	-	<0.1	-	<0.2	-	**11**	<4	<1	**2**	**0.8**	**36**	**3**	**57**	**7**	**140**	**9**	**3.5**	**0.4**	**3**	**1**	**510**	**450**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**4.8 - 5**	**Fill**	**28 Aug 2023**	**16**	**16**	**48**	**0.1**	<0.1	<0.1	<0.1	**16**	<4	-	<0.4	-	**4**	-	**8**	-	**31**	-	**5.8**	-	<1	-	**400**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	**0.1**	**0.3**	<0.1	<0.2
331	**5.2 - 5.4**	**Fill**	**28 Aug 2023**	**23**	**25**	<0.1	**0.1**	<0.1	<0.1	<0.1	**25**	<4	**3**	<0.4	<0.1	**5**	**1**	**14**	**2**	**37**	**3**	**3.4**	**0.09**	**2**	<1	**510**	**170**	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.2	<0.2	**0.4**	<0.2	<0.1	<0.2
331	**5.7 - 5.9**	**Fill**	**28 Aug 2023**	**32**	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**6.3 - 6.5**	**Natural**	**28 Aug 2023**	**4**	**2.6**	<0.1	<0.1	<0.1	<0.1	<0.1	**2.6**	<4	**13**	<0.4	<0.1	**5**	**2**	<1	<1	**15**	**4**	**0.3**	<0.05	<1	<1	**31**	**17**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**6.8 - 7**	**Natural**	**28 Aug 2023**	-	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**7.3 - 7.5**	**Natural**	**28 Aug 2023**	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**7.8 - 8**	**Natural**	**28 Aug 2023**	**2**	**1.3**	-	<0.1	-	<0.1	-	**1.3**	<4	-	<0.4	-	**3**	-	<1	-	**7**	-	**0.2**	-	<1	-	**16**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
331	**8.3 - 8.5**	**Natural**	**28 Aug 2023**	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	-	<0.1	-
331	**8.8 - 9**	**Natural**	**28 Aug 2023**	**6**	**4.3**	-	<0.1	-	<0.1	-	**4.3**	<4	-	<0.4	-	**18**	-	**2**	-	**88**	-	**2.1**	-	<1	-	**52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331 (Retest 1)	**8.8 - 9**	**Natural**	**28 Aug 2023**	**200**	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331 (Retest 2)	**8.8 - 9**	**Natural**	**28 Aug 2023**	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
332	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<1	**0.4**	-	**3.7**	-	**8.1**	-	**52**	<4	-	<0.4	-	**32**	-	**46**	-	**24**	-	**0.4**	-	**18**	-	**30**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<1	-	-	<1	-	<1	-
332	**1 - 1.2**	**Fill**	**29 Aug 2023**	<1	**1.2**	-	**0.3**	-	**0.5**	-	**3.9**	<4	**2**	**1**	**0.2**	**270**	**17**	**52**	**10**	**1,600**	**36**	**15**	**0.56**	**9**	<1	**300**	**24**	-	<1	<1	<1	<1	<1	<1	<1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2
333	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<1	**0.1**	-	**2.3**	-	**5.9**	-	**35**	**5**	-	<0.4	-	**41**	-	**49**	-	**46**	-	**0.7**	-	**26**	-	**59**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<1	-	-	<1	-	<1	-
333	**1 - 1.2**	**Fill**	**29 Aug 2023**	<1	**0.7**	-	**0.1**	-	**0.2**	-	**1.6**	<4	**3**	**2**	**0.1**	**180**	**14**	**68**	**6**	**1,000**	**76**	**20**	**0.86**	**12**	**1**	**380**	**23**	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	-	<0.1	-
333	**1.5 - 1.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	**5**	-	**0.4**	-	**78**	-	**44**	-	**350**	-	**33**	-	**7**	-	**180**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2 - 2.2**	**Fill**	**29 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	<1	<0.4	**0.1**	**2**	<1	**3**	<1	**140,000**	**31,000**	**0.8**	**0.08**	<1	**1**	**7**	**9**	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333 (Retest 1)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**110,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333 (Retest 2)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**53,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2.4 - 2.6**	**Fill**	**29 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	**4**	<0.4	**0.4**	**66**	**33**	**19**	**0.012**	**1,000**	**230**	**0.3**	**0.05**	**13**	**5**	**82**	**42**	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	-	<0.1	-
333	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	<1	**0.2**	-	<0.1	-	<0.1	-	**0.2**	**5**	**4**	<0.4	**1.3**	**130**	**35**	**25**	**0.004**	**620**	**370**	**0.7**	<0.05	**3**	**4**	**60**	**250**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	<4	**5**	<0.4	<0.1	**5**	**2**	**2**	<0.001	**36**	**2**	<0.1	<0.05	<1	<1	**2**	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**5.8 - 6**	**Natural**	**29 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	**5**	-	<0.4	-	**9**	-	**1**	-	**83**	-	**0.1**	-	<1	-	**120**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**7.3 - 7.5**	**Natural**	**29 Aug 2023**	<1	-	-	-	-	-	-	-	<4	**2**	<0.4	<0.1	<1	<1	<1	<0.001	**5**	**2**	<0.1	<0.05	<1	<1	**2**	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<1	**0.4**	-	**1.5**	-	**4.4**	-	**29**	<4	-	<0.4	-	**15**	-	**73**	-	**27**	-	**0.3**	-	**16**	-	**49**	-	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<1	-	-	<1	-	<1	-
334	**2 - 2.2**	**Fill**	**29 Aug 2023**	<1	<0.1	-	<0.1	-	**0.1**	-	**0.2**	**6**	-	**0.8**	-	**60**	-	**1,900**	-	**390**	-	**47**	-	**24**	-	**640**	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	-	<0.1	-
334	**2.5 - 2.7**	**Fill**	**29 Aug 2023**	**1**	**1.2**	<0.1	**1.1**	<0.1	**1.7**	<0.1	**11**	<4	-	<0.4	-	**11**	-	**19**	-	**79**	-	**28**	-	**10**	-	**110**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**3 - 3.2**	**Fill**	**29 Aug 2023**	<1	**0.5**	-	**0.1**	-	**0.1**	-	**1.0**	**8**	**4**	<0.4	<0.1	**300**	**40**	**37**	**0.007**	**1,300**	**240**	**1.6**	**0.06**	**14**	**7**	**170**	**45**	<5	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	-	<0.1	-
334	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	**18**	**17**	**1.7**	**1.1**	<0.1	**0.6**	<0.1	**22**	<4	**11**	<0.4	<0.1	**41**	**4**	**31**	**20**	**290**	**30**	**0.6**	**0.1**	**3**	**1**	**61**	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**6 - 6.2**	**Natural**	**29 Aug 2023**	<1	**0.3**	<0.1	<0.1	<0.1	<0.1	<0.1	**0.3**	<4	**3**	<0.4	<0.1	**44**	**8**	**2**	<1	**240**	**39**	**0.2**	<0.05	<1	<1	**16**	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**6.8 - 7**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	<4	-	<0.4	-	**11**	-	<1	-	**59**	-	<0.1	-	<1	-	**4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**7.3 - 7.5**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	<4	-	<0.4	-	**52**	-	**2**	-	**280**	-	**0.3**	-	<1	-	**17**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**0.2 - 0.4**	**Fill**	**24 Aug 2023**	<1	<0.1	-	**0.2**	-	**0.9**	-	**5.4**	<4	-	<0.4	-	**2**	-	**21**	-	**13**	-	**0.2**	-	**4**	-	**15**	-	<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	-
335	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**3**	-	<0.1	-	<1	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**1.1 - 1.3**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**9**	-	<0.1	-	<1	-	**6**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**1**	-	<0.1	-	<1	-	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD5/20230824*	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	**2**	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD6/20230824^	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**5.7 - 5.9**	**Natural**	**24 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**0.2 - 0.3**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	**0.8**	-	**17**	-	**13**	-	**150**	-	**0.1**	-	**3**	-	**100**	-	<5	-	-	-	-	-	-	-	**1.7**	<0.1	<0.1	-	-	<0.1	-	<0.1	-
336	**0.4 - 0.5**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**4**	-	<0.1	-	<1	-	**4**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**	<0.1	**0.1**	-	-	-	-	-	-	-	-
336	**0.6 - 0.7**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	<1	-	**2**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**1.1 - 1.2**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**7**	-	<0.1	-	<1	-	**8**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**1.4 - 1.5**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**3**	-	<0.1	-	<1	-	**5**	-	<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	-
336	**2.4 - 2.6**	**Fill**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	**1**	-	**4**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**2.7 - 2.9**	**Natural**	**24 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	**1**	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**12**	-	**15**	-	**88**	-	<0.1	-	**20**	-	**32**	-	<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	-
337	**0.5 - 0.7**	**Fill**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**1.5 - 1.7**	**Fill**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	**2**	-	**8**	-	<0.1	-	<1	-	**4**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**2.4 - 2.6**	**Natural**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	<1	-	**2**	-	<0.1	-	**1**	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**4.8 - 5**	**Natural**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**1**	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**6.8 - 7**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230825*	**6.8 - 7**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**7.8 - 8**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230825^	**7.8 - 8**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**5**	-	<0.1	-	<1	-	**3**	-	<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	-
338	**1 - 1.2**	**Fill**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**4**	-	<0.1	-	<1	-	**3**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**2.1 - 2.3**	**Natural**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	**1**	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**4.8 - 5**	**Natural**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**5.8 - 6**	**Natural**	**25 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	<1	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**6.8 - 7**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**7.8 - 8**	**Natural**	**25 Aug 2023**	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338 (Retest 1)~	**7.8 - 8**	**Natural**	**25 Aug 2023**	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338 (Retest 2)	**7.8 - 8**	**Natural**	**25 Aug 2023**	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230825*	**7.8 - 8**	**Natural**	**25 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**0.2 - 0.4**	**Fill**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	**18**	-	**4**	-	<0.1	-	**3**	-	**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	-
339	**1 - 1.2**	**Fill**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**4**	-	<1	-	**2**	-	<0.1	-	**2**	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**1.6 - 1.8**	**Natural**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**2.8 - 3**	**Natural**	**28 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**4.8 - 5**	**Natural**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230828^	**4.8 - 5**	**Natural**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**5.8 - 6**	**Natural**	**28 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**7.8 - 8**	**Natural**	**28 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230828*	**7.8 - 8**	**Natural**	**28 Aug 2023**	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340	**0.3 - 0.5**	**Fill**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**3**	-	**28**	-	**3**	-	<0.1	-	**4**	-	**4**	-	<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	-
340	**0.8 - 1**	**Fill**	**28 Aug 2023**	<1	<0.1	-	**0.1**	-	<0.1	-	**0.1**	<4	-	<0.4	-	**4**	-	**11**	-	**7**	-	<0.1	-	**23**	-	**7**	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340	**1.1 - 1.3**	**Fill**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	**2**	-	<0.1	-	<1	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				PAH							Metals																Phenolics Total	PCB								OCP								
				Naphthalene (as VOC)	Naphthalene (asPAH)	Naphthalene (as PAH)- ASLP	Phenanthrene	Phenanthrene - ASLP	Pyrene	Pyrene - ASLP	PAHs (Sum of positives)	Arsenic	Arsenic - ASLP	Cadmium	Cadmium - ASLP	Chromium	Chromium - ASLP	Copper	Copper - ASLP	Lead	Lead - ASLP	Mercury	Mercury - ASLP	Nickel	Nickel - ASLP	Zinc	Zinc - ASLP		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Aldrin	Dieldrin	Aldrin - ASLP	Dieldrin - ASLP	a-BHC	a-BHC - ASLP	b-BHC	b-BHC - ASLP
				mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	4	1	0.4	0.1	1	1	1	1	1	1	0.1	0.05	1	1	1	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2
NEPC(2013) HILs for Comm/Ind D, Soil				11000	11000						4,000	3,000		900		3,600		240,000		1,500		730		6,000		400,000		240,000								7		45						
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m				NL	NL																																						
NEPC (2013) Management Limits Comm/Ind, Sand																																											
VMP, Allnex (2020)																																											
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5									23,000																																3.6		13	
Sample ID	**Sample Depth**	**Matrix**	**Date**																																									
340	**2.8 - 3**	**Fill**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	<1	-	<1	-	<1	-	<0.1	-	<1	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340	**3.6 - 3.8**	**Natural**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**1**	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**0.2 - 0.4**	**Fill**	**28 Aug 2023**	<1	**0.4**	-	**0.2**	-	**1.2**	-	**1.2**	<4	<1	**1**	**0.2**	**420**	**89**	**58**	**5**	**1,000**	**170**	**6.7**	**0.82**	**63**	**1**	**220**	**30**	<5	<1	<1	<1	<1	<1	<1	<1	**0.2**	<0.1	<0.1	-	-	<0.1	-	<0.1	-
341	**0.7 - 0.9**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	<4	-	<0.4	-	**170**	-	**40**	-	**320**	-	**2.1**	-	**89**	-	**99**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**1.2 - 1.4**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	<4	-	<0.4	-	**5**	-	**3**	-	**36**	-	<0.1	-	<1	-	**14**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**1.7 - 1.9**	**Fill**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**10**	-	**24**	-	**8**	-	<0.1	-	**1**	-	**9**	-	-	<10	<10	<10	<10	<10	<10	<10	**7.0**	<0.1	<0.1	-	-	<0.1	-	<0.1	-
341	**3.2 - 3.4**	**Natural**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**2**	-	<1	-	**2**	-	<0.1	-	**1**	-	**3**	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-
341	**5.8 - 6**	**Natural**	**28 Aug 2023**	<1	<0.1	-	<0.1	-	<0.1	-	<0.05	<4	-	<0.4	-	**1**	-	<1	-	<1	-	<0.1	-	<1	-	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230828*	**5.8 - 6**	**Natural**	**28 Aug 2023**	<1	<0.5	-	<0.5	-	<0.5	-	<0.5	<5	-	<1	-	<2	-	<5	-	<5	-	<0.1	-	<2	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT101	**0.15 - 0.25**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT102	**0.13 - 0.2**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT103	**0.03 - 0.1**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT104	**0.18 - 0.25**	**Fill**	**01 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT105	**0.15 - 0.25**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT106	**0.15 - 0.25**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT107	**0.16 - 0.25**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT108	**0.2 - 0.3**	**Fill**	**01 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT109	**0.17 - 0.3**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT110	**0.17 - 0.3**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT111	**0.15 - 0.25**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT112	**0.17 - 0.3**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT113	**0.15 - 0.25**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT114	**0.2 - 0.3**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT115	**0.15 - 0.25**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT116	**0.09 - 0.2**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT117	**0.17 - 0.3**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT118	**0.15 - 0.25**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT119	**0.16 - 0.25**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT120	**0.13 - 0.25**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

^ : Intra-laboratory replicate listed directly below the primary.

* : Inter-laboratory replicate listed directly below the primary.

LRL : Laboratory reporting limit.

SAC : Refer to Appendix H for additional SAC informatic

: Criteria in line also includes NEMP (2020) PFAS and CRC Care (2011) direct contact criteria.

~ : Retest of sample 33/7.8-8 also included analysis of other analytes.

- Sample depth relative to current site levels.

Table J1: Summary of Soil Laboratory Results

				OCP																																OPP		PFAS					
				Chlordane (cis)	Chlordane (trans)	Chlordane (cis) - ASLP	Chlordane (trans) - ASLP	d-BHC	d-BHC - ASLP	4,4-DDE	4,4-DDE - ASLP	DDD	DDD - ASLP	DDT	DDT - ASLP	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endosulfan I - ASLP	Endosulfan II - ASLP	Endosulfan sulphate - ASLP	Endrin	Endrin - ASLP	Endrin aldehyde	Endrin aldehyde - ASLP	g-BHC (Lindane)	g-BHC (Lindane) - ASLP	Heptachlor	Heptachlor - ASLP	Heptachlor epoxide	Heptachlor epoxide - ASLP	Hexachlorobenzene	Hexachlorobenzene - ASLP	Methoxychlor	Methoxychlor - ASLP	Mirex	Chlorpyrifos	Toal OPP	PFHxS and PFOS	PFHxS and PFOS - ASLP	PFOS + PFOA	PFOS + PFOA - ALSP	Sum of PFAS	Sum of PFAS - ASLP
				mg/kg	mg/kg	µg/L	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	µg/L	µg/L	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	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.05	0.05	0.05	0.05	0.2	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.1	0.1	LRL	0.0001	0.01	0.0001	0.01	0.0001	0.01
NEPC(2013) HILs for Comm/Ind D, Soil					530											3,600			2,000				100						50				80		2,500		100	2,000		20					
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																																													
NEPC (2013) Management Limits Comm/Ind, Sand																																													
VMP, Allnex (2020)																																													
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5										93									4,900								25				3.3													
Sample ID	**Sample Depth**	**Matrix**	**Date**																																										
201	**1.9 - 2**	**Fill**	**06 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
201	**12 - 12.3**	**Natural**	**06 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**0.15 - 0.25**	**Fill**	**01 Sep 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
202	**0.5 - 0.7**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230901^	**0.5 - 0.7**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**0.8 - 1**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230901^	**0.8 - 1**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**1.5 - 1.7**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230901^	**1.5 - 1.7**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**5.5 - 5.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**7.5 - 7.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**10.5 - 10.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**18 - 18.45**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**19.5 - 19.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**0.25 - 0.35**	**Fill**	**05 Sep 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
203	**0.6 - 0.8**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230905*	**0.6 - 0.8**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**1.5 - 1.7**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230905*	**1.5 - 1.7**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**2 - 2.2**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230905*	**2 - 2.2**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**4 - 4.45**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**5 - 5.2**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230905^	**5 - 5.2**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**5.5 - 5.95**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**8 - 8.35**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**14 - 14.45**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**17 - 17.45**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**18.5 - 18.8**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**0.5 - 0.7**	**Fill**	**04 Sep 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
204	**1.5 - 1.7**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230904^	**1.5 - 1.7**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**2 - 2.2**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230904^	**2 - 2.2**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**4.5 - 4.7**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230904^	**4.5 - 4.7**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**5 - 5.2**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230904^	**5 - 5.2**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**8 - 8.38**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**17 - 17.45**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD5/20230904^	**17 - 17.45**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**20 - 20.4**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**9 - 9.3**	**Natural**	**07 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**10 - 10.45**	**Natural**	**07 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**13 - 13.45**	**Natural**	**07 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**17 - 17.45**	**Natural**	**07 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**0.15 - 0.25**	**Fill**	**08 Sep 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
206	**0.5 - 0.7**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230908^	**0.5 - 0.7**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**1.5 - 1.7**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230908^	**1.5 - 1.7**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**2 - 2.2**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230908^	**2 - 2.2**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**5 - 5.2**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230908^	**5 - 5.2**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**5.5 - 5.95**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**9.5 - 9.8**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**16.5 - 16.95**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**14 - 14.45**	**Natural**	**31 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**15 - 15.45**	**Natural**	**31 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**20 - 20.38**	**Natural**	**31 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**0.2 - 0.4**	**Fill**	**30 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
208	**1 - 1.45**	**Fill**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208/PACM3	**1.45**	**Material**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**1.5 - 1.7**	**Fill**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**2.3 - 2.5**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230830^	**2.3 - 2.5**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**5.5 - 5.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**7.5 - 7.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**8.5 - 8.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**13.5 - 13.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**15.5 - 15.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**0.5 - 0.7**	**Fill**	**11 Sep 2023**	<0.1	**0.2**	-	-	<0.1	-	**2.8**	-	**11**	-	**4.6**	-	**19**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
209	**1 - 1.45**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209/PACM4	**2**	**Material**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**2 - 2.2**	**Fill**	**11 Sep 2023**	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	**3.6**	**0.3**	**19**	**2**	**6.1**	**0.5**	**29**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	-	-	-	-
209	**2.5 - 2.9**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**3.5 - 3.7**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**4 - 4.45**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**5 - 5.2**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**5.5 - 5.95**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**6.5 - 6.95**	**Natural**	**11 Sep 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	**0.4**	-	<0.1	-	**0.4**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
209	**8 - 8.3**	**Natural**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**9 - 9.45**	**Natural**	**11 Sep 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	**0.4**	-	<0.1	-	**0.4**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
209	**11 - 11.3**	**Natural**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**15 - 15.2**	**Natural**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**0.5 - 0.7**	**Fill**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**2 - 2.2**	**Fill**	**12 Sep 2023**	<0.1	<0.1	-	-	<0.1	-	**0.7**	-	**3.5**	-	**0.5**	-	**4.8**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
210	**3.5 - 3.7**	**Fill**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**4 - 4.2**	**Fill**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

					OCP																														OPP		PFAS					
					Chlordane (cis)	Chlordane (trans)	Chlordane (cis) - ASLP	Chlordane (trans) - ASLP	d-BHC	d-BHC - ASLP	4,4-DDE	4,4-DDE - ASLP	DDD	DDD - ASLP	DDT	DDT - ASLP	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endosulfan I - ASLP	Endosulfan II - ASLP	Endosulfan sulphate - ASLP	Endrin	Endrin - ASLP	Endrin aldehyde	Endrin aldehyde - ASLP	g-BHC (Lindane)	g-BHC (Lindane) - ASLP	Heptachlor	Heptachlor - ASLP	Heptachlor epoxide	Heptachlor epoxide - ASLP	Hexachlorobenzene	Hexachlorobenzene - ASLP	Methoxychlor	Methoxychlor - ASLP	Mirex	Chlorpyrifos	Toal OPP	PFHxS and PFOS	PFHxS and PFOS - ASLP	PFOS + PFOA	PFOS + PFOA - ALSP	Sum of PFAS	Sum of PFAS - ASLP
					mg/kg	mg/kg	µg/L	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	µg/L	µg/L	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	mg/kg	µg/L	mg/kg	µg/L
LRL					0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.05	0.05	0.05	0.05	0.2	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.1	0.1	LRL	0.0001	0.01	0.0001	0.01	0.0001	0.01
NEPC(2013) HILs for Comm/Ind D, Soil						530											3,600		2,000					100						50				80		2,500		100	2,000		20					
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																																													
NEPC (2013) Management Limits Comm/Ind, Sand																																													
VMP, Allnex (2020)																																													
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5											93									4,900								25				3.3												
Sample ID	**Sample Depth**	**Matrix**	**Date**																																										
BD4/20230912^	**4 - 4.2**	**Fill**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**5.5 - 5.8**	**Fill**	**12 Sep 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**1.2**	<0.2	**2.7**	<0.2	**1.0**	<0.2	**4.9**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1			-	-	-	-	-	-
210	**5.8 - 5.95**	**Natural**	**12 Sep 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
210	**7 - 7.45**	**Natural**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**8.5 - 8.95**	**Natural**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**13.5 - 13.6**	**Natural**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301	**0.5 - 0.7**	**Fill**	**17 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
301	**1 - 1.2**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**0.8 - 1**	**Fill**	**17 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
302	**2.3 - 2.5**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**2.8 - 3**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**4.8 - 5**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230817*	**4.8 - 5**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**6.8 - 7**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**9.8 - 10**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**11.5 - 11.6**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	**0.0002**	-
303	**1.2 - 1.4**	**Fill**	**17 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
303	**1.7 - 1.9**	**Fill**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
303	**2.1 - 2.3**	**Fill**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	**2.6 - 2.8**	**Fill**	**17 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
303	**3 - 3.2**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	**4.8 - 5**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	**0.0001**	-
BD2/20230817*	**4.8 - 6**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**0.2 - 0.3**	**Fill**	**17 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
304	**0.3 - 0.5**	**Fill**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**1.7 - 1.9**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**2.8 - 3**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**3.8 - 4**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**4.3 - 4.5**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**4.8 - 5**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230817*	**4.8 - 5**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**5.3 - 5.5**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	**5.8 - 6**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**0.2 - 0.3**	**Fill**	**22 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
305	**1 - 1.2**	**Fill**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**2 - 2.2**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**3.8 - 4**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**4.8 - 5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230822*	**4.8 - 5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	**5.8 - 6**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306	**0.2 - 0.3**	**Fill**	**11 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
306	**0.8 - 1**	**Fill**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
306	**1.2 - 1.4**	**Fill**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306	**3.8 - 4**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
307	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
307	**1.5 - 1.7**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**1.9 - 2.1**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**4.8 - 5**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**5.8 - 6**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	**6.8 - 7**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230825^	**6.8 - 7**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**0.2 - 0.4**	**Fill**	**22 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	**0.0004**	-
308	**1 - 1.2**	**Fill**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**1.7 - 1.9**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
308	**4.8 - 5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0003**	**0.01**	**0.0003**	**0.01**	**0.0007**	**0.03**
308	**5.8 - 6**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**6.8 - 7**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
308	**9.8 - 10**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	**10.8 - 11**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
309	**0.5 - 0.7**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**0.9 - 1.1**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**1.2 - 1.4**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**1.8 - 2**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**2.8 - 3**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**4.8 - 5**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**5.8 - 6**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	**7.8 - 8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
310	**0.8 - 1**	**Fill**	**16 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
310	**1.6 - 1.8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**3.6 - 3.8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**4.6 - 4.8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**5.6 - 5.8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230816^	**5.6 - 5.8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**6.6 - 6.8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	**7.6 - 7.8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**0.2 - 0.3**	**Fill**	**10 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
311	**0.5 - 0.7**	**Fill**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
311	**2 - 2.2**	**Fill**	**10 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.1**	-	<0.1	-	<0.1	-	**0.1**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
311	**3.4 - 3.6**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
311	**4.4 - 4.6**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
311	**5.4 - 5.6**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
311	**6.4 - 6.6**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**7.4 - 7.6**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	**8.4 - 8.6**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
312	**0.15 - 0.25**	**Fill**	**23 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	**0.0002**	-	**0.0002**	-	**0.0002**	-
312/PACM3	**0.2**	**Material**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				OCP																																OPP		PFAS					
				Chlordane (cis)	Chlordane (trans)	Chlordane (cis) - ASLP	Chlordane (trans) - ASLP	d-BHC	d-BHC - ASLP	4,4-DDE	4,4-DDE - ASLP	DDD	DDD - ASLP	DDT	DDT - ASLP	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endosulfan I - ASLP	Endosulfan II - ASLP	Endosulfan sulphate - ASLP	Endrin	Endrin - ASLP	Endrin aldehyde	Endrin aldehyde - ASLP	g-BHC (Lindane)	g-BHC (Lindane) - ASLP	Heptachlor	Heptachlor - ASLP	Heptachlor epoxide	Heptachlor epoxide - ASLP	Hexachlorobenzene	Hexachlorobenzene - ASLP	Methoxychlor	Methoxychlor - ASLP	Mirex	Chlorpyrifos	Toal OPP	PFHxS and PFOS	PFHxS and PFOS - ASLP	PFOS + PFOA	PFOS + PFOA - ALSP	Sum of PFAS	Sum of PFAS - ASLP
				mg/kg	mg/kg	µg/L	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	µg/L	µg/L	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	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.05	0.05	0.05	0.05	0.2	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.1	0.1	LRL	0.0001	0.01	0.0001	0.01	0.0001	0.01
NEPC(2013) HILs for Comm/Ind D, Soil					530											3,600			2,000				100						50				80		2,500		100	2,000		20					
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																																												
NEPC (2013) Management Limits Comm/Ind, Sand																																												
VMP, Allnex (2020)																																												
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5										93									4,900								25				3.3													
Sample ID	**Sample Depth**	**Matrix**	**Date**																																										
312	**0.4 - 0.6**	**Fill**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**1.5 - 1.7**	**Fill**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
312	**1.8 - 2**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**3.8 - 4**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**4.8 - 5**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0011**	**0.02**	**0.0011**	**0.02**	**0.0011**	**0.02**
BD1/20230823^	**4.8 - 5**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0016**	-	**0.0016**	-	**0.0022**	-
312	**5.8 - 6**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	**6.8 - 7**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
312	**10.8 - 11**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
313	**0.4 - 0.5**	**Fill**	**23 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
313	**0.8 - 1**	**Fill**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
313	**1.4 - 1.6**	**Fill**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
313	**2.8 - 3**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**3.8 - 4**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**4.3 - 4.5**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**4.8 - 5**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**5.3 - 5.5**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
313	**5.8 - 6**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**6.3 - 6.5**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**6.8 - 7**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	**7.8 - 8**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	**0.0003**	-
313	**8.8 - 9**	**Natural**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**0.15 - 0.25**	**Fill**	**22 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
314	**0.6 - 0.8**	**Fill**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
314	**1.7 - 1.9**	**Fill**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**2 - 2.2**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
314	**4.8 - 5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**5.3 - 5.5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
314	**5.8 - 6**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**6.3 - 6.5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**6.8 - 7**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**7.3 - 7.5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	**7.8 - 8**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**0.2 - 0.3**	**Fill**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.011**	**0.34**	**0.011**	**0.32**	**0.012**	**0.35**
315	**0.8 - 1**	**Fill**	**11 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
315	**1.5 - 1.7**	**Fill**	**11 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
315	**2.8 - 3**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230811^	**2.8 - 3**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**3.8 - 4**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
315	**4.8 - 5**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
315	**5.3 - 5.5**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
315	**5.8 - 6**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
315	**6.3 - 6.5**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
315	**6.8 - 7**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	**7.8 - 8**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**0.2 - 0.4**	**Fill**	**22 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
316	**0.5 - 0.7**	**Fill**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**1.4 - 1.6**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**3.8 - 4**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**4.8 - 5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230822^	**4.8 - 5**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**5.8 - 6**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**6.8 - 7**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	**9.8 - 10**	**Natural**	**22 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**0.2 - 0.3**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
317	**1 - 1.2**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
317	**1.7 - 1.9**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**3.8 - 4**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**4.8 - 5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**5.8 - 6**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**6.8 - 7**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**7.8 - 8**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**8.8 - 9**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	**9.8 - 10**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**1 - 1.2**	**Fill**	**15 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
318	**1.5 - 1.7**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**2.5 - 2.7**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**3.5 - 3.7**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**4.5 - 4.7**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**4.8 - 5**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**5.8 - 6**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	**6.8 - 7**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**0.25 - 0.35**	**Fill**	**10 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	<0.0001	-	**0.0009**	-	**0.0030**	-
319	**0.5 - 0.7**	**Fill**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	<0.01	**0.0009**	**0.04**	**0.0061**	**0.32**
319	**1.1 - 1.3**	**Fill**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	**0.0005**	-	**0.0005**	-
319	**1.4 - 1.6**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
319	**2.8 - 3**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
319	**3.8 - 4**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230810^	**3.8 - 4**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**4.8 - 5**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0003**	<0.01	**0.0003**	<0.01	**0.0003**	<0.01
319	**5.8 - 6**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
319	**6.8 - 7**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	**7.8 - 8**	**Natural**	**10 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
320	**0.1 - 0.3**	**Fill**	**18 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**2.8**	**0.6**	**1.8**	**0.6**	**27**	**7.8**	**32**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	-	-	-	-	-
320	**0.4 - 0.6**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320A	**0.15 - 0.25**	**Fill**	**16 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	<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	<LRL	-	-	-	-	-	-
320A	**0.5 - 0.6**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320B	**0.2 - 0.4**	**Fill**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320B	**0.5 - 0.7**	**Fill**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

					OCP																														OPP		PFAS					
					Chlordane (cis)	Chlordane (trans)	Chlordane (cis) - ASLP	Chlordane (trans) - ASLP	d-BHC	d-BHC - ASLP	4,4-DDE	4,4-DDE - ASLP	DDD	DDD - ASLP	DDT	DDT - ASLP	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endosulfan I - ASLP	Endosulfan II - ASLP	Endosulfan sulphate - ASLP	Endrin	Endrin - ASLP	Endrin aldehyde	Endrin aldehyde - ASLP	g-BHC (Lindane)	g-BHC (Lindane) - ASLP	Heptachlor	Heptachlor - ASLP	Heptachlor epoxide	Heptachlor epoxide - ASLP	Hexachlorobenzene	Hexachlorobenzene - ASLP	Methoxychlor	Methoxychlor - ASLP	Mirex	Chlorpyrifos	Toal OPP	PFHxS and PFOS	PFHxS and PFOS - ASLP	PFOS + PFOA	PFOS + PFOA - ALSP	Sum of PFAS	Sum of PFAS - ASLP
					mg/kg	mg/kg	µg/L	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	µg/L	µg/L	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	mg/kg	µg/L	mg/kg	µg/L
LRL					0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.05	0.05	0.05	0.05	0.2	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.1	0.1	LRL	0.0001	0.01	0.0001	0.01	0.0001	0.01
NEPC(2013) HILs for Comm/Ind D, Soil						530											3,600		2,000					100					50				80		2,500		100	2,000		20					
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																																												
NEPC (2013) Management Limits Comm/Ind, Sand																																												
VMP, Allnex (2020)																																												
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5											93									4,900								25				3.3												
Sample ID	**Sample Depth**	**Matrix**	**Date**																																									
320B	**0.8 - 1**	**Natural**	**17 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	**0.2 - 0.4**	**Fill**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	**0.5 - 0.7**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	**1.8 - 2**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230818*	**1.8 - 2**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320D	**0 - 0.1**	**Fill**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320D	**0.3 - 0.4**	**Fill**	**18 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.2**	-	**1.1**	-	<0.1	-	**1.4**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
320D	**0.5 - 0.7**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320D	**1.8 - 2**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230818*	**1.8 - 2**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	**0.0002**	-	**0.0002**	-	**0.0002**	-
321	**1 - 1.2**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0001**	-	**0.0001**	-	**0.0001**	-
321	**2 - 2.2**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0002**	-	**0.0002**	-	**0.0002**	-
321	**4 - 4.2**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
321	**5 - 5.2**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
321	**6 - 6.2**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0002**	**0.01**	**0.0002**	**0.01**	**0.0004**	**0.02**
321	**7 - 7.2**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
322	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**1.8 - 2**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**2.3 - 2.5**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	**3 - 3.2**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**1 - 1.2**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**1.8 - 2**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**2.3 - 2.5**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**3.3 - 3.5**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	**4.3 - 4.5**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230816^	**4.3 - 4.5**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
322B	**0.5 - 0.7**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	**1.5 - 1.7**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	**2 - 2.2**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	**3 - 3.2**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**0.2 - 0.4**	**Fill**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
322C	**0.6 - 0.8**	**Fill**	**16 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
322C	**1.2 - 1.4**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**1.5 - 1.7**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
322C	**2.5 - 2.7**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230816^	**2.5 - 2.7**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	**3.3 - 3.5**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
322C	**4.8 - 5**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0002**	<0.01	**0.0002**	<0.01	**0.0002**	<0.01
322C	**5.8 - 6**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0006**	<0.01	**0.0004**	<0.01	**0.0006**	<0.01
322C	**7.8 - 8**	**Natural**	**16 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
322D	**0.2 - 0.4**	**Fill**	**15 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
322D	**0.7 - 0.9**	**Fill**	**15 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-
322D	**1.7 - 1.9**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322D	**2.2 - 2.4**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322D	**2.6 - 2.8**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	**0.2 - 0.4**	**Fill**	**24 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**4.1**	**3.3**	**9.7**	**14**	**0.4**	**1**	**14**	**2.1**	<0.1	<0.1	**2.1**	**4.3**	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<LRL	-	-	-	-	-	-
323	**0.7 - 0.9**	**Fill**	**24 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
323	**2.1 - 2.3**	**Fill**	**24 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	**0.1**	-	<0.1	-	**0.1**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
323	**2.5 - 2.7**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230824*	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230824*	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
324	**0.15 - 0.25**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**7.1**	-	**3.4**	-	**0.9**	-	**11**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
324	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
324	**1.8 - 2**	**Natural**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-
BD2/20230821*	**1.8 - 2**	**Natural**	**21 Aug 2023**	<0.05	<0.05	-	-	<0.05	-	<0.05	-	<0.05	-	<0.2	-	<0.05	<0.05	<0.05	<0.05	-	-	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.2	-	-	-	-	-	-	-	-	-	-
325	**0.2 - 0.4**	**Fill**	**21 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**11**	**0.3**	**13**	<0.2	**58**	**0.6**	**82**	<0.1	<0.1	<0.1	**0.4**	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
325	**0.8 - 1**	**Natural**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	<0.0001	-	<0.0001	-	<0.0001	-
325	**3.8 - 4**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0002**	<0.01	**0.0004**	<0.01	**0.0013**	**0.02**
325	**4.8 - 5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0003**	-	**0.0003**	-	**0.0003**	-
BD1/20230821^	**4.8 - 5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0013**	**0.04**	**0.0013**	**0.04**	**0.0013**	**0.04**
325	**6.8 - 7**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
326	**0.15 - 0.25**	**Fill**	**21 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**12**	**2.6**	**12**	**3.2**	**46**	**3.4**	**70**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<LRL	-	-	-	-	-	-
326	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**13**	**2.8**	**7.3**	**2**	**61**	**14**	**82**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<LRL	<0.0001	-	<0.0001	-	<0.0001	-
326	**1 - 1.2**	**Natural**	**21 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**0.1**	**1**	<0.1	**0.6**	<0.1	**0.4**	**0.1**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	<0.0001	-	<0.0001	-	<0.0001	-
326	**3.3 - 3.5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
326	**3.8 - 4**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**4.3 - 4.5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**4.8 - 5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**5.3 - 5.5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
326	**5.8 - 6**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**6.3 - 6.5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**6.8 - 7**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**7.3 - 7.5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**7.8 - 8**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**8.3 - 8.5**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	**8.8 - 9**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327	**0.2 - 0.4**	**Fill**	**18 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.4**	-	<0.1	-	**0.2**	-	**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	<LRL	**0.0022**	**0.07**	**0.0012**	**0.03**	**0.0039**	**0.1**
327	**0.5 - 0.7**	**Fill**	**18 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	**0.0011**	-	<0.0001	-	**0.0011**	-
327	**1.8 - 2**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
327	**4.8 - 5**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0005**	-	**0.0005**	-	**0.0005**	-
327	**5.8 - 6**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230818*	**5.8 - 6**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327	**6.8 - 7**	**Natural**	**18 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0007**	**0.02**	**0.0006**	**0.02**	**0.0007**	**0.02**

Table J1: Summary of Soil Laboratory Results

				OCP																																OPP		PFAS					
				Chlordane (cis)	Chlordane (trans)	Chlordane (cis) - ASLP	Chlordane (trans) - ASLP	d-BHC	d-BHC - ASLP	4,4-DDE	4,4-DDE - ASLP	DDD	DDD - ASLP	DDT	DDT - ASLP	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endosulfan I - ASLP	Endosulfan II - ASLP	Endosulfan sulphate - ASLP	Endrin	Endrin - ASLP	Endrin aldehyde	Endrin aldehyde - ASLP	g-BHC (Lindane)	g-BHC (Lindane) - ASLP	Heptachlor	Heptachlor - ASLP	Heptachlor epoxide	Heptachlor epoxide - ASLP	Hexachlorobenzene	Hexachlorobenzene - ASLP	Methoxychlor	Methoxychlor - ASLP	Mirex	Chlorpyrifos	Toal OPP	PFHxS and PFOS	PFHxS and PFOS - ASLP	PFOS + PFOA	PFOS + PFOA - ALSP	Sum of PFAS	Sum of PFAS - ASLP
				mg/kg	mg/kg	µg/L	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	µg/L	µg/L	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	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.05	0.05	0.05	0.05	0.2	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.1	0.1	LRL	0.0001	0.01	0.0001	0.01	0.0001	0.01
NEPC(2013) HILs for Comm/Ind D, Soil					530											3,600		2,000					100					50				80		2,500		100	2,000		20					
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																																												
NEPC (2013) Management Limits Comm/Ind, Sand																																												
VMP, Allnex (2020)																																												
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5										93									4,900									25			3.3													
Sample ID	**Sample Depth**	**Matrix**	**Date**																																										
328	**0.1 - 0.3**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.2**	-	**0.1**	-	**0.2**	-	**0.4**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
328	**0.4 - 0.6**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.1**	-	<0.1	-	<0.1	-	**0.1**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
328	**0.8 - 1**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
328	**1.3 - 1.5**	**Fill**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328	**2.8 - 3**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**0.1 - 0.3**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**1**	-	**0.7**	-	**1.7**	-	**3.4**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
328A	**0.5 - 0.7**	**Fill**	**21 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
328A	**1.5 - 1.7**	**Fill**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**2.4 - 2.6**	**Fill**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**3.3 - 3.5**	**Fill**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**3.8 - 4**	**Fill**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	**4.1 - 4.3**	**Natural**	**21 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**0.1 - 0.3**	**Fill**	**24 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.8**	-	**1.2**	-	**1.0**	-	**3.0**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
328B	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**1.5 - 1.7**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**2.7 - 2.9**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**3.1 - 3.3**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**3.5 - 3.6**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**4.8 - 5**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	**7.8 - 8**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230824*	**7.8 - 8**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**0.1 - 0.3**	**Fill**	**24 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**1**	-	**0.6**	-	**0.4**	-	**2.0**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	**0.0011**	<0.01	**0.0016**	**0.03**	**0.013**	**0.26**
328C	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	**0.001**	-	**0.0014**	-	**0.0033**	-
328C	**1.5 - 1.7**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0005**	<0.01	**0.0008**	<0.01	**0.0023**	**0.03**
328C	**2.6 - 2.8**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**3.2 - 3.4**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**4.8 - 5**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	**0.0001**	-
328C	**6.8 - 7**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	**7.8 - 8**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230824*	**7.8 - 8**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	**0.25 - 0.35**	**Fill**	**11 Aug 2023**	**0.1**	**0.2**	<0.2	<0.2	<0.1	<0.2	**32**	**3.7**	**25**	**2.4**	**14**	**2.3**	**71**	<0.1	<0.1	<0.1	**1**	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<LRL	-	-	-	-	-	-
328D	**0.5 - 0.7**	**Fill**	**11 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.1**	-	**0.1**	-	<0.1	-	**0.3**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
328D	**1.5 - 1.7**	**Fill**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	**2.4 - 2.6**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	**3 - 3.2**	**Natural**	**11 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**0 - 0.1**	**Fill**	**23 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329/PACM1	**Surface**	**Material**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**2.3**	<0.2	**3.4**	<0.2	**2.7**	**0.3**	**8.5**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<LRL	-	-	-	-	-	-
329	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**1 - 1.2**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**1.3 - 1.5**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
329	**2.3 - 2.5**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**2.8 - 3**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**3.8 - 4**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**4.1 - 4.3**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**4.6 - 4.8**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**5 - 5.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**5.5 - 5.7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**6 - 6.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**6.5 - 6.7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	**6.8 - 7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
329A	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**1.3 - 1.5**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**1.1**	-	**4.8**	-	**0.9**	-	**6.7**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
329A	**1.8 - 2**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**2.8 - 3**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**3.3 - 3.5**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	**3.8 - 4**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**0.1 - 0.2**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.2**	-	**0.2**	-	**0.3**	-	**0.7**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	**0.0033**	**0.02**	**0.0034**	**0.03**	**0.0066**	**0.03**
329B	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**1.5 - 1.6**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.2**	-	**3.2**	-	<0.1	-	**3.4**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	**0.0083**	**0.22**	**0.0085**	**0.23**	**0.0097**	**0.23**
329B	**2 - 2.2**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	**2.5 - 2.7**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0007**	-	**0.0008**	-	**0.0016**	-
329B	**3.5 - 3.7**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	**0.0002**	-	**0.0004**	-	**0.0006**	-
329B	**4.3 - 4.5**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0011**	**0.07**	**0.0011**	**0.06**	**0.0014**	**0.08**
329B	**5 - 5.1**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	**0.4**	-	**0.1**	-	**0.5**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
329B	**5.2 - 5.4**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0002**	<0.01	**0.0002**	<0.01	**0.0002**	<0.01
329B	**6.8 - 7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
329C	**0.1 - 0.2**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**0.5 - 0.7**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C/PACM2	**1**	**Material**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**1.5 - 1.7**	**Fill**	**15 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
329C	**2.3 - 2.5**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**3.3 - 3.5**	**Fill**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**4.1 - 4.3**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**4.6 - 4.8**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**5.1 - 5.3**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**5.6 - 5.8**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	**6.8 - 7**	**Natural**	**15 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**0.1 - 0.3**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**2.0**	-	**4.4**	-	**2.9**	-	**9.2**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<LRL	-	-	-	-	-	-
329D	**0.5 - 0.7**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**0.9 - 1.1**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**1.9 - 2.1**	**Fill**	**14 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
329D	**2.4 - 2.6**	**Fill**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**2.9 - 3.1**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**3.4 - 3.6**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**4 - 4.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**4.5 - 4.7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**5 - 5.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**5.5 - 5.7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				OCP																																OPP		PFAS					
				Chlordane (cis)	Chlordane (trans)	Chlordane (cis) - ASLP	Chlordane (trans) - ASLP	d-BHC	d-BHC - ASLP	4,4-DDE	4,4-DDE - ASLP	DDD	DDD - ASLP	DDT	DDT - ASLP	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endosulfan I - ASLP	Endosulfan II - ASLP	Endosulfan sulphate - ASLP	Endrin	Endrin - ASLP	Endrin aldehyde	Endrin aldehyde - ASLP	g-BHC (Lindane)	g-BHC (Lindane) - ASLP	Heptachlor	Heptachlor - ASLP	Heptachlor epoxide	Heptachlor epoxide - ASLP	Hexachlorobenzene	Hexachlorobenzene - ASLP	Methoxychlor	Methoxychlor - ASLP	Mirex	Chlorpyrifos	Toal OPP	PFHxS and PFOS	PFHxS and PFOS - ASLP	PFOS + PFOA	PFOS + PFOA - ALSP	Sum of PFAS	Sum of PFAS - ASLP
				mg/kg	mg/kg	µg/L	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	µg/L	µg/L	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	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
LRL				0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.05	0.05	0.05	0.05	0.2	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.1	0.1	LRL	0.0001	0.01	0.0001	0.01	0.0001	0.01
NEPC(2013) HILs for Comm/Ind D, Soil					530											3,600		2,000					100					50				80		2,500		100	2,000		20					
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																																												
NEPC (2013) Management Limits Comm/Ind, Sand																																												
VMP, Allnex (2020)																																												
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5										93									4,900								25				3.3													
Sample ID	**Sample Depth**	**Matrix**	**Date**																																										
329D	**6 - 6.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**6.5 - 6.7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**6.9 - 7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
330	**0.1 - 0.3**	**Fill**	**15 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**1.2**	-	**3.3**	-	**1.8**	-	**6.2**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	**0.0027**	-	**0.0031**	-	**0.0088**	-
330	**1 - 1.2**	**Fill**	**15 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**2.2**	-	**10**	-	**3.9**	-	**16**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	**0.014**	-	**0.013**	-	**0.015**	-
330	**2 - 2.2**	**Fill**	**15 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**1.6**	<0.2	**6.7**	**0.7**	**1.6**	<0.2	**10**	<0.1	<0.1	<0.1	**0.2**	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	**0.017**	-	**0.016**	-	**0.018**	-
331	**0.1 - 0.3**	**Fill**	**28 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.8**	-	**1.8**	-	**2.6**	-	**5.3**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	**0.0050**	**0.03**	**0.0049**	**0.03**	**0.0053**	**0.03**
331	**1 - 1.2**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0055**	**0.12**	**0.0049**	**0.1**	**0.0057**	**0.12**
331	**2.5 - 2.7**	**Fill**	**28 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.7**	-	**1.4**	-	**1.2**	-	**3.3**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	**0.0004**	-	**0.0004**	-	**0.0004**	-
331	**3 - 3.2**	**Fill**	**28 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**0.6**	<0.2	**3.7**	<0.2	**0.2**	<0.2	**4.6**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	-	-	-	-	-	-
331	**3.9 - 4.1**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**4.8 - 5**	**Fill**	**28 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**3.2**	<0.2	**41**	<0.2	**1.8**	<0.2	**46**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	**0.0028**	-	**0.0011**	-	**0.0030**	-
331	**5.2 - 5.4**	**Fill**	**28 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**7.1**	<0.2	**78**	<0.2	**0.1**	<0.2	**85**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	**0.0018**	**0.01**	**0.0014**	<0.01	**0.0025**	**0.01**
331	**5.7 - 5.9**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**6.3 - 6.5**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0003**	**0.02**	**0.0003**	**0.02**	**0.0003**	**0.02**
331	**6.8 - 7**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**7.3 - 7.5**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**7.8 - 8**	**Natural**	**28 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**0.2**	<0.2	**2.8**	<0.2	**1.7**	<0.2	**4.8**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	-	-	-	-	-	-
331	**8.3 - 8.5**	**Natural**	**28 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.4**	-	**5.7**	-	**1.4**	-	**7.5**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
331	**8.8 - 9**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331 (Retest 1)	**8.8 - 9**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331 (Retest 2)	**8.8 - 9**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
332	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<1	<1	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1	<1	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1.0	<0.1	<LRL	**0.0025**	-	**0.0025**	-	**0.0028**	-
332	**1 - 1.2**	**Fill**	**29 Aug 2023**	<0.1	**0.1**	<0.2	<0.02	<0.1	<0.2	**2.7**	<0.2	**8.6**	<0.2	**7.0**	<0.2	**18**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0..2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	**0.0054**	-	**0.0051**	-	**0.0054**	-
333	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<1	<1	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1	<1	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1.0	-	-	-	-	-	-	-	-	-
333	**1 - 1.2**	**Fill**	**29 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**7.2**	-	**24**	-	**48**	-	**79**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
333	**1.5 - 1.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333 (Retest 1)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333 (Retest 2)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2.4 - 2.6**	**Fill**	**29 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-
333	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333 (Retest 2)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2.4 - 2.6**	**Fill**	**29 Aug 2023**	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	**0.6**	<0.2	**3.7**	<0.2	**0.2**	<0.2	**4.6**	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	-	-	-	-	-	-	-	-
333	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**5.8 - 6**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**7.3 - 7.5**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	**0.03**
334	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<1	<1	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1	<1	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1.0	<0.1	<LRL	**0.0025**	-	**0.0023**	-	**0.0025**	-
334	**2 - 2.2**	**Fill**	**29 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.2**	-	**1.7**	-	<0.1	-	**2**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	**0.0036**	**0.15**	**0.0029**	**0.15**	**0.0036**	**0.15**
334	**2.5 - 2.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**3 - 3.2**	**Fill**	**29 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	**0.4**	-	**0.8**	-	<0.1	-	**1.2**	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	**0.0004**	-	**0.0003**	-	**0.0004**	-
334	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**6 - 6.2**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0002**	<0.01	**0.0002**	<0.01	**0.0018**	**0.04**
334	**6.8 - 7**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	<0.01	<0.0001	<0.01	**0.0005**	**0.05**
334	**7.3 - 7.5**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**0.2 - 0.4**	**Fill**	**24 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
335	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**1.1 - 1.3**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD5/20230824*	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	<0.01	<0.0001	<0.01	<0.0001	<0.01
BD6/20230824^	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
335	**5.7 - 5.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**0.2 - 0.3**	**Fill**	**24 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
336	**0.4 - 0.5**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**0.6 - 0.7**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**1.1 - 1.2**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**1.4 - 1.5**	**Fill**	**24 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
336	**2.4 - 2.6**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**2.7 - 2.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
337	**0.5 - 0.7**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**1.5 - 1.7**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**2.4 - 2.6**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**4.8 - 5**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**6.8 - 7**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230825*	**6.8 - 7**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230825^	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	-	-	-	-	-	-
338	**1 - 1.2**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**2.1 - 2.3**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**4.8 - 5**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**5.8 - 6**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**6.8 - 7**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338 (Retest 1)~	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338 (Retest 2)	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230825*	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**0.2 - 0.4**	**Fill**	**28 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	<0.0001	-	**0.0003**	-	**0.0008**	-
339	**1 - 1.2**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
339	**1.6 - 1.8**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
339	**2.8 - 3**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**4.8 - 5**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230828^	**4.8 - 5**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**5.8 - 6**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**7.8 - 8**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230828*	**7.8 - 8**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340	**0.3 - 0.5**	**Fill**	**28 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	**0.0004**	<0.01	**0.0003**	<0.01	**0.0005**	<0.01
340	**0.8 - 1**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340	**1.1 - 1.3**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

					OCP																														OPP		PFAS					
					Chlordane (cis)	Chlordane (trans)	Chlordane (cis) - ASLP	Chlordane (trans) - ASLP	d-BHC	d-BHC - ASLP	4,4-DDE	4,4-DDE - ASLP	DDD	DDD - ASLP	DDT	DDT - ASLP	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endosulfan I - ASLP	Endosulfan II - ASLP	Endosulfan sulphate - ASLP	Endrin	Endrin - ASLP	Endrin aldehyde	Endrin aldehyde - ASLP	g-BHC (Lindane)	g-BHC (Lindane) - ASLP	Heptachlor	Heptachlor - ASLP	Heptachlor epoxide	Heptachlor epoxide - ASLP	Hexachlorobenzene	Hexachlorobenzene - ASLP	Methoxychlor	Methoxychlor - ASLP	Mirex	Chlorpyrifos	Toal OPP	PFHxS and PFOS	PFHxS and PFOS - ASLP	PFOS + PFOA	PFOS + PFOA - ALSP	Sum of PFAS	Sum of PFAS - ASLP
					mg/kg	mg/kg	µg/L	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	µg/L	µg/L	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	mg/kg	µg/L	mg/kg	µg/L
LRL					0.05	0.05	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.05	0.05	0.05	0.05	0.2	0.2	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.2	0.1	0.2	0.1	LRL	0.0001	0.01	0.0001	0.01	0.0001	0.01
NEPC(2013) HILs for Comm/Ind D, Soil						530											3,600		2,000					100					50				80		2,500		100	2,000		20					
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																																													
NEPC (2013) Management Limits Comm/Ind, Sand																																													
VMP, Allnex (2020)																																													
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5											93									4,900								25				3.3												
Sample ID	**Sample Depth**	**Matrix**	**Date**																																										
340	**2.8 - 3**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	<0.0001	-	<0.0001	-
340	**3.6 - 3.8**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0001		<0.0001		<0.0001	
341	**0.2 - 0.4**	**Fill**	**28 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<LRL	**0.0012**	**0.02**	**0.0012**	**0.02**	**0.0015**	**0.02**
341	**0.7 - 0.9**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**1.2 - 1.4**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**1.7 - 1.9**	**Fill**	**28 Aug 2023**	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	**0.0001**	-	<0.0001	-	**0.0001**	-
341	**3.2 - 3.4**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**5.8 - 6**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230828*	**5.8 - 6**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT101	**0.15 - 0.25**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT102	**0.13 - 0.2**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT103	**0.03 - 0.1**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT104	**0.18 - 0.25**	**Fill**	**01 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT105	**0.15 - 0.25**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT106	**0.15 - 0.25**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT107	**0.16 - 0.25**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT108	**0.2 - 0.3**	**Fill**	**01 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT109	**0.17 - 0.3**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT110	**0.17 - 0.3**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT111	**0.15 - 0.25**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT112	**0.17 - 0.3**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT113	**0.15 - 0.25**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT114	**0.2 - 0.3**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT115	**0.15 - 0.25**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT116	**0.09 - 0.2**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT117	**0.17 - 0.3**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT118	**0.15 - 0.25**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT119	**0.16 - 0.25**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT120	**0.13 - 0.25**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

^ : Intra-laboratory replicate listed directly below the primary.

* : Inter-laboratory replicate listed directly below the primary.

LRL : Laboratory reporting limit.

SAC : Refer to Appendix H for additional SAC informatic

: Criteria in line also includes NEMP (2020) PFAS and CRC Care (2011) direct contact criteria.

~ : Retest of sample 33/7.8-8 also included analysis of other analytes.

- Sample depth relative to current site levels.

Table J1: Summary of Soil Laboratory Results

				PFAS										Asbestos				
				PFOA	PFOA - ASLP	6:2 FTS	6:2 FTS - ASLP	8:2 FTS	8:2 FTS - ASLP	PFHxS	PFHxS - ASLP	PFOS	PFOS - ASLP	Asbestos ID in soil <0.1g/kg	ACM >7mm Estimation	AF/FA Estimation	AF/FA Estimation	Asbestos in Material
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	g/kg	g	g	%w/w	Present
LRL				0.0001	0.01	0.0001	0.01	0.0002	0.02	0.0001	0.01	0.0001	0.01	0.1	0.0001	0.0001	0.001	-
NEPC(2013) HILs for Comm/Ind D, Soil				50													0.001	
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																		
NEPC (2013) Management Limits Comm/Ind, Sand																		
VMP, Allnex (2020)																		
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																		
Sample ID	**Sample Depth**	**Matrix**	**Date**															
201	**1.9 - 2**	**Fill**	**06 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
201	**12 - 12.3**	**Natural**	**06 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**0.15 - 0.25**	**Fill**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
202	**0.5 - 0.7**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230901^	**0.5 - 0.7**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**0.8 - 1**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230901^	**0.8 - 1**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**1.5 - 1.7**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230901^	**1.5 - 1.7**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**5.5 - 5.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**7.5 - 7.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**10.5 - 10.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**18 - 18.45**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	**19.5 - 19.95**	**Natural**	**01 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**0.25 - 0.35**	**Fill**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
203	**0.6 - 0.8**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230905*	**0.6 - 0.8**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**1.5 - 1.7**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230905*	**1.5 - 1.7**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**2 - 2.2**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230905*	**2 - 2.2**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**4 - 4.45**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**5 - 5.2**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230905^	**5 - 5.2**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**5.5 - 5.95**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**8 - 8.35**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**14 - 14.45**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**17 - 17.45**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	**18.5 - 18.8**	**Natural**	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**0.5 - 0.7**	**Fill**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
204	**1.5 - 1.7**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230904^	**1.5 - 1.7**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**2 - 2.2**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230904^	**2 - 2.2**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**4.5 - 4.7**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230904^	**4.5 - 4.7**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**5 - 5.2**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230904^	**5 - 5.2**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**8 - 8.38**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**17 - 17.45**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD5/20230904^	**17 - 17.45**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	**20 - 20.4**	**Natural**	**04 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**9 - 9.3**	**Natural**	**07 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**10 - 10.45**	**Natural**	**07 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**13 - 13.45**	**Natural**	**07 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	**17 - 17.45**	**Natural**	**07 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**0.15 - 0.25**	**Fill**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
206	**0.5 - 0.7**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230908^	**0.5 - 0.7**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**1.5 - 1.7**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230908^	**1.5 - 1.7**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**2 - 2.2**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230908^	**2 - 2.2**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**5 - 5.2**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230908^	**5 - 5.2**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**5.5 - 5.95**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**9.5 - 9.8**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	**16.5 - 16.95**	**Natural**	**08 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**14 - 14.45**	**Natural**	**31 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**15 - 15.45**	**Natural**	**31 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207	**20 - 20.38**	**Natural**	**31 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**0.2 - 0.4**	**Fill**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0098**	**0.0012**	-
208	**1 - 1.45**	**Fill**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208/PACM3	**1.45**	**Material**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**Present**
208	**1.5 - 1.7**	**Fill**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**2.3 - 2.5**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230830^	**2.3 - 2.5**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**5.5 - 5.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**7.5 - 7.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**8.5 - 8.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**13.5 - 13.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	**15.5 - 15.95**	**Natural**	**30 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**0.5 - 0.7**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	**0.8191**	**0.5526**	**0.0823**	**0.0106**	**-**
209	**1 - 1.45**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209/PACM4	**2**	**Material**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**Present**
209	**2 - 2.2**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0608**	**0.0084**	-
209	**2.5 - 2.9**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**3.5 - 3.7**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**4 - 4.45**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**5 - 5.2**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**5.5 - 5.95**	**Fill**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**6.5 - 6.95**	**Natural**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**8 - 8.3**	**Natural**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**9 - 9.45**	**Natural**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**11 - 11.3**	**Natural**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	**15 - 15.2**	**Natural**	**11 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**0.5 - 0.7**	**Fill**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0008**	<0.001	-
210	**2 - 2.2**	**Fill**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0012**	<0.001	-
210	**3.5 - 3.7**	**Fill**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	<0.1		**0.0050**	<0.001	-
210	**4 - 4.2**	**Fill**	**12 Sep 2023**	-	-	-	-	-	-	-	-	-	-	**1.5928**	**1.1633**	-	<0.001	-

Table J1: Summary of Soil Laboratory Results

				PFAS										Asbestos				
				PFOA	PFOA - ASLP	6:2 FTS	6:2 FTS - ASLP	8:2 FTS	8:2 FTS - ASLP	PFHxS	PFHxS - ASLP	PFOS	PFOS - ASLP	Asbestos ID in soil <0.1g/kg	ACM >7mm Estimation	AF/FA Estimation	AF/FA Estimation	Asbestos in Material
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	g/kg	g	g	%w/w	Present
LRL				0.0001	0.01	0.0001	0.01	0.0002	0.02	0.0001	0.01	0.0001	0.01	0.1	0.0001	0.0001	0.001	-
NEPC(2013) HILs for Comm/Ind D, Soil				50													0.001	
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																		
NEPC (2013) Management Limits Comm/Ind, Sand																		
VMP, Allnex (2020)																		
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																		
Sample ID	**Sample Depth**	**Matrix**	**Date**															
BD4/20230912^	4 - 4.2	Fill	12 Sep 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	5.5 - 5.8	Fill	12 Sep 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	5.8 - 5.95	Natural	12 Sep 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	7 - 7.45	Natural	12 Sep 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	8.5 - 8.95	Natural	12 Sep 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	13.5 - 13.6	Natural	12 Sep 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301	0.5 - 0.7	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
301	1 - 1.2	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	0.2 - 0.4	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	0.8 - 1	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
302	2.3 - 2.5	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	2.8 - 3	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	4.8 - 5	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230817*	4.8 - 5	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	6.8 - 7	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	9.8 - 10	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	11.5 - 11.6	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	0.2 - 0.4	Fill	17 Aug 2023	<0.0001	-	**0.0002**	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
303	1.2 - 1.4	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
303	1.7 - 1.9	Fill	17 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
303	2.1 - 2.3	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	2.6 - 2.8	Fill	17 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
303	3 - 3.2	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303	4.8 - 5	Natural	17 Aug 2023	<0.0001	-	**0.0001**	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
BD2/20230817*	4.8 - 6	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	0.2 - 0.3	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
304	0.3 - 0.5	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
304	1.7 - 1.9	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	2.8 - 3	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	3.8 - 4	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	4.3 - 4.5	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	4.8 - 5	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230817*	4.8 - 5	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	5.3 - 5.5	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304	5.8 - 6	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	0.2 - 0.3	Fill	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
305	1 - 1.2	Fill	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
305	2 - 2.2	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	3.8 - 4	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	4.8 - 5	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230822*	4.8 - 5	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	5.8 - 6	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306	0.2 - 0.3	Fill	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
306	0.8 - 1	Fill	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
306	1.2 - 1.4	Fill	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306	3.8 - 4	Natural	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
307	0.2 - 0.4	Fill	25 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	**0.0103**	-	<0.001	-
307	1.5 - 1.7	Fill	25 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0030**	<0.001	-
307	1.9 - 2.1	Natural	25 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	4.8 - 5	Natural	25 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	5.8 - 6	Natural	25 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307	6.8 - 7	Natural	25 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230825^	6.8 - 7	Natural	25 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	0.2 - 0.4	Fill	22 Aug 2023	<0.0001	-	**0.0004**	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
308	1 - 1.2	Fill	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
308	1.7 - 1.9	Natural	22 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
308	4.8 - 5	Natural	22 Aug 2023	<0.0001	<0.01	**0.0003**	**0.02**	<0.0002	<0.02	<0.0001	<0.01	**0.0003**	**0.01**	-	-	-	-	-
308	5.8 - 6	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	6.8 - 7	Natural	22 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
308	9.8 - 10	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308	10.8 - 11	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	0.2 - 0.4	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
309	0.5 - 0.7	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
309	0.9 - 1.1	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	1.2 - 1.4	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	1.8 - 2	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	2.8 - 3	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	4.8 - 5	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	5.8 - 6	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309	7.8 - 8	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	0.2 - 0.4	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
310	0.8 - 1	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
310	1.6 - 1.8	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	3.6 - 3.8	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	4.6 - 4.8	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	5.6 - 5.8	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230816^	5.6 - 5.8	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	6.6 - 6.8	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310	7.6 - 7.8	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	0.2 - 0.3	Fill	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
311	0.5 - 0.7	Fill	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
311	2 - 2.2	Fill	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
311	3.4 - 3.6	Natural	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
311	4.4 - 4.6	Natural	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
311	5.4 - 5.6	Natural	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
311	6.4 - 6.6	Natural	10 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	7.4 - 7.6	Natural	10 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311	8.4 - 8.6	Natural	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
312	0.15 - 0.25	Fill	23 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	**0.0002**	-	<0.1	**0.0057**	-	<0.001	-
312/PACM3	0.2	Material	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**Present**

Table J1: Summary of Soil Laboratory Results

				PFAS										Asbestos				
				PFOA	PFOA - ASLP	6:2 FTS	6:2 FTS - ASLP	8:2 FTS	8:2 FTS - ASLP	PFHxS	PFHxS - ASLP	PFOS	PFOS - ASLP	Asbestos ID in soil <0.1g/kg	ACM >7mm Estimation	AF/FA Estimation	AF/FA Estimation	Asbestos in Material
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	g/kg	g	g	%w/w	Present
LRL				0.0001	0.01	0.0001	0.01	0.0002	0.02	0.0001	0.01	0.0001	0.01	0.1	0.0001	0.0001	0.001	-
NEPC(2013) HILs for Comm/Ind D, Soil				50													0.001	
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																		
NEPC (2013) Management Limits Comm/Ind, Sand																		
VMP, Allnex (2020)																		
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																		
Sample ID	**Sample Depth**	**Matrix**	**Date**															
312	0.4 - 0.6	Fill	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
312	1.5 - 1.7	Fill	23 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
312	1.8 - 2	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	3.8 - 4	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	4.8 - 5	Natural	23 Aug 2023	<0.0001	<0.01	<0.0001	**0.02**	<0.0002	<0.02	<0.0001	<0.01	**0.0011**	**0.02**	-	-	-	-	-
BD1/20230823^	4.8 - 5	Natural	23 Aug 2023	<0.0001	-	**0.0006**	-	<0.0002	-	<0.0001	-	**0.0016**	-	-	-	-	-	-
312	5.8 - 6	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312	6.8 - 7	Natural	23 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
312	10.8 - 11	Natural	23 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
313	0.4 - 0.5	Fill	23 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
313	0.8 - 1	Fill	23 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
313	1.4 - 1.6	Fill	23 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
313	2.8 - 3	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	3.8 - 4	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	4.3 - 4.5	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	4.8 - 5	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	5.3 - 5.5	Natural	23 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
313	5.8 - 6	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	6.3 - 6.5	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	6.8 - 7	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313	7.8 - 8	Natural	23 Aug 2023	<0.0001	-	**0.0003**	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
313	8.8 - 9	Natural	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	0.15 - 0.25	Fill	22 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
314	0.6 - 0.8	Fill	22 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
314	1.7 - 1.9	Fill	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
314	2 - 2.2	Natural	22 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
314	4.8 - 5	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	5.3 - 5.5	Natural	22 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
314	5.8 - 6	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	6.3 - 6.5	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	6.8 - 7	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	7.3 - 7.5	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314	7.8 - 8	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	0.2 - 0.3	Fill	11 Aug 2023	**0.0003**	**0.01**	<0.0001	<0.01	<0.0002	<0..02	**0.0009**	**0.04**	**0.01**	**0.3**	**3.2443**	-	**1.6754**	**0.3244**	-
315	0.8 - 1	Fill	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
315	1.5 - 1.7	Fill	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
315	2.8 - 3	Natural	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230811^	2.8 - 3	Natural	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	3.8 - 4	Natural	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
315	4.8 - 5	Natural	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
315	5.3 - 5.5	Natural	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
315	5.8 - 6	Natural	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
315	6.3 - 6.5	Natural	11 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
315	6.8 - 7	Natural	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315	7.8 - 8	Natural	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	0.2 - 0.4	Fill	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
316	0.5 - 0.7	Fill	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
316	1.4 - 1.6	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	3.8 - 4	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	4.8 - 5	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230822^	4.8 - 5	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	5.8 - 6	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	6.8 - 7	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316	9.8 - 10	Natural	22 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	0.2 - 0.3	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
317	1 - 1.2	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
317	1.7 - 1.9	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	3.8 - 4	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	4.8 - 5	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	5.8 - 6	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	6.8 - 7	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	7.8 - 8	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	8.8 - 9	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317	9.8 - 10	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	0.2 - 0.4	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
318	1 - 1.2	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
318	1.5 - 1.7	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	2.5 - 2.7	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	3.5 - 3.7	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	4.5 - 4.7	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	4.8 - 5	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	5.8 - 6	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318	6.8 - 7	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	0.25 - 0.35	Fill	10 Aug 2023	**0.0009**	-	**0.0004**	-	**0.002**	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
319	0.5 - 0.7	Fill	10 Aug 2023	**0.0009**	**0.04**	**0.0052**	**0.28**	<0.0002	<0.02	<0.0001	<0.01	<0.0001	<0.01	-	-	-	-	-
319	1.1 - 1.3	Fill	10 Aug 2023	**0.0005**	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
319	1.4 - 1.6	Natural	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
319	2.8 - 3	Natural	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
319	3.8 - 4	Natural	10 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230810^	3.8 - 4	Natural	10 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	4.8 - 5	Natural	10 Aug 2023	<0.0001	<0.01	<0.0001	<0.02	<0.0002	<0.01	<0.0001	<0.01	**0.0003**	<0.01	-	-	-	-	-
319	5.8 - 6	Natural	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
319	6.8 - 7	Natural	10 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319	7.8 - 8	Natural	10 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
320	0.1 - 0.3	Fill	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
320	0.4 - 0.6	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320A	0.15 - 0.25	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
320A	0.5 - 0.6	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320B	0.2 - 0.4	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
320B	0.5 - 0.7	Fill	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				PFAS										Asbestos				
				PFOA	PFOA - ASLP	6:2 FTS	6:2 FTS - ASLP	8:2 FTS	8:2 FTS - ASLP	PFHxS	PFHxS - ASLP	PFOS	PFOS - ASLP	Asbestos ID in soil <0.1g/kg	ACM >7mm Estimation	AF/FA Estimation	AF/FA Estimation	Asbestos in Material
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	g/kg	g	g	%w/w	Present
LRL				0.0001	0.01	0.0001	0.01	0.0002	0.02	0.0001	0.01	0.0001	0.01	0.1	0.0001	0.0001	0.001	-
NEPC(2013) HILs for Comm/Ind D, Soil				50													0.001	
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																		
NEPC (2013) Management Limits Comm/Ind, Sand																		
VMP, Allnex (2020)																		
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																		
Sample ID	**Sample Depth**	**Matrix**	**Date**															
320B	0.8 - 1	Natural	17 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	0.2 - 0.4	Fill	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	0.5 - 0.7	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320C	1.8 - 2	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230818*	1.8 - 2	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320D	0 - 0.1	Fill	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0131**	**0.0026**	-
320D	0.3 - 0.4	Fill	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
320D	0.5 - 0.7	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320D	1.8 - 2	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230818*	1.8 - 2	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321	0.2 - 0.4	Fill	15 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	**0.0002**	-	<0.1	-	**0.0002**	<0.001	-
321	1 - 1.2	Fill	15 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	**0.0001**	-	<0.1	-	-	<0.001	-
321	2 - 2.2	Fill	15 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	**0.0002**	-	<0.1	-	-	<0.001	-
321	4 - 4.2	Natural	15 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
321	5 - 5.2	Natural	15 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
321	6 - 6.2	Natural	15 Aug 2023	<0.0001	<0.01	**0.0002**	**0.01**	<0.0002	<0.02	<0.0001	<0.01	**0.0002**	**0.01**	-	-	-	-	-
321	7 - 7.2	Natural	15 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
322	0.2 - 0.4	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
322	0.6 - 0.8	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	1.8 - 2	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	2.3 - 2.5	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322	3 - 3.2	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	0.2 - 0.4	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	**4.3526**	**1.2694**	**0.3762**	**0.0995**	-
322A	0.6 - 0.8	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
322A	1 - 1.2	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
322A	1.8 - 2	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
322A	2.3 - 2.5	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
322A	3.3 - 3.5	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322A	4.3 - 4.5	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230816^	4.3 - 4.5	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	0.2 - 0.4	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	**0.4302**	**0.0447**	**0.1877**	**0.0347**	-
322B	0.5 - 0.7	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	1.5 - 1.7	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
322B	2 - 2.2	Fill	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322B	3 - 3.2	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	0.2 - 0.4	Fill	16 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
322C	0.6 - 0.8	Fill	16 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
322C	1.2 - 1.4	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	1.5 - 1.7	Natural	16 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
322C	2.5 - 2.7	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230816^	2.5 - 2.7	Natural	16 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322C	3.3 - 3.5	Natural	16 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
322C	4.8 - 5	Natural	16 Aug 2023	<0.0001	-	<0.0001	<0.01	<0.0002	<0.02	<0.0001	<0.01	**0.0002**	<0.01	-	-	-	-	-
322C	5.8 - 6	Natural	16 Aug 2023	<0.0001	-	<0.0001	<0.01	<0.0002	<0.02	**0.0002**	<0.01	**0.0004**	<0.01	-	-	-	-	-
322C	7.8 - 8	Natural	16 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
322D	0.2 - 0.4	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	**0.1079**	-	**0.0445**	**0.0108**	-
322D	0.7 - 0.9	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
322D	1.7 - 1.9	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
322D	2.2 - 2.4	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322D	2.6 - 2.8	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	0.2 - 0.4	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
323	0.7 - 0.9	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	2.1 - 2.3	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
323	2.5 - 2.7	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
323	3.7 - 3.9	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230824*	3.7 - 3.9	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323	4.7 - 4.9	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230824*	4.7 - 4.9	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
324	0.15 - 0.25	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
324	0.5 - 0.7	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
324	1.8 - 2	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230821*	1.8 - 2	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
325	0.2 - 0.4	Fill	21 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
325	0.8 - 1	Natural	21 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
325	3.8 - 4	Natural	21 Aug 2023	**0.0001**	<0.01	**0.001**	**0.02**	<0.0002	<0.02	<0.0001	<0.01	**0.0002**	<0.01	-	-	-	-	-
325	4.8 - 5	Natural	21 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	**0.0003**	-	-	-	-	-	-
BD1/20230821^	4.8 - 5	Natural	21 Aug 2023	<0.0001	<0.01	<0.0001	<0.01	<0.0002	<0.02	<0.0001	<0.01	**0.0013**	**0.04**	-	-	-	-	-
325	6.8 - 7	Natural	21 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
326	0.15 - 0.25	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
326	0.5 - 0.7	Fill	21 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
326	1 - 1.2	Natural	21 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
326	3.3 - 3.5	Natural	21 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
326	3.8 - 4	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	4.3 - 4.5	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	4.8 - 5	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	5.3 - 5.5	Natural	21 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
326	5.8 - 6	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	6.3 - 6.5	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	6.8 - 7	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	7.3 - 7.5	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	7.8 - 8	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	8.3 - 8.5	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	8.8 - 9	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327	0.2 - 0.4	Fill	18 Aug 2023	**0.0002**	**0.01**	**0.0007**	**0.01**	**0.0008**	<0.02	**0.0012**	**0.05**	**0.001**	**0.02**	<0.1	-	-	<0.001	-
327	0.5 - 0.7	Fill	18 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	**0.0011**	-	<0.0001	-	<0.1	-	-	<0.001	-
327	1.8 - 2	Natural	18 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
327	4.8 - 5	Natural	18 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	**0.0005**	-	-	-	-	-	-
327	5.8 - 6	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230818*	5.8 - 6	Natural	18 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327	6.8 - 7	Natural	18 Aug 2023	<0.0001	<0.01	<0.0001	<0.01	<0.0002	<0.02	**0.0001**	<0.01	**0.0006**	**0.02**	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				PFAS										Asbestos				
				PFOA	PFOA - ASLP	6:2 FTS	6:2 FTS - ASLP	8:2 FTS	8:2 FTS - ASLP	PFHxS	PFHxS - ASLP	PFOS	PFOS - ASLP	Asbestos ID in soil <0.1g/kg	ACM >7mm Estimation	AF/FA Estimation	AF/FA Estimation	Asbestos in Material
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	g/kg	g	g	%w/w	Present
LRL				0.0001	0.01	0.0001	0.01	0.0002	0.02	0.0001	0.01	0.0001	0.01	0.1	0.0001	0.0001	0.001	-
NEPC(2013) HILs for Comm/Ind D, Soil				50													0.001	
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																		
NEPC (2013) Management Limits Comm/Ind, Sand																		
VMP, Allnex (2020)																		
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																		
Sample ID	**Sample Depth**	**Matrix**	**Date**															
328	0.1 - 0.3	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328	0.4 - 0.6	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328	0.8 - 1	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328	1.3 - 1.5	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328	2.8 - 3	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	0.1 - 0.3	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
328A	0.5 - 0.7	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
328A	1.5 - 1.7	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
328A	2.4 - 2.6	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
328A	3.3 - 3.5	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
328A	3.8 - 4	Fill	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328A	4.1 - 4.3	Natural	21 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	0.1 - 0.3	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	0.5 - 0.7	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	1.5 - 1.7	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	2.7 - 2.9	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	3.1 - 3.3	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	3.5 - 3.6	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	4.8 - 5	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328B	7.8 - 8	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230824*	7.8 - 8	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	0.1 - 0.3	Fill	24 Aug 2023	**0.0006**	**0.03**	**0.0060**	**0.18**	**0.0051**	**0.05**	**0.0001**	<0.01	**0.001**	<0.01	<0.1	-	-	<0.001	-
328C	0.5 - 0.7	Fill	24 Aug 2023	**0.0004**	-	**0.0013**	-	**0.0005**	-	<0.0001	-	**0.001**	-	<0.1	-	-	<0.001	-
328C	1.5 - 1.7	Fill	24 Aug 2023	**0.0003**	<0.01	**0.0012**	**0.03**	**0.0003**	<0.02	<0.0001	<0.01	**0.0005**	<0.01	-	-	-	-	-
328C	2.6 - 2.8	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
328C	3.2 - 3.4	Fill	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
328C	4.8 - 5	Natural	24 Aug 2023	<0.0001	-	**0.0001**	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
328C	6.8 - 7	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328C	7.8 - 8	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230824*	7.8 - 8	Natural	24 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	0.25 - 0.35	Fill	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	**0.1516**	-	**0.0723**	**0.0152**	-
328D	0.5 - 0.7	Fill	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
328D	1.5 - 1.7	Fill	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	2.4 - 2.6	Natural	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328D	3 - 3.2	Natural	11 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	0 - 0.1	Fill	23 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
329/PACM1	Surface	Material	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present
329	0.1 - 0.3	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	0.5 - 0.7	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	1 - 1.2	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	1.3 - 1.5	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	2.3 - 2.5	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	2.8 - 3	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	3.8 - 4	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	4.1 - 4.3	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	4.6 - 4.8	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	5 - 5.2	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	5.5 - 5.7	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	6 - 6.2	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	6.5 - 6.7	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329	6.8 - 7	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	0.1 - 0.3	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	**0.0182**	-	<0.001	-
329A	0.5 - 0.7	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	1.3 - 1.5	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
329A	1.8 - 2	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329A	2.8 - 3	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
329A	3.3 - 3.5	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
329A	3.8 - 4	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	0.1 - 0.2	Fill	14 Aug 2023	**0.0003**	**0.01**	**0.0025**	<0.01	**0.0005**	<0.02	**0.0002**	<0.01	**0.0031**	**0.02**	<0.1	-	-	<0.001	-
329B	0.5 - 0.7	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	**3.1070**	**0.9229**	-	<0.001	-
329B	1.5 - 1.6	Fill	14 Aug 2023	**0.0005**	**0.01**	**0.0006**	<0.01	**0.0003**	<0.02	**0.0003**	<0.01	**0.0080**	**0.22**	<0.1	-	-	<0.001	-
329B	2 - 2.2	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	2.5 - 2.7	Fill	14 Aug 2023	**0.0008**	-	**0.0001**	-	<0.0002	-	**0.0007**	-	<0.0001	-	-	-	-	-	-
329B	3.5 - 3.7	Fill	14 Aug 2023	**0.0004**	-	<0.0001	-	<0.0002	-	**0.0002**	-	<0.0001	-	<0.1	-	-	<0.001	-
329B	4.3 - 4.5	Fill	14 Aug 2023	**0.0003**	**0.02**	<0.0001	<0.02	<0.0002	<0.03	**0.0003**	**0.01**	**0.0008**	**0.04**	<0.1	-	-	<0.001	-
329B	5 - 5.1	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329B	5.2 - 5.4	Natural	14 Aug 2023	<0.0001	<0.01	<0.0001	<0.01	<0.0002	<0.02	<0.0001	<0.01	**0.0002**	<0.01	-	-	-	-	-
329B	6.8 - 7	Natural	14 Aug 2023	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
329C	0.1 - 0.2	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
329C	0.5 - 0.7	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C/PACM2	1	Material	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present
329C	1.5 - 1.7	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
329C	2.3 - 2.5	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
329C	3.3 - 3.5	Fill	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	4.1 - 4.3	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	4.6 - 4.8	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	5.1 - 5.3	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	5.6 - 5.8	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329C	6.8 - 7	Natural	15 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	0.1 - 0.3	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0198**	**0.0087**	-
329D	0.5 - 0.7	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	0.9 - 1.1	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	1.9 - 2.1	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
329D	2.4 - 2.6	Fill	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	2.9 - 3.1	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	3.4 - 3.6	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	4 - 4.2	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	4.5 - 4.7	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	5 - 5.2	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	5.5 - 5.7	Natural	14 Aug 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table J1: Summary of Soil Laboratory Results

				PFAS										Asbestos				
				PFOA	PFOA - ASLP	6:2 FTS	6:2 FTS - ASLP	8:2 FTS	8:2 FTS - ASLP	PFHxS	PFHxS - ASLP	PFOS	PFOS - ASLP	Asbestos ID in soil <0.1g/kg	ACM >7mm Estimation	AF/FA Estimation	AF/FA Estimation	Asbestos in Material
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	g/kg	g	g	%w/w	Present
LRL				0.0001	0.01	0.0001	0.01	0.0002	0.02	0.0001	0.01	0.0001	0.01	0.1	0.0001	0.0001	0.001	-
NEPC(2013) HILs for Comm/Ind D, Soil				50													0.001	
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																		
NEPC (2013) Management Limits Comm/Ind, Sand																		
VMP, Allnex (2020)																		
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																		
Sample ID	**Sample Depth**	**Matrix**	**Date**															
329D	**6 - 6.2**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**6.5 - 6.7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329D	**6.9 - 7**	**Natural**	**14 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
330	**0.1 - 0.3**	**Fill**	**15 Aug 2023**	**0.0006**	-	**0.0044**	-	**0.001**	-	**0.0002**	-	**0.0025**	-	<0.1	-	-	<0.001	-
330	**1 - 1.2**	**Fill**	**15 Aug 2023**	**0.0007**	-	**0.0001**	-	<0.0002	-	**0.0016**	-	**0.013**	-	<0.1			<0.001	-
330	**2 - 2.2**	**Fill**	**15 Aug 2023**	**0.0006**	-	**0.0002**	-	<0.0002	-	**0.0015**	-	**0.016**	-	**1.2309**	**0.2447**	**0.3058**	**0.0684**	-
331	**0.1 - 0.3**	**Fill**	**28 Aug 2023**	**0.0001**	<0.01	**0.0001**	<0.01	<0.0002	<0.02	**0.0002**	<0.01	**0.0048**	**0.03**	**0.6593**	**0.1963**	-	<0.001	-
331	**1 - 1.2**	**Fill**	**28 Aug 2023**	**0.0002**	<0.01	<0.0001	<0.01	<0.0002	<0.02	**0.0008**	**0.02**	**0.0047**	**0.1**	<0.1			<0.001	-
331	**2.5 - 2.7**	**Fill**	**28 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	**0.0004**	-	**13.8413**	**2.9370**	**0.2262**	**0.0990**	-
331	**3 - 3.2**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
331	**3.9 - 4.1**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**4.8 - 5**	**Fill**	**28 Aug 2023**	**0.0002**	-	<0.0001	-	<0.0002	-	**0.0019**	-	**0.0009**	-	<0.1	-	-	<0.001	-
331	**5.2 - 5.4**	**Fill**	**28 Aug 2023**	**0.0002**	<0.01	**0.0005**	<0.01	<0.0002	<0.02	**0.0006**	**0.01**	**0.0012**	<0.01	-	-	-	-	-
331	**5.7 - 5.9**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**6.3 - 6.5**	**Natural**	**28 Aug 2023**	<0.0001	<0.01	<0.0001	<0.01	<0.0002	<0.02	<0.0001	<0.01	**0.0003**	**0.02**	-	-	-	-	-
331	**6.8 - 7**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**7.3 - 7.5**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**7.8 - 8**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**8.3 - 8.5**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	**8.8 - 9**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331 (Retest 1)	**8.8 - 9**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331 (Retest 2)	**8.8 - 9**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
332	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	**0.0003**	-	<0.0001	-	<0.0002	-	**0.0002**	-	**0.0023**	-	<0.1	-	-	<0.001	-
332	**1 - 1.2**	**Fill**	**29 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	**0.0004**	-	**0.0051**	-	<0.1	-	**0.0202**	**0.0061**	-
333	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-		<0.001	-
333	**1 - 1.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	**0.3305**	-	**0.1220**	**0.0331**	-
333	**1.5 - 1.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
333 (Retest 1)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333 (Retest 2)	**2 - 2.2**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**2.4 - 2.6**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	**1.1263**	**0.2241**	-	<0.001	-
333	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**5.8 - 6**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	**7.3 - 7.5**	**Natural**	**29 Aug 2023**	-	<0.01	-	**0.03**	-	<0.02	-	<0.01	-	<0.01	-	-	-	-	-
334	**0.1 - 0.3**	**Fill**	**29 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	**0.0002**	-	**0.0023**	-	<0.1	-	**0.0057**	**0.0015**	-
334	**2 - 2.2**	**Fill**	**29 Aug 2023**	<0.0001	<0.01	<0.0001	<0.01	<0.0002	<0.02	**0.0006**	<0.01	**0.0029**	**0.15**	<0.1	-	**0.0020**	<0.001	-
334	**2.5 - 2.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**3 - 3.2**	**Fill**	**29 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	**0.0001**	-	**0.0003**	-	<0.1	**0.0017**	-	<0.001	-
334	**4.5 - 4.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**5.5 - 5.7**	**Fill**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334	**6 - 6.2**	**Natural**	**29 Aug 2023**	<0.0001	<0.01	**0.0015**	**0.04**	<0.0002	<0.02	<0.0001	<0.01	**0.0002**	<0.01	-	-	-	-	-
334	**6.8 - 7**	**Natural**	**29 Aug 2023**	<0.0001	<0.01	**0.0005**	**0.05**	<0.0002	<0.02	<0.0001	<0.01	<0.0001	<0.01	-	-	-	-	-
334	**7.3 - 7.5**	**Natural**	**29 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**0.2 - 0.4**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
335	**0.5 - 0.7**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
335	**1.1 - 1.3**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD5/20230824*	**3.7 - 3.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<0.0001	<0.01	<0.0001	<0.01	<0.0002	-	<0.0001	<0.01	<0.0001	<0.01	-	-	-	-	-
BD6/20230824^	**4.7 - 4.9**	**Natural**	**24 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
335	**5.7 - 5.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	**0.2 - 0.3**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
336	**0.4 - 0.5**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
336	**0.6 - 0.7**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
336	**1.1 - 1.2**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
336	**1.4 - 1.5**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
336	**2.4 - 2.6**	**Fill**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
336	**2.7 - 2.9**	**Natural**	**24 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
337	**0.5 - 0.7**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**1.5 - 1.7**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
337	**2.4 - 2.6**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**4.8 - 5**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**6.8 - 7**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230825*	**6.8 - 7**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD4/20230825^	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**0.2 - 0.4**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
338	**1 - 1.2**	**Fill**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
338	**2.1 - 2.3**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**4.8 - 5**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**5.8 - 6**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**6.8 - 7**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338 (Retest 1)~	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338 (Retest 2)	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230825*	**7.8 - 8**	**Natural**	**25 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**0.2 - 0.4**	**Fill**	**28 Aug 2023**	**0.0003**	-	**0.0002**	-	**0.0003**	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
339	**1 - 1.2**	**Fill**	**28 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
339	**1.6 - 1.8**	**Natural**	**28 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	-	-	-	-	-
339	**2.8 - 3**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**4.8 - 5**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD2/20230828^	**4.8 - 5**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**5.8 - 6**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339	**7.8 - 8**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/20230828*	**7.8 - 8**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340	**0.3 - 0.5**	**Fill**	**28 Aug 2023**	**0.0001**	<0.01	<0.0001	<0.01	<0.0002	<0.02	**0.0002**	<0.01	**0.0002**	<0.01	<0.1	-	-	<0.001	-
340	**0.8 - 1**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
340	**1.1 - 1.3**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-

Table J1: Summary of Soil Laboratory Results

				PFAS										Asbestos				
				PFOA	PFOA - ASLP	6:2 FTS	6:2 FTS - ASLP	8:2 FTS	8:2 FTS - ASLP	PFHxS	PFHxS - ASLP	PFOS	PFOS - ASLP	Asbestos ID in soil <0.1g/kg	ACM >7mm Estimation	AF/FA Estimation	AF/FA Estimation	Asbestos in Material
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	g/kg	g	g	%w/w	Present
LRL				0.0001	0.01	0.0001	0.01	0.0002	0.02	0.0001	0.01	0.0001	0.01	0.1	0.0001	0.0001	0.001	-
NEPC(2013) HILs for Comm/Ind D, Soil				50													0.001	
NEPC (2013) HSL Comm/Ind D Soil, Sand, 1-2 m / 2-4 m																		
NEPC (2013) Management Limits Comm/Ind, Sand																		
VMP, Allnex (2020)																		
USEPA RSLs Industrial Soil THQ=1.0, TR=10-5																		
Sample ID	**Sample Depth**	**Matrix**	**Date**															
340	**2.8 - 3**	**Fill**	**28 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	<0.0001	-	<0.0001	-	<0.1	-	-	<0.001	-
340	**3.6 - 3.8**	**Natural**	**28 Aug 2023**	<0.0001	-	<0.0001		<0.0002		<0.0001		<0.0001			-			-
341	**0.2 - 0.4**	**Fill**	**28 Aug 2023**	**0.0003**	<0.01	<0.0001	<0.01	<0.0002	<0.02	**0.0003**	<0.01	**0.0009**	**0.02**	**0.1354**	-	**0.0661**	**0.0135**	-
341	**0.7 - 0.9**	**Fill**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**1.2 - 1.4**	**Fill**	**28 Aug 2023**		-		-		-		-		-		-	-		-
341	**1.7 - 1.9**	**Fill**	**28 Aug 2023**	<0.0001	-	<0.0001	-	<0.0002	-	**0.0001**	-	<0.0001	-	<0.1	-	-	<0.001	-
341	**3.2 - 3.4**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
341	**5.8 - 6**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230828*	**5.8 - 6**	**Natural**	**28 Aug 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CPT101	**0.15 - 0.25**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT102	**0.13 - 0.2**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT103	**0.03 - 0.1**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT104	**0.18 - 0.25**	**Fill**	**01 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT105	**0.15 - 0.25**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT106	**0.15 - 0.25**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT107	**0.16 - 0.25**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT108	**0.2 - 0.3**	**Fill**	**01 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT109	**0.17 - 0.3**	**Fill**	**02 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT110	**0.17 - 0.3**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT111	**0.15 - 0.25**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT112	**0.17 - 0.3**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-		<0.001	-
CPT113	**0.15 - 0.25**	**Fill**	**07 Aug 2023**	-	-	-	-	-	-	-	-	-	-	**1.9085**	-	**1.3084**	**0.1908**	-
CPT114	**0.2 - 0.3**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT115	**0.15 - 0.25**	**Fill**	**04 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-
CPT116	**0.09 - 0.2**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1			<0.001	-
CPT117	**0.17 - 0.3**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	**3.4687**	**2.9805**	**0.0531**	**0.0061**	-
CPT118	**0.15 - 0.25**	**Fill**	**03 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0001**	<0.001	-
CPT119	**0.16 - 0.25**	**Fill**	**08 Aug 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	**0.0174**	**0.0015**	-
CPT120	**0.13 - 0.25**	**Fill**	**31 Jul 2023**	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	<0.001	-

Notes:

^ : Intra-laboratory replicate listed directly below the primary.

* : Inter-laboratory replicate listed directly below the primary.

LRL : Laboratory reporting limit.

SAC : Refer to Appendix H for additional SAC informatic

: Criteria in line also includes NEMP (2020) PFAS and CRC Care (2011) direct contact criteria.

~ : Retest of sample 33/7.8-8 also included analysis of other analytes.

- Sample depth relative to current site levels.

Table 32: Summary of Groundwater Laboratory Results

| | | | TRH | | | | | | | | | | | TPH | | | | | | BTEX | | | | | MAH | | | | | | | | | | |

Table 32: Summary of Groundwater Laboratory Results

| | | | Halogenated Hydrocarbons | | | | Chlorinated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Chlorinated Hydrocarbons | | | | | | | | | | | | | | | | | | |

Table 32: Summary of Groundwater Laboratory Results

			Phenols				PCB			Organochlorine Pesticides																						Organophosphorus Pesticides																								Pseudomonas aeruginosa	Parameters	
			4-Nitrophenol	Pentachlorophenol	Phenol	Phenolics Total	Arochlor 1242	Arochlor 1254	PCB (total)	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos-methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Fenitrothion	Fenthion	Malathion	Methidathion	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Phorate	Prothiofos	Ronnel	OPP (total)		Total Dissolved Solids (Lab)	Total Suspended Solids (Lab)
			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	µg/L	µg/L	µg/L	µg/L	CFU/100mL	mg/L	mg/L
LRL			20	5	1	50	0.01	0.01	LRL	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.5	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.2	0.05	0.5	0.5	0.009	0.05	0.05	0.01	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	2	0.05	0.5	0.05	LRL	10	5	5
VMP, Allnex (2020)																																																								
NEPC (2013) Comm/Ind HSL D, Sand, 2-4 m & 4-8 m																																																						
ANZG (2018) Marine Water LOP 95%				22~	400	400	0.6~	0.03~				0.003`			0.001	(0.08)				0.004`	(0.01)		0.01`		0.01~		0.008~		0.007`	(0.2)	0.0004`	(0.09)		0.004`				0.009			0.01		0.15				0.0001	0.05									
ANZG (2018) Marine Water LOP 99%				33	520	520	1	0.07				0.003			0.001	(0.14)				0.004	(0.02)		0.01		0.02		0.01		0.007	(0.2)	0.0004	(0.4)						0.04			0.2		0.2					0.2									
HEPA(2020), PFAS Interim Marine 95%																																																					
HEPA(2020), PFAS Interim Marine 90%																																																					
Well ID	**Sample Depth**	**Date**																																																					
209	**13.5**	**21 Sep 2023**	-	-	-	<50	-	-	-	**0.016**	**0.017**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.35**	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**510**	**19**
209	**13.7**	**08 Nov 2023**	<20	<5	<1	-	-	-	-	**0.020**	**0.010**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.36**	**0.019**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**340**	**8**
BD1/20231108*	**13.7**	**08 Nov 2023**	-	-	-	<50	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210	**13**	**21 Sep 2023**	-	-	-	<50	-	-	-	**0.003**	**0.003**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.020**	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**750**	**67**
210	**13**	**08 Nov 2023**	<20	<5	**1**	-	-	-	-	**0.005**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.024**	**0.004**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**360**	**24**
BD2/20231108*	**13**	**08 Nov 2023**	-	-	-	<50	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302	**6.5**	**21 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**400**	**43**
305	**6**	**21 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**470**	**19**
307	**6.5**	**21 Sep 2023**	-	-	-	<50	<0.01	<0.01	<LRL	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**590**	**10**
307(T)	**5.5**	**10 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**600**	**56**
307	**6.75**	**10 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**530**	**16**
311	**6.5**	**20 Sep 2023**	-	-	-	<50	<0.01	<0.01	<LRL	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**220**	**30**
BD1/20230920*	**6.5**	**20 Sep 2023**	-	-	-	<50	-	-	<LRL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<2.0	-	<2.0	-	<0.5	-	<LRL	-	-	-
331	**6.5**	**21 Sep 2023**	-	-	-	**200**	<0.01	<0.01	<LRL	**0.17**	**0.090**	<0.001	<0.001	<0.001	<0.001	<0.001	**1.8**	**2**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	**0.006**	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**350**	**350**
331(T)	**6**	**08 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**390**	**47**
331	**7**	**08 Nov 2023**	<20	<5	<1	-	-	-	-	**0.091**	**0.072**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.91**	**1.2**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**370**	**43**
334	**6.5**	**21 Sep 2023**	-	-	-	<50	<0.01	<0.01	<LRL	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.020**	**0.004**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**670**	**95**
334(T)	**5.5**	**08 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**590**	**110**
334	**6.75**	**08 Nov 2023**	<20	<5	<1	-	-	-	-	**0.017**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.050**	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**600**	**100**
338	**6.5**	**21 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**50**	**32**
338(T)	**5.2**	**09 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**43**	**24**
338	**6.5**	**09 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**55**	**190**
BD1/20231109^	**6.5**	**09 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW01	**6**	**20 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**150**	**29**
BD4/20230920*	**6**	**20 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW03	**6.5**	**21 Sep 2023**	-	-	-	**4,900**	<0.01	<0.01	<LRL	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**6,100**	**19**
JBMW04	**6.25**	**21 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**160**	**5**
JBMW05	**6.25**	**21 Sep 2023**	-	-	-	-	<0.01	<0.01	<LRL	**0.005**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.010**	**0.026**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**420**	**68**
JBMW05(T)	**5.5**	**08 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**490**	**7**
JBMW05	**6.5**	**08 Nov 2023**	<20	<5	<1	-	-	-	-	**0.006**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.005**	**0.022**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**620**	**21**
JBMW06`	**6.5**	**20 Sep 2023**	-	-	-	**200**	<0.05	<0.05	<LRL	**1.8**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**37**	**7.8**	-	<0.05	<0.10	<0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<1	<0.2	-	-	<0.04	<0.2	<0.2	<0.05	<0.2	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	-	<0.2	<LRL	-	**240**	**11**
BD3/20230920^	**6.5**	**20 Sep 2023**	-	-	-	**200**	<2	<2	<LRL	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**8.0**	**2**	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	-	<0.2	<LRL			
JMBW06(T)	**5.75**	**09 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**200**	**<5**
JMBW06	**6.75**	**09 Nov 2023**	<20	<5	<1	-	-	-	-	**0.048**	**0.11**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.53**	**0.12**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**250**	**<5**
JBMW07`	**6.5**	**20 Sep 2023**	-	-	-	**60**	<0.01	<0.01	<LRL	**0.050**	**0.17**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.71**	**0.13**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**270**	**<5**
JMBW07(T)	**5.75**	**09 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**160**	**28**
JMBW07	**6.75**	**09 Nov 2023**	<20	<5	**2**	-	-	-	-	**0.24**	**0.093**	<0.001	<0.001	<0.001	<0.001	<0.001	**15**	**3.7**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**220**	**13**
JBMW10	**6**	**20 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**300**	**8**
JBMW11	**6**	**10 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**130**	**35**
BD1/20231110^	**6**	**10 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBMW12	**6.5**	**21 Sep 2023**	-	-	-	**100**	<0.01	<0.01	<LRL	**0.041**	**0.078**	<0.001	<0.001	<0.001	<0.001	<0.001	**3.7**	**0.040**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**180**	**19**
JBMW12(T)	**5.15**	**08 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**260**	**52**
JBMW12	**7**	**08 Nov 2023**	<20	<5	**4**	-	-	-	-	**0.041**	**0.088**	<0.001	<0.001	<0.001	<0.001	<0.001	**4.5**	**0.032**	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**210**	**<5**
JBMW13	**6.5**	**20 Sep 2023**	-	-	-	**60**	<0.01	<0.01	<LRL	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	**190**	**<5**
BD2/20230920^	**6.5**	**20 Sep 2023**	-	-	-	**70**	<2	<2	<LRL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	-	<0.2	<LRL	-	-	-
JBMW13(T)	**5.7**	**08 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**110**	**<5**
JBMW13	**7**	**08 Nov 2023**	<20	<5	**3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**150**	**5**
MW09	**5.5**	**09 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**240**	**98**
MW11	**6**	**20 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**200**	**18**
MW18	**5.5**	**10 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**280**	**<5**
MW32-S	**5.75**	**09 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	**380**	**69**
MW40-S	**6.25**	**22 Sep 2023**	-	-	-	**80**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**330**	**39**
MW40-S(T)	**5.75**	**09 Nov 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**220**	**87**
MW40-S	**6.5**	**09 Nov 2023**	<20	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	**240**	**180**
MW40-D	**9**	**22 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**640**	**10**
MW41-S	**6.25**	**22 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**200**	**54**
MW41-D	**9**	**22 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**950**	**40**
WG229-S #	**9**	**22 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**500**	**10**
WG229-D	**28.5**	**22 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WG230-S	**9**	**22 Sep 2023**	-	-	-	<50	<0.01	<0.01	<LRL	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	-	-
WG233-I	**20**	**22 Sep 2023**	-	-	-	<50	<0.01	<0.01	<LRL	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.05	-	-	<0.009	<0.05	<0.05	<0.01	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<LRL	-	-	-
WG233-D	**29**	**22 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20230922*	**29**	**22 Sep 2023**	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

^ : Intra-laboratory replicate listed directly below the primary.
+ : Inter-laboratory replicate listed directly below the primary.
# : WG229-S incorrectly labelled WG229-I on COC and lab report.

!: Based on review of previous results and results from the second round of sampling (9 November 2023), there is the potential that results for JBMW06 and JBMW07 sampled on 20 September 2023 should be switched between the two wells.

(T) : T prefix indicates sample taken from top of the wate column.
LRL : Laboratory reporting limit.
SAC : Refer to Appendix H for additional SAC information.
- Where the LOP is unknown this has been indicated against the 90% and 95% LOP.
- Sample depth relative to current site levels.
+ : Potential for chronic toxicity.
~ : Potential for bioaccumulation.
` : Unknown LOP for OCP criteria in marine water, moderate reliability freshwater indicated in brackets where available.

Table J3: Summary of Soil Vapour Laboratory Results

		TRH		TPH			BTEX						MAH				Halogenated Benzenes				
		C6-C10 (F1 minus BTEX)	>C10-C12 Fraction (F2 minus Naphthalene)	Aliphatic >C5-C8	Aliphatic >C9-C12	Aromatic >C9-C10	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Naphthalene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	1-methyl-4 ethyl benzene	Styrene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene
		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	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
EQL		0.2	40	200	50	100	1.6	1.9	2.2	4.3	2.2	2.6	2.5	2.5	2.5	2.1	3.7	3	3	3	2.3
NEPC (2013) Comm/Ind D VOCC																					
NEPC (2013) Comm/Ind HSL D, Sand, 0-1 m		680,000	500,000				4,000	4,800,000	1,300,000	840,000		3,000									
NEPC (2013) Comm/Ind HSL D, Sand, 1-2 m		2,800,000	2,400,000				10,000	16,000,000	4,600,000	3,200,000		15,000									
NEPC (2013) Comm/Ind HSL D, Sand, 2-4 m		7,000,000	NL				30,000	39,000,000	11,000,000	8,000,000		35,000									
NEPC (2013) Comm/Ind HSL D, Sand, 4-8 m		15,000,000	NL				65,000	84,000,000	25,000,000	18,000,000		75,000									
USEPA RSL -Sub-Slab Comm/Ind#													2,630	2,630		43,800					
Soil Vapour Port ID	**Sample Date**																				
301	**05 Sep 2023**	<200	**50**	<200	<50	<100	<1.6	**10**	**4**	**10**	**3**	<2.6	<2.5	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
BD1/20230905^	**05 Sep 2023**	<200	<40	<200	<50	<100	<1.6	**20**	**4**	**10**	**4**	<2.6	<2.5	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
303	**05 Sep 2023**	<200	**80**	**620**	**92**	<100	<1.6	**80**	**38**	**230**	**54**	<2.6	**3**	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
304	**05 Sep 2023**	**820**	**780**	**280**	**1,000**	<100	<1.6	**20**	**6**	**10**	**4**	<2.6	**3**	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
306	**05 Sep 2023**	**480**	**840**	**540**	**1,000**	<100	<1.6	**37**	**5**	**10**	**3**	<2.6	**4**	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
328C	**05 Sep 2023**	<200	<40	<200	<50	<100	<1.6	**9**	**8**	**10**	**4**	<2.6	**4**	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
329B	**05 Sep 2023**	<200	<40	<200	<50	<100	<1.6	**10**	**35**	**81**	**20**	<2.6	**5**	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
329C	**05 Sep 2023**	<200	**70**	<200	<50	<100	<1.6	**10**	**8**	**20**	**5**	<2.6	**4**	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
330	**05 Sep 2023**	<200	**60**	<200	<50	<100	**2**	**7**	**10**	**20**	**5**	<2.6	**4**	<2.5	<2.5	<2.1	<3.7	<3	<3	<3	<2.3
332	**26 Sep 2023**	**16,000**	**2,000**	**5,800**	**5,000**	**210**	<1.6	**130**	**230**	**270**	**170**	<2.6	**20**	**27**	**20**	**76**	<3.7	<3	<3	<3	<2.3
333	**26 Sep 2023**	**150,000**	**6,900**	**100,000**	**21,000**	**180**	**10**	**680**	**550**	**550**	**290**	<2.6	**20**	**26**	**20**	**79**	<3.7	<3	<3	<3	<2.3
Shroud 1/20230905	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shroud 1/20230926	**26 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

: USEPA RSL -Sub-Slab Comm/Ind THQ=1.0, TR=10-5, Slab Attenuation Factor 0.1.

^ : Intra-laboratory replicate listed directly below the primary.

- IPA was added for QA purposes. IPA in all samples results recorded <1% of the shroud samples and hence the recorded IPA detections are not

Table J3: Summary of Soil Vapour Laboratory Results

		Halogenated Hydrocarbons				Chlorinated Hydrocarbons																			
		1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Trichlorofluoromethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2-dichloroethane	1,2-dichloropropane	Benzyl chloride	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dichloromethane	Hexachlorobutadiene	Trichloroethene	Tetrachloroethene
		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	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
EQL		3.8	1.9	2.5	2.8	2.7	3.4	2.7	2	2	2	2.3	2.6	3.4	5.2	3.1	1.6	1.3	2.4	1	2	2.3	17	5.3	2.7	3.4
NEPC (2013) Comm/Ind D VOCC						230,000															300				80	8,000
NEPC (2013) Comm/Ind HSL D, Sand, 0-1 m																										
NEPC (2013) Comm/Ind HSL D, Sand, 1-2 m																										
NEPC (2013) Comm/Ind HSL D, Sand, 2-4 m																										
NEPC (2013) Comm/Ind HSL D, Sand, 4-8 m																										
USEPA RSL -Sub-Slab Comm/Ind#																			53		1750				87.6	17500
Soil Vapour Port ID	**Sample Date**																									
301	**05 Sep 2023**	<3.8	<1.9	<2.5	<2.8	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	<2.4	<1	<2	<2.3	<17	<5.3	<2.7	<3.4
BD1/20230905^	**05 Sep 2023**	<3.8	<1.9	<2.5	<2.8	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	<2.4	<1	<2	<2.3	<17	<5.3	<2.7	<3.4
303	**05 Sep 2023**	<3.8	<1.9	<2.5	<2.8	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	<2.4	<1	<2	<2.3	<17	<5.3	<2.7	<3.4
304	**05 Sep 2023**	<3.8	<1.9	<2.5	<2.8	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	<2.4	<1	<2	<2.3	<17	<5.3	<2.7	<3.4
306	**05 Sep 2023**	<3.8	<1.9	<2.5	<2.8	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	<2.4	<1	<2	<2.3	<17	<5.3	<2.7	<3.4
328C	**05 Sep 2023**	<3.8	<1.9	<2.5	<2.8	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	**3**	<1	<2	<2.3	<17	<5.3	<2.7	**7**
329B	**05 Sep 2023**	<3.8	<1.9	<2.5	**5**	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	<2.4	<1	<2	<2.3	<17	<5.3	**7**	**10**
329C	**05 Sep 2023**	<3.8	<1.9	<2.5	<2.8	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	**4**	<1	<2	<2.3	<17	<5.3	<2.7	<3.4
330	**05 Sep 2023**	<3.8	<1.9	<2.5	**4**	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	**3**	<1	<2	<2.3	<17	<5.3	<2.7	**6**
332	**26 Sep 2023**	<3.8	<1.9	<2.5	**37**	<2.7	<3.4	<2.7	<2	<2	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	**5**	<1	<2	<2.3	<17	<5.3	<2.7	**7**
333	**26 Sep 2023**	<3.8	<1.9	<2.5	**10**	<2.7	<3.4	<2.7	<2.0	<2.0	<2	<2.3	<2.6	<3.4	<5.2	<3.1	<1.6	<1.3	<2.4	<1.0	**2**	<2.3	<17	<5.3	<2.7	<3.4
Shroud 1/20230905	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shroud 1/20230926	**26 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

: USEPA RSL -Sub-Slab Comm/Ind THQ=1.0, TR=10-5, Slab Attenuation Factor 0.1.

^ : Intra-laboratory replicate listed directly below the primary.

- IPA was added for QA purposes. IPA in all samples results recorded <1% of the shroud samples and hence the recorded IPA detections are not

Table J3: Summary of Soil Vapour Laboratory Results

					Solvents														VOCs					
		trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,3-Butadiene	1,4-Dioxane	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Carbon disulfide	Cyclohexane	Ethanol	Ethyl acetate	Heptane	Hexane	MTBE	Tetrahydrofuran	Vinyl acetate	Acrolein	Freon 113	Freon 114	Propene	Methyl Methacrylate	2-Propanol (IPA)
		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	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
EQL		2	2.3	1.3	1.1	1.8	15	2	20	11.9	16	1.7	9	1.8	2	1.8	1.8	1.5	1.8	11	3.8	2.5	0.9	2	12
NEPC (2013) Comm/Ind D VOCC				100																					
NEPC (2013) Comm/Ind HSL D, Sand, 0-1 m																									
NEPC (2013) Comm/Ind HSL D, Sand, 1-2 m																									
NEPC (2013) Comm/Ind HSL D, Sand, 2-4 m																									
NEPC (2013) Comm/Ind HSL D, Sand, 4-8 m																									
USEPA RSL -Sub-Slab Comm/Ind#				279								263,000	394		17,500	30,700							131,000		
Soil Vapour Port ID	**Sample Date**																								
301	**05 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	<1.7	<9	<1.8	<2	<1.8	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**210**
BD1/20230905^	**05 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	<1.7	<9	<1.8	<2	<1.8	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**220**
303	**05 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	<1.7	<9	<1.8	<2	<1.8	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**970**
304	**05 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	<1.7	<9	<1.8	<2	<1.8	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**60**
306	**05 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	**2**	<9	<1.8	<2	<1.8	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**90**
328C	**05 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	<1.7	<9	<1.8	<2	<1.8	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**90**
329B	**05 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	<1.7	<9	<1.8	<2	**3**	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**40**
329C	**05 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	<1.7	**10**	<1.8	<2	**10**	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**100**
330	**05 Sep 2023**	<2	<2.3	**5**	<1.1	<1.8	<15	<2	<20	<11.9	<16	<1.7	**10**	<1.8	<2	**2**	<1.8	<1.5	<1.8	<11	<3.8	<2.5	**8**	<2	**60**
332	**26 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	**10**	**60**	<1.8	**23**	**4**	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**20**
333	**26 Sep 2023**	<2	<2.3	<1.3	<1.1	<1.8	<15	<2	<20	<11.9	<16	**700**	**80**	<1.8	**1,000**	**470**	<1.8	<1.5	<1.8	<11	<3.8	<2.5	<0.9	<2	**20**
Shroud 1/20230905	**05 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**821,428,571**
Shroud 1/20230926	**26 Sep 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**3,714,286**

Notes:

: USEPA RSL -Sub-Slab Comm/Ind THQ=1.0, TR=10-5, Slab Attenuation Factor 0.1.

^ : Intra-laboratory replicate listed directly below the primary.

- IPA was added for QA purposes. IPA in all samples results recorded <1% of the shroud samples and hence the recorded IPA detections are not

Table J4: Acid Sulphate Soil Results

Sample Information				Screening Test Results				Laboratory Analysis Results (Acid Base Accounting)					
Location ID	Depth from (m)	Depth to (m)	Sample Description	pH_F (pH units)	pH_{FOX} (pH units)	Reaction Strength	pH change (pH units)	pH_{KCl} (pH units)	Scr (%S)	s-TAA (%S)	s-Net Acidity Acidity without ANC (%S)	Liming Rate with ANCE (kg CaCO3/tonne)	Liming Rate without ANCE (kg CaCO3/tonne)
BH201	12	12.3	Silty SAND (SP): dark brown and dark grey	5.2	**1.9**	High	**3.3**	4.5	0.030	<0.01	**0.037**	2.000	1.700
BH201	13	13.3	SAND (SP): brown	5.8	**2**	Medium	**3.8**	4.7	0.030	<0.01	**0.032**	1.000	1.500
BH201	14	14.45	SAND (SP): brown	5.9	**1.9**	Extreme	**4.0**	5.1	0.008	<0.01	0.009	<0.75	<0.75
BH201	15	15.25	SAND (SP): brown	6.3	3.1	Medium	**3.2**	5.5	0.060	<0.01	**0.055**	3.000	2.600
BH201	16	16.15	SAND (SP): brown	6.4	3.3	Medium	**3.1**	-	-	-	-	-	
BH202	0.5	0.7	SAND (SP): pale grey	7.8	5.6	Low	**2.2**	-	-	-	-	-	
BH202	0.8	1	SAND (SP): pale grey	8	6.2	Low	**1.8**	-	-	-	-	-	
BH202	1	1.45	SAND (SP): pale grey	7.8	5.3	Low	**2.5**	5.8	<0.005	<0.01	<0.005	<0.75	<0.75
BH202	1.5	1.7	SAND (SP): yellow-brown	7.9	6	Low	**1.9**	-	-	-	-	-	
BH202	2	2.2	SAND (SP): yellow-brown	8.6	5.8	Low	**2.8**	-	-	-	-	-	
BH202	2.5	2.95	SAND (SP): yellow-brown	7.9	5.5	Low	**2.4**	-	-	-	-	-	
BH202	3	3.2	SAND (SP): yellow-brown	7.7	5.5	Low	**2.2**	-	-	-	-	-	
BH202	3.5	3.7	SAND (SP): yellow-brown	8.3	5.7	Low	**2.6**	-	-	-	-	-	
BH202	4	4.45	SAND (SP): yellow-brown	8.2	5.3	Low	**2.9**	5.8	<0.005	<0.01	<0.005	<0.75	<0.75
BH202	4.5	4.7	SAND (SP): pale grey	7.5	5.3	Low	**2.2**	-	-	-	-	-	
BH202	5	5.2	SAND (SP): pale grey	8	5.8	Low	**2.2**	-	-	-	-	-	
BH202	5.5	5.95	SAND (SP): pale grey	8.2	5.6	Low	**2.6**	6.2	<0.005	<0.01	<0.005	<0.75	<0.75
BH202	6.5	6.95	SAND (SP): pale grey	8.1	6.5	Low	**1.6**	-	-	-	-	-	
BH202	7.5	7.95	SAND (SP): pale grey	8.1	5.8	Low	**2.3**	-	-	-	-	-	
BH202	8.5	8.9	SAND (SP): pale grey	8.7	3.1	Low	**5.6**	6.0	0.020	<0.01	0.020	1.000	0.960
BH202	9	9.7	SAND (SP): pale grey	8.3	4.4	Low	**3.9**	-	-	-	-	-	
BH202	9.7	9.95	Silty SAND (SM): dark brown and brown	8.8	5.2	Low	**3.6**	-	-	-	-	-	
BH202	10.5	10.95	Silty SAND (SM): dark brown and brown	8.8	4.4	Low	**4.4**	4.8	0.010	<0.01	0.012	<0.75	<0.75
BH202	11.5	11.8	Silty SAND (SM): dark brown and brown	8.9	3.9	Low	**5.0**	4.6	0.006	<0.01	0.009	<0.75	<0.75
BH202	12.5	12.8	SAND (SP): grey-brown	8.7	3.6	Low	**5.1**	4.6	0.010	<0.01	0.014	<0.75	<0.75
BH202	13.5	13.95	SAND (SP): grey-brown	8.2	3.5	Low	**4.7**	-	-	-	-	-	
BH202	14.5	14.65	SAND (SP): grey-brown	7.8	3.9	Low	**3.9**	-	-	-	-	-	
BH202	14.65	14.95	SAND (SP): grey-brown	7.5	3.6	Low	**3.9**	4.9	0.030	<0.01	0.029	1.000	1.400
BH202	15.5	15.95	SAND (SP): grey-brown	7.3	3	Low	**4.3**	-	-	-	-	-	
BH202	16.5	16.95	SAND (SP): grey-brown	7.6	3.4	Low	**4.2**	4.6	0.020	<0.01	0.021	1.000	0.980
BH202	18	18.45	Peaty CLAY (OH): dark brown	7.6	3.8	Low	**3.8**	4.6	0.150	<0.01	**0.160**	7.600	7.600
BH202	19.5	19.95	SAND (SP): pale grey	7.3	**2.9**	Low	**4.4**	5.4	0.060	<0.01	**0.064**	3.000	3.000
BH203	0.6	0.8	SAND (SP): pale brown	7.8	5.6	Low	**2.2**	-	-	-	-	-	
BH203	1	1.45	SAND (SP): pale brown	8	5.7	Low	**2.3**	-	-	-	-	-	
BH203	1.5	1.7	SAND (SP): pale brown	7.5	5.6	Low	**1.9**	-	-	-	-	-	
BH203	2	2.2	SAND (SP): pale brown	7.2	5.7	Low	**1.5**	-	-	-	-	-	
BH203	2.5	2.95	SAND (SP): pale brown	7.2	5.7	Low	**1.5**	-	-	-	-	-	
BH203	3	3.2	SAND (SP): pale grey	7.3	5.6	Low	**1.7**	-	-	-	-	-	
BH203	3.5	3.7	SAND (SP): pale grey	7.2	5.4	Low	**1.8**	-	-	-	-	-	
BH203	4	4.45	SAND (SP): pale grey	6.6	3.9	Low	**2.7**	6.0	0.060	<0.01	**0.055**	3.000	2.600
BH203	4.5	4.7	SAND (SP): pale grey	6.8	5.5	Low	**1.3**	-	-	-	-	-	
BH203	5	5.2	SAND (SP): pale grey	6.7	5.8	Low	0.9	-	-	-	-	-	
BH203	5.5	5.95	SAND (SP): pale grey	6.6	5.4	Low	**1.2**	-	-	-	-	-	
BH203	7	7.45	SAND (SP): pale grey	6.6	3.5	Low	**3.1**	-	-	-	-	-	
BH203	8	8.35	SAND (SP): pale grey	5.9	**2.4**	Low	**3.5**	-	-	-	-	-	
BH203	8.35	8.45	Peaty SAND: dark grey and brown	5.6	**2.1**	Low	**3.5**	4.5	1.700	0.020	**1.700**	81.000	81.000
BH203	9	9.45	Silty SAND (SP): brown	6.2	**2.4**	Low	**3.8**	4.9	0.010	<0.01	0.011	<0.75	<0.75
BH203	10	10.45	Silty SAND (SP): brown	6.2	**2.5**	Low	**3.7**	-	-	-	-	-	
BH203	11	11.45	Silty SAND (SP): brown	6.2	**2.5**	Low	**3.7**	-	-	-	-	-	
BH203	12	12.45	Silty SAND (SP): brown	6.1	**2.4**	Low	**3.7**	4.6	0.020	<0.01	0.020	1.000	0.960
BH203	13	13.34	Silty SAND (SP): grey-brown	6	**2.7**	Low	**3.3**	-	-	-	-	-	
BH203	14	14.45	Silty SAND (SP): brown and dark brown	5.9	4.2	Low	**1.7**	4.7	0.030	<0.01	0.029	1.000	1.400
BH203	15	15.3	Silty SAND (SP): brown and dark brown	6.2	3.8	Low	**2.4**	-	-	-	-	-	
BH203	16	16.3	Silty SAND (SP): brown and dark brown	6	3.4	Low	**2.6**	5.1	0.020	<0.01	0.015	<0.75	<0.75
BH203	17	17.45	Peaty CLAY (OH): dark grey and brown	6	3.6	Low	**2.4**	4.5	0.030	0.010	**0.044**	2.000	2.100
BH203	18.5	18.8	Silty SAND (SP): grey-brown	5.4	**2.4**	Low	**3.0**	-	-	-	-	-	
BH203	20	20.22	Silty SAND (SP): grey	5.8	**2.8**	Low	**3.0**	4.5	0.280	0.020	**0.300**	14.000	14.000
BH204	1.5	1.7	SAND (SP): dark brown	5.3	4.7	Low	0.6	-	-	-	-	-	
BH204	2	2.2	SAND (SP): dark brown	5.3	5.5	Low	**-**	-	-	-	-	-	
BH204	2.5	2.95	SAND (SP): pale grey	5.5	5.2	Low	0.3	-	-	-	-	-	
BH204	3	3.2	SAND (SP): pale grey	5.5	5.6	Low	**-**	-	-	-	-	-	
BH204	3.5	3.7	SAND (SP): pale grey	5.8	5.9	Low	**-**	-	-	-	-	-	
BH204	4	4.45	SAND (SP): pale grey	6	5.4	Low	0.6	-	-	-	-	-	
BH204	4.5	4.7	SAND (SP): pale grey	6	5.4	Low	0.6	-	-	-	-	-	
BH204	5	5.2	SAND (SP): pale grey	6.1	5.5	Low	0.6	-	-	-	-	-	
BH204	5.5	5.95	SAND (SP): pale grey	6	5.5	Low	0.5	-	-	-	-	-	
BH204	7	7.45	SAND (SP): pale grey	6.3	6.4	Low	**-**	-	-	-	-	-	
BH204	8	8.38	Peaty SAND: grey and brown	6.2	6	Low	0.2	4.8	0.030	<0.01	**0.034**	2.000	1.600
BH204	9	9.45	Silty SAND: brown	6.3	**2.8**	Low	**3.5**	4.6	0.020	<0.01	0.020	0.900	0.940
BH204	10	10.45	Silty SAND: brown	6.3	4.4	Low	**1.9**	-	-	-	-	-	
BH204	11	11.45	Silty SAND: brown	6.3	3.6	Low	**2.7**	-	-	-	-	-	
BH204	12	12.45	SAND (SP): brown	6	3.4	Low	**2.6**	-	-	-	-	-	
BH204	13	13.3	SAND (SP): dark grey and brown	5.9	3.9	Low	**2.0**	-	-	-	-	-	
BH204	13.3	13.41	SAND (SP): dark grey and brown	6.1	3.2	Low	**2.9**	5.0	0.030	<0.01	0.029	1.000	1.400
BH204	14	14.45	SAND (SP): dark grey and brown	6.1	3.4	Low	**2.7**	-	-	-	-	-	
BH204	15	15.36	SAND (SP): brown	6.2	**2.4**	Low	**3.8**	5.2	0.020	<0.01	0.017	0.800	0.810
BH204	16	16.45	SAND (SP): brown	6.2	**2**	Low	**4.2**	5.2	0.020	<0.01	0.020	0.900	0.940
BH204	17	17.45	Peaty CLAY (OH): dark grey and brown	6	**2.2**	Low	**3.8**	4.5	0.030	0.010	**0.043**	2.000	2.000
BH204	18.5	18.87	SAND (SP): grey	6	**2.1**	Low	**3.9**	-	-	-	-	-	
BH204	20	20.4	SAND (SP): grey	6	**2.1**	Low	**3.9**	4.9	0.150	<0.01	**0.150**	7.000	7.000
BH205	8	8.3	Silty SAND (SP): grey and dark grey	5.6	**1.8**	Medium	**3.8**	5.3	0.010	<0.01	0.014	<0.75	<0.75
BH205	9	9.3	Silty SAND (SP): grey and dark grey	6.1	**2.6**	High	**3.5**	-	-	-	-	-	
BH205	10	10.45	SAND (SP): brown and dark brown	6	**2.6**	Medium	**3.4**	4.7	0.020	<0.01	0.019	0.900	0.900
BH205	11	11.3	SAND (SP): brown and dark brown	5.6	**2.8**	Medium	**2.8**	-	-	-	-	-	
BH205	12	12.3	SAND (SP): brown, grey and pale brown	6.2	**2.5**	Medium	**3.7**	5.1	0.010	<0.01	0.015	<0.75	<0.75

Table J4: Acid Sulphate Soil Results

Sample Information				Screening Test Results				Laboratory Analysis Results (Acid Base Accounting)					
Location ID	Depth from (m)	Depth to (m)	Sample Description	pH_F (pH units)	pH_{FOX} (pH units)	Reaction Strength	pH change (pH units)	pH_{KCl} (pH units)	Scr (%S)	s-TAA (%S)	s-Net Acidity Acidity without ANC (%S)	Liming Rate with ANCE (kg CaCO3/tonne)	Liming Rate without ANCE (kg CaCO3/tonne)
BH205	13	13.45	SAND (SP): brown, grey and pale brown	5.4	**2.7**	High	**2.7**	-	-	-	-	-	
BH205	14	14.3	SAND (SP): brown, grey and pale brown	5.9	**1.8**	Extreme	**4.1**	5.1	0.008	<0.01	0.010	<0.75	<0.75
BH205	15	15.45	SAND (SP): brown, grey and pale brown	5.9	**1.8**	High	**4.1**	-	-	-	-	-	
BH205	16	16.45	SAND (SP): brown, grey and pale brown	5.5	**1.7**	Volcanic	**3.8**	4.7	0.020	<0.01	0.019	0.900	0.900
BH205	17	17.45	Peaty Silty CLAY (CL-CI): dark grey	5.5	**2**	Extreme	**3.5**	4.5	0.020	<0.01	0.028	1.000	1.300
BH206	0.5	0.7	SAND (SP): pale grey	5.1	4.5	Medium	0.6	-	-	-	-	-	
BH206	1	1.45	SAND (SP): pale grey	5.2	4.4	Medium	0.8	5.4	<0.005	<0.01	<0.005	<0.75	<0.75
BH206	1.5	1.7	SAND (SP): pale grey	5.4	4.5	Medium	0.9	-	-	-	-	-	
BH206	2	2.2	SAND (SP): pale grey	5.2	4.6	Medium	0.6	-	-	-	-	-	
BH206	2.5	2.95	SAND (SP): pale grey	5.4	4.8	Medium	0.6	-	-	-	-	-	
BH206	3	3.2	SAND (SP): pale grey	5.3	4.7	Medium	0.6	5.3	<0.005	<0.01	<0.005	<0.75	<0.75
BH206	3.5	3.7	SAND (SP): pale grey	5.3	4.8	Medium	0.5	-	-	-	-	-	
BH206	4	4.45	SAND (SP): pale grey	6	5	Medium	**1.0**	-	-	-	-	-	
BH206	4.5	4.7	SAND (SP): pale grey	6.5	5.1	Medium	**1.4**	-	-	-	-	-	
BH206	5	5.2	SAND (SP): pale grey	6.3	5.4	Medium	0.9	-	-	-	-	-	
BH206	5.5	5.95	SAND (SP): pale grey	6.5	5.2	Medium	**1.3**	6.0	<0.005	<0.01	<0.005	<0.75	<0.75
BH206	6.5	6.95	Silty SAND (SM): grey	6.6	5.3	Medium	**1.3**	-	-	-	-	-	
BH206	8	8.35	Silty SAND (SM): grey	6.7	4.5	Medium	**2.2**	5.8	0.005	<0.01	0.005	<0.75	<0.75
BH206	8.35	8.45	Silty SAND (SM): grey	6.6	**2.9**	Extreme	**3.7**	4.6	0.020	<0.01	0.028	1.000	1.300
BH206	9.5	9.8	Silty SAND (SM): grey	6.6	**2.8**	Medium	**3.8**	5.1	0.010	<0.01	0.011	<0.75	<0.75
BH206	11	11.45	Silty SAND (SM): brown	6.3	**2.4**	High	**3.9**	4.9	0.009	<0.01	0.011	<0.75	<0.75
BH206	12.5	12.73	Silty SAND (SM): brown	6	**2.3**	High	**3.7**	5.2	0.008	<0.01	0.009	<0.75	<0.75
BH206	14	14.45	Silty SAND (SM): brown	5.9	3.6	Medium	**2.3**	-	-	-	-	-	
BH206	15	15.45	Silty SAND (SM): brown	5.9	**2.8**	High	**3.1**	5.1	0.010	<0.01	0.010	<0.75	<0.75
BH206	16.5	16.95	Peaty CLAY (OH): dark grey	5.3	**2.8**	Medium	**2.5**	4.5	0.090	0.030	**0.120**	6.000	5.600
BH206	18	18.3	SAND (SP): brown and grey	5.9	**1.4**	Extreme	**4.5**	5.2	0.030	<0.01	0.026	1.000	1.200
BH206	19.5	19.88	SAND (SP): brown and grey	6.5	3.5	Medium	**3.0**	5.4	<0.005	<0.01	<0.005	<0.75	<0.75
BH207	0.5	0.7	SAND (SP): pale brown	5.2	3.8	Low	**1.4**	5.1	0.010	<0.01	0.016	0.800	0.770
BH207	1	1.45	SAND (SP): pale grey and brown	5.5	5.3	Low	0.2	-	-	-	-	-	
BH207	1.5	1.7	SAND (SP): pale grey and brown	5.6	5	Low	0.6	-	-	-	-	-	
BH207	2	2.2	SAND (SP): pale grey and brown	5.5	5	Low	0.5	-	-	-	-	-	
BH207	2.5	2.95	SAND (SP): pale yellow-brown	5.6	5	Low	0.6	-	-	-	-	-	
BH207	3	3.2	SAND (SP): pale yellow-brown	5.5	4.9	Low	0.6	5.2	0.007	<0.01	0.009	<0.75	<0.75
BH207	3.5	3.7	SAND (SP): pale yellow-brown	5.6	5.1	Low	0.5	-	-	-	-	-	
BH207	4	4.45	SAND (SP): pale grey	5.7	5.5	Low	0.2	-	-	-	-	-	
BH207	4.5	4.7	SAND (SP): pale grey	6.6	5.8	Low	0.8	-	-	-	-	-	
BH207	5	5.2	SAND (SP): pale grey	6.2	5.9	Low	0.3	-	-	-	-	-	
BH207	5.5	5.95	SAND (SP): pale grey	6.5	5.9	Low	0.6	-	-	-	-	-	
BH207	6.5	6.95	SAND (SP): pale grey	6.7	5.9	Low	0.8	-	-	-	-	-	
BH207	8	8.45	SAND (SP): dark grey and grey	6.5	3.8	Low	**2.7**	-	-	-	-	-	
BH207	9	9.45	Silty SAND (SM): brown	6.6	4.7	Low	**1.9**	4.9	0.010	<0.01	0.013	<0.75	<0.75
BH207	10	10.45	Silty SAND (SM): brown	6.6	4.6	Low	**2.0**	-	-	-	-	-	
BH207	11	11.45	Silty SAND (SM): brown	6.2	3.3	Low	**2.9**	5.0	0.010	<0.01	0.012	<0.75	<0.75
BH207	12	12.45	Silty SAND (SM): brown	6.8	3.1	Low	**3.7**	4.9	0.090	<0.01	**0.092**	4.000	4.300
BH207	13	13.45	Silty SAND (SM): pale grey-brown	6.3	3.8	Low	**2.5**	-	-	-	-	-	
BH207	14	14.45	Silty SAND (SM): pale grey-brown	6.3	4.2	Low	**2.1**	-	-	-	-	-	
BH207	15	15.45	Peaty CLAY (OH): dark grey	5.9	4.3	Low	**1.6**	-	-	-	-	-	
BH207	16	16.2	Peaty CLAY (OH): dark grey	5.8	3.9	Low	**1.9**	4.8	0.140	<0.01	**0.140**	7.000	6.800
BH207	16.2	16.45	Silty SAND (SP): grey	5.3	3	Low	**2.3**	4.5	0.290	0.020	**0.310**	15.000	15.000
BH207	17	17.45	Silty SAND (SP): grey-brown	6	3	Low	**3.0**	4.6	0.070	<0.01	**0.075**	4.000	3.500
BH207	18.5	18.89	Silty SAND (SP): grey-brown	6.1	5.7	Low	0.4	-	-	-	-	-	
BH207	20	20.38	Silty SAND (SP): grey-brown	6.2	4.6	Low	**1.6**	5.5	0.006	<0.01	0.006	<0.75	<0.75
BH208	1.8	2	SAND (SP): pale grey	6	5.9	Low	0.1	-	-	-	-	-	
BH208	2.3	2.5	SAND (SP): pale grey	6	5.1	Low	0.9	6.1	<0.005	<0.01	<0.005	<0.75	<0.75
BH208	2.8	3	SAND (SP): pale grey	6.3	6.7	Low	-	-	-	-	-	-	
BH208	3.3	3.5	SAND (SP): grey	6.4	6.2	Low	0.2	-	-	-	-	-	
BH208	3.8	4	Silty SAND (SM): dark brown	6.5	6.3	Low	0.2	-	-	-	-	-	
BH208	4.3	4.5	Silty SAND (SM): dark brown	6.1	5.8	Low	0.3	5.2	0.010	<0.01	0.017	0.800	0.790
BH208	4.8	5	Silty SAND (SM): dark brown	6.4	6.3	Low	0.1	-	-	-	-	-	
BH208	5.3	5.5	Silty SAND (SM): dark brown	6.5	6.2	Low	0.3	-	-	-	-	-	
BH208	6.5	6.95	Silty SAND (SM): brown	6.8	6.3	Low	0.5	6.4	0.010	<0.01	0.012	<0.75	<0.75
BH208	7.5	7.95	Silty SAND (SM): dark brown	6.8	5.2	Low	**1.6**	5.6	0.030	<0.01	0.026	1.000	1.200
BH208	8.5	8.95	SAND (SP): pale grey	6.6	3.8	Low	**2.8**	5.8	0.008	<0.01	0.008	<0.75	<0.75
BH208	10.5	10.75	SAND (SP): pale grey	6.7	4.2	Low	**2.5**	-	-	-	-	-	
BH208	11.5	11.8	SAND (SP): pale grey	6.4	4.1	Low	**2.3**	4.7	0.020	<0.01	0.021	1.000	1.000
BH208	12.5	12.85	SAND (SP): pale grey	6.2	3.2	Low	**3.0**	4.7	0.040	<0.01	**0.042**	2.000	2.000
BH208	13.5	13.6	SAND (SP):grey	5	4.6	Low	0.4	4.9	0.008	<0.01	0.012	<0.75	<0.75
BH208	13.6	13.95	SAND (SP):grey	6.2	3	Low	**3.2**	-	-	-	-	-	
BH208	14.5	14.85	SAND (SP):grey	6.1	3	Low	**3.1**	-	-	-	-	-	
BH208	15.5	15.95	Peaty CLAY (OH): dark grey	5.9	3.3	Low	**2.6**	4.5	0.040	0.010	**0.052**	2.000	2.400
BH208	17	17.45	Silty SAND (SM): grey and brown	6.2	**2.7**	Low	**3.5**	4.5	0.160	<0.01	**0.170**	8.100	8.100
BH208	18.5	18.95	Silty SAND (SM): grey and brown	6.1	4.2	Low	**1.9**	5.6	0.010	<0.01	0.012	<0.75	<0.75
BH209	6.5	6.95	SAND (SP): pale grey-brown	6.5	4.5	Medium	**2.0**	6.3	0.005	<0.01	0.005	<0.75	<0.75
BH209	8	8.3	Silty SAND (SM): brown and dark brown	6	3.4	Medium	**2.6**	-	-	-	-	-	
BH209	9	9.45	Silty SAND (SM): brown and dark brown	6.7	**2.8**	High	**3.9**	5.0	0.050	<0.01	**0.048**	2.000	2.300
BH209	10	10.45	Silty SAND (SM): brown and dark brown	6.6	**2.6**	Medium	**4.0**	-	-	-	-	-	
BH209	11	11.3	Silty SAND (SM): grey-brown	6.5	**2.4**	Medium	**4.1**	-	-	-	-	-	
BH209	12	12.45	Silty SAND (SM): brown	6.7	**2.7**	Medium	**4.0**	5.2	0.030	<0.01	0.026	1.000	1.200
BH209	13	13.45	Silty SAND (SM): brown	6.6	5	Medium	**1.6**	-	-	-	-	-	
BH209	14	14.3	Silty SAND (SM): pale grey-brown	6.5	4.8	Medium	**1.7**	-	-	-	-	-	
BH209	15	15.2	Peaty CLAY (OH): dark grey	7.1	3.7	Medium	**3.4**	4.9	0.090	0.020	**0.110**	5.000	5.200
BH209	15.2	15.45	Peaty CLAY (OH): dark grey	7	3.1	Medium	**3.9**	-	-	-	-	-	
BH209	16.5	16.73	SAND (SP): grey-brown	6.6	4.6	Medium	**2.0**	-	-	-	-	-	
BH209	18	18.25	SAND (SP): grey-brown	6.7	4.8	Medium	**1.9**	5.9	<0.005	<0.01	<0.005	<0.75	<0.75
BH209	19.5	19.95	SAND (SP): grey	6.6	4.7	High	**1.9**	5.8	0.006	<0.01	0.006	<0.75	<0.75

Table J4: Acid Sulphate Soil Results

Sample Information				Screening Test Results				Laboratory Analysis Results (Acid Base Accounting)					
Location ID	Depth from (m)	Depth to (m)	Sample Description	pH_F (pH units)	pH_{FOX} (pH units)	Reaction Strength	pH change (pH units)	pH_{KCl} (pH units)	Scr (%S)	s-TAA (%S)	s-Net Acidity Acidity without ANC (%S)	Liming Rate with ANCE (kg CaCO3/tonne)	Liming Rate without ANCE (kg CaCO3/tonne)
BH210	7	7.45	SAND (SP): grey and dark grey	6.9	**2.4**	Volcanic	**4.5**	6.4	0.010	<0.01	0.011	<0.75	<0.75
BH210	8.5	8.95	Silty SAND (SM): brown and dark brown	6.8	3.3	Volcanic	**3.5**	5.3	0.020	<0.01	0.018	0.900	0.860
BH210	9.5	9.95	Silty SAND (SM): brown and dark brown	6.6	**2.1**	High	**4.5**	5.0	0.060	<0.01	**0.062**	3.000	2.900
BH210	10.5	10.8	Silty SAND (SM): brown and dark brown	6.8	3.3	Medium	**3.5**	-	-	-	-	-	
BH210	11.5	11.95	Silty SAND (SM): pale brown and pale grey	6.7	4.5	Medium	**2.2**	-	-	-	-	-	
BH210	12.5	12.8	Silty SAND (SM): pale brown and pale grey	6.8	4.2	Medium	**2.6**	5.5	<0.005	<0.01	<0.005	<0.75	<0.75
BH210	13.5	13.6	Silty SAND (SM): pale brown and pale grey	6.9	4.6	Medium	**2.3**	4.6	<0.005	<0.01	0.007	<0.75	<0.75
BH210	13.6	13.95	Peaty CLAY (OH): dark grey	6	3	Extreme	**3.0**	-	-	-	-	-	
BH210	14.5	14.73	SAND (SP): grey and brown	6.7	3.1	High	**3.6**	5.7	<0.005	<0.01	<0.005	<0.75	<0.75
BH210	15.5	15.72	SAND (SP): grey and brown	6.5	4.2	Medium	**2.3**	-	-	-	-	-	
BH210	16.5	16.77	SAND (SP): grey and brown	6.6	4	Medium	**2.6**	5.8	0.010	<0.01	0.010	<0.75	<0.75
BH210	18	18.2	SAND (SP): grey and brown	6.4	**2.8**	High	**3.6**	-	-	-	-	-	
BH210	18.2	18.41	SAND (SP): grey	6.9	**2**	Extreme	**4.9**	5.1	0.010	<0.01	0.016	0.800	0.770
BH210	19.5	19.74	SAND (SP): grey	6.5	4.5	Medium	**2.0**	5.6	0.008	<0.01	0.008	<0.75	<0.75
BH302	2.3	2.5	SAND (SP): pale grey	4.8	3.9	Low	0.9	5.3	<0.005	<0.01	<0.005	<0.75	<0.75
BH302	2.8	3	SAND (SP): pale grey	4.6	3.9	Low	0.7	5.2	<0.005	<0.01	<0.005	<0.75	<0.75
BH302	3.8	4	SAND (SP): pale grey	4.9	4.4	Low	0.5	5.3	0.020	<0.01	0.016	0.800	0.750
BH302	4.8	5	SAND (SP): pale grey	5.9	5.1	Low	0.8	-	-	-	-	-	
BH302	5.8	6	SAND (SP): pale grey	5.6	4.9	Low	0.7	-	-	-	-	-	
BH302	6.8	7	SAND (SP): pale grey	6.2	4.7	Low	**1.5**	-	-	-	-	-	
BH302	7.8	8	SAND (SP): pale grey	6	4.3	Low	**1.7**	5.5	<0.005	<0.01	<0.005	<0.75	<0.75
BH302	8.8	9	SAND (SP): pale grey	6.1	4.4	Low	**1.7**	-	-	-	-	-	
BH302	9.8	10	SAND (SP): dark grey	6.1	3.6	Low	**2.5**	5.6	<0.005	<0.01	<0.005	<0.75	<0.75
BH302	10.8	11	SAND (SP): dark grey	5.3	**2.6**	High	**2.7**	4.5	0.006	<0.01	0.011	<0.75	<0.75
BH302	11.5	11.6	CLAY (CI-CH): dark grey	5.1	**2.5**	High	**2.6**	-	-	-	-	-	
BH305	2	2.2	SAND (SP): pale grey	5.9	4.4	High	**1.5**	5.2	<0.005	<0.01	<0.005	<0.75	<0.75
BH305	2.8	3	SAND (SP): pale grey	6.2	4.8	High	**1.4**	-	-	-	-	-	
BH305	3.8	4	SAND (SP): pale grey	7	5.5	High	**1.5**	-	-	-	-	-	
BH305	4.8	5	SAND (SP): pale grey	8.8	6.1	Extreme	**2.7**	-	-	-	-	-	
BH305	5.8	6	SAND (SP): pale grey	7.5	5.3	High	**2.2**	5.7	0.008	<0.01	0.008	<0.75	<0.75
BH305	6.8	7	SAND (SP): pale grey	7.4	5.7	High	**1.7**	-	-	-	-	-	
BH308	9.8	10	SAND (SP): dark grey	5.7	3	High	**2.7**	4.8	0.006	<0.01	0.011	<0.75	<0.75
BH308	10.8	11	CLAY (CI-CH): dark grey	5.7	3	High	**2.7**	4.8	0.008	<0.01	0.011	<0.75	<0.75
BH311	3.4	3.6	SAND (SP): pale grey	6.4	4.3	Medium	**2.1**	-	-	-	-	-	
BH311	4.4	4.6	SAND (SP): pale grey	6.7	4.5	Medium	**2.2**	-	-	-	-	-	
BH311	5.4	5.6	SAND (SP): grey	7	4.8	Medium	**2.2**	-	-	-	-	-	
BH311	6.4	6.6	SAND (SP): pale grey	7.8	5.3	Medium	**2.5**	-	-	-	-	-	
BH311	7.4	7.6	SAND (SP): dark brown	6.6	4	Medium	**2.6**	-	-	-	-	-	
BH311	8.4	8.6	SAND (SP): dark brown	6.5	3.9	Medium	**2.6**	-	-	-	-	-	
BH311	9.4	9.6	SAND (SP): dark brown	6.2	**2.7**	High	**3.5**	-	-	-	-	-	
BH312	4.8	5	SAND (SP): pale grey	7.3	5.5	Medium	**1.8**	5.7	0.006	<0.01	0.006	<0.75	<0.75
BH312	5.8	6	SAND (SP): pale grey	7.5	5.6	Extreme	**1.9**	-	-	-	-	-	
BH312	6.8	7	SAND (SP): dark grey	5.9	3.4	High	**2.5**	-	-	-	-	-	
BH312	7.8	8	SAND (SP): dark grey	5.8	**2.9**	High	**2.9**	5.1	0.006	<0.01	0.007	<0.75	<0.75
BH312	8.8	9	SAND (SP): dark grey	6.1	3.3	Medium	**2.8**	-	-	-	-	-	
BH312	9.8	10	SAND (SP): dark grey	6.5	3.8	High	**2.7**	-	-	-	-	-	
BH312	10.8	11	Sandy CLAY (CL sa): dark grey	6	3.2	High	**2.8**	4.7	0.007	<0.01	0.013	<0.75	<0.75
BH316	1.4	1.6	SAND (SP): pale grey and yellow	4.9	4	Low	0.9	5.1	<0.005	<0.01	<0.005	<0.75	<0.75
BH316	1.8	2	SAND (SP): pale grey	5.1	4.1	Low	**1.0**	-	-	-	-	-	
BH316	2.8	3	SAND (SP): pale grey	5.4	4.4	Medium	**1.0**	-	-	-	-	-	
BH316	3.8	4	SAND (SP): pale grey	6.9	5	High	**1.9**	-	-	-	-	-	
BH316	4.8	5	SAND (SP): pale grey	4.9	4.4	Low	0.5	4.5	0.008	<0.01	0.014	<0.75	<0.75
BH316	5.8	6	SAND (SP): pale grey	6.4	5.2	Low	**1.2**	-	-	-	-	-	
BH316	6.8	7	SAND (SP): dark grey	6	3.3	Low	**2.7**	-	-	-	-	-	
BH316	7.8	8	SAND (SP): dark grey	5.8	3	Medium	**2.8**	4.7	0.020	<0.01	0.022	1.000	1.000
BH316	8.8	9	SAND (SP): dark grey	5.4	3.2	Medium	**2.2**	-	-	-	-	-	
BH316	9.8	10	CLAY (CI-CH): dark grey	5.8	**2.7**	High	**3.1**	4.5	<0.005	0.020	0.018	0.800	0.830
BH317	4.6	4.8	SAND (SP): pale grey	4.5	3.5	Low	**1.0**	4.7	0.008	0.010	0.018	0.800	0.830
BH318	1.5	1.7	SAND (SP): pale grey	4.7	3.5	Low	**1.2**	-	-	-	-	-	
BH318	2	2.2	SAND (SP): pale grey	4.9	3.9	Low	**1.0**	-	-	-	-	-	
BH318	2.5	2.7	SAND (SP): pale grey	5	4.1	Low	0.9	5.4	<0.005	<0.01	<0.005	<0.75	<0.75
BH318	3.5	3.7	SAND (SP): pale grey	5.7	4.6	Low	**1.1**	5.6	<0.005	<0.01	<0.005	<0.75	<0.75
BH318	4.5	4.7	SAND (SP): pale grey	6.3	5.1	Low	**1.2**	-	-	-	-	-	
BH318	4.8	5	SAND (SP): pale grey	6.4	5.4	Low	**1.0**	-	-	-	-	-	
BH318	5.8	6	SAND (SP): pale grey	6.7	5.2	Low	**1.5**	-	-	-	-	-	
BH318	6.8	7	SAND (SP): dark brown	6.1	**2.6**	Low	**3.5**	5.3	0.010	<0.01	0.016	0.800	0.770
BH318	7.8	8	SAND (SP): dark brown	6	3.2	Low	**2.8**	-	-	-	-	-	
BH319	0.5	0.7	FILL/SAND: grey to dark grey	7.7	5.2	Low	**2.5**	-	-	-	-	-	
BH319	1.1	1.3	FILL/SAND: brown and dark grey	7.2	5.1	Low	**2.1**	-	-	-	-	-	
BH319	1.4	1.6	SAND (SP): pale grey and yellow	7.1	5	Low	**2.1**	6.0	<0.005	<0.01	0.007	<0.75	<0.75
BH319	1.9	2.1	SAND (SP): pale grey	7	5.3	Low	**1.7**	-	-	-	-	-	
BH319	2.8	3	SAND (SP): pale grey	7.1	5.6	Low	**1.5**	-	-	-	-	-	
BH319	3.8	4	SAND (SP): pale grey	7	5.3	Low	**1.7**	-	-	-	-	-	
BH319	4.8	5	SAND (SP): pale grey	7	5.4	Low	**1.6**	-	-	-	-	-	
BH319	5.8	6	SAND (SP): pale grey	6.5	5.5	High	**1.0**	-	-	-	-	-	
BH319	6.8	7	SAND (SP): dark brown	6.6	3.3	High	**3.3**	-	-	-	-	-	
BH319	7.8	8	SAND (SP): dark brown	6.4	3.2	High	**3.2**	-	-	-	-	-	
BH327	1	1.2	SAND (SP): pale grey	5	4.3	Extreme	0.7	5.4	<0.005	<0.01	<0.005	<0.75	<0.75
BH327	1.8	2	SAND (SP): pale grey	5.1	4.7	Medium	0.4	-	-	-	-	-	
BH327	2.8	3	SAND (SP): pale grey	5.3	4.3	Medium	**1.0**	-	-	-	-	-	
BH327	3.8	4	SAND (SP): pale grey and yellow	5.6	4.4	Medium	**1.2**	-	-	-	-	-	
BH327	4.8	5	SAND (SP): pale grey	6.1	5	Medium	**1.1**	5.5	<0.005	<0.01	<0.005	<0.75	<0.75
BH327	5.8	6	SAND (SP): pale grey	7.1	5.6	Medium	**1.5**	-	-	-	-	-	
BH327	6.8	7	SAND (SP): dark grey	6.9	3.9	Medium	**3.0**	-	-	-	-	-	
BH327	7.8	8	SAND (SP): dark grey	6.4	3.4	High	**3.0**	4.8	0.009	<0.01	0.013	<0.75	<0.75

Table J4: Acid Sulphate Soil Results

Sample Information				Screening Test Results				Laboratory Analysis Results (Acid Base Accounting)					
Location ID	Depth from (m)	Depth to (m)	Sample Description	pH_F (pH units)	pH_{FOX} (pH units)	Reaction Strength	pH change (pH units)	pH_{KCl} (pH units)	Scr (%S)	s-TAA (%S)	s-Net Acidity Acidity without ANC (%S)	Liming Rate with ANCE (kg CaCO3/tonne)	Liming Rate without ANCE (kg CaCO3/tonne)
BH327	8.8	9	SAND (SP): dark grey	6.2	3.5	Medium	**2.7**	-	-	-	-	-	
BH328B	6.8	7	SAND (SP): pale grey	6.7	3.7	High	**3.0**	-	-	-	-	-	
BH328B	7.8	8	SAND (SP): pale grey	6.8	3.6	High	**3.2**	-	-	-	-	-	
BH328C	6.8	7	SAND (SP): pale grey	7	**2.9**	Medium	**4.1**	-	-	-	-	-	
BH328C	7.8	8	SAND (SP): pale grey	7.1	3.5	Medium	**3.6**	-	-	-	-	-	
BH329C	4.1	4.3	SAND (SP): pale grey	6.1	3.4	Medium	**2.7**	-	-	-	-	-	
BH329C	4.6	4.8	SAND (SP): pale grey	6.7	3.8	High	**2.9**	-	-	-	-	-	
BH329C	5.1	5.3	SAND (SP): grey	7.8	5.7	High	**2.1**	-	-	-	-	-	
BH329C	5.6	5.8	SAND (SP): grey	7.5	4.3	High	**3.2**	6.0	<0.005	<0.01	<0.005	<0.75	<0.75
BH329C	6.4	6.6	SAND (SP): grey	7.3	4.5	High	**2.8**	-	-	-	-	-	
BH329C	6.8	7	SAND (SP): dark grey	6.9	3.2	High	**3.7**	5.9	0.008	<0.01	0.008	<0.75	<0.75
BH329C	7.8	8	SAND (SP): dark grey	6.8	4.2	Low	**2.6**	-	-	-	-	-	
BH331	6.3	6.5	SAND (SP): dark brown	6.4	3.1	Low	**3.3**	-	-	-	-	-	
BH331	6.8	7	SAND (SP): dark brown	6.6	**2.9**	Low	**3.7**	5.5	0.010	<0.01	0.016	<0.75	<0.75
BH331	7.3	7.5	SAND (SP): dark brown	6.7	3.4	Low	**3.3**	-	-	-	-	-	
BH331	7.8	8	SAND (SP): dark brown	6.9	3	Low	**3.9**	-	-	-	-	-	
BH331	8.3	8.5	SAND (SP): dark brown	6.9	3.1	Low	**3.8**	5.6	0.020	<0.01	0.020	0.900	0.940
BH331	8.8	9	SAND (SP): dark brown	6.9	3.9	Low	**3.0**	-	-	-	-	-	
BH333	5.8	6	SAND (SP): pale brown	7.5	**2.3**	Low	**5.2**	4.9	0.010	<0.01	0.014	<0.75	<0.75
BH333	6.5	6.7	SAND (SP): pale brown	7.4	3.9	Low	**3.5**	-	-	-	-	-	
BH333	6.8	7	SAND (SP): pale brown	7.4	3.9	Low	**3.5**	-	-	-	-	-	
BH333	7.3	7.5	SAND (SP): pale brown	7.6	3.8	Low	**3.8**	-	-	-	-	-	
BH334	6	6.2	SAND (SP): dark brown	7.8	3.8	Low	**4.0**	-	-	-	-	-	
BH334	6.3	6.5	SAND (SP): dark brown	7.6	3.6	Low	**4.0**	6.3	0.010	<0.01	0.013	<0.75	<0.75
BH334	6.8	7	SAND (SP): dark brown	7.1	3.2	Low	**3.9**	-	-	-	-	-	
BH334	7.3	7.5	SAND (SP): dark brown	7.4	3	Low	**4.4**	5.2	0.020	<0.01	0.026	1.000	1.200
BH334	7.8	8	SAND (SP): dark brown	7.4	3.2	Low	**4.2**	-	-	-	-	-	
Assessment Sceening Criteria (pH units)				**<4**	**<3**	-	**1.0**	Action Criteria (%S) - Coarse texture: sands to loamy sands and peats			**0.03**	-	-

Notes:

Adopted texutre - C = coarse, M = medium, F = fine

pH_F - Soil pH in water

pH_{FOX} - Soil pH in peroxide

Reaction strength: L - Low , M - Medium, H - High, X - Extreme, V - Volcanic, F - Frothing (indicative of organic material)

pH change = pH_F - pH_{FOX}

pH_{KCL} - KCl extractable pH

S_{KCl} - KCl extractable sulfur

S_{cr} - potential sulfidic acidity

TAA - titratable actual acidity (reported if pH_{KCL}<6.5)

ANC_{BT} – acid neutralising capacity (reported if $pH_{KCl} \geq 6.5$)

NT - Not tested

Bold results are indicators of ASS conditions, noting:

- Assessment criteria are considered a reasonable initial screening for AASS or PASS
- $pH_F \leq 4$ is indicative of the presence of Actual ASS (AASS), although it is not conclusive of ASS on its own as naturally occurring non ASS soils can have $pH_F \leq 5$
- pH_{FOX}<3 or pH Change ≥1 may indicate potential ASS (PASS), although exception apply. Laboratory testing required to confirm presence of Reduced Inorganic Sulfur (RIS)
- Refer to Table 5.1, A2, A3 of Sullivan,L. et al (2018) for further details

Shaded results exceed the action criteria. Criteria specific for soil texture and anticpated tonnage of soil disturbed to be more than 1,000 tonnes.

Net Acidity can only include the measured ANC where the ANC has been corroborated by other data (for example slab incubation data) that demonstrates the soil material does not experience acidification

The action criteria apply only to ASS materials and not to other acidic soils such as acidic peatlands and coastal heaths.

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334535.9, N:6241776.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 201
PROJECT No: 219609.02
DATE: 06/09/23
SHEET: 1 of 2

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	10	0.16	CONCRETE: 8mm steel reinforcement at 0.11m depth			NA			ES		0.16	PID	<1ppm
			FILL / SAND: pale brown and grey; fine to medium; trace fine sandstone gravel.		FILL	ND	M		ES		0.40	PID	<1ppm
		0.60									0.50		
	9	1	FILL / SAND: brown and grey; fine to medium; trace fine igneous gravel.						ES		0.90	PID	<1ppm
											1.00	PID	<1ppm
									ES			SPT	1,1,2 N=3
					FILL	(VL)	D				1.45		
	8	2							ES		1.90	PID	<1ppm
											2.00		
		2.60									2.50	PID	<1ppm
			SAND (SP): brown and dark brown; fine to medium; with some weakly cemented bands up to 30mm thick.		AEO	L	D		ES			SPT	2,3,2 N=5
	7	3									2.95		
		3.60											
			SAND (SP): pale brown; fine to medium.			MD	M		ES		4.00	PID	<1ppm
	6	4										SPT	4,6,10 N=16
											4.45		
▼ Water Level 06/09/23	5	5									5		
									ES		5.50	PID	<1ppm
												SPT	7,18,28 N=46
	4	6				D to VD					5.95		
									ES		6.50	PID	<1ppm
					AEO							SPT	14,20,20 N=40
	3	7									6.95		
							W						
	2	8							ES		8.00	SPT	17,28,25/100 (HB)
						VD							<1ppm
											8.40	PID	
	1	9	From 9.00m: pale grey								9		
									ES		9.50	PID	<1ppm
												SPT	16,25 (HB)
											9.75		

NOTES: (#)Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: DT to 0.16m, AD/T to 5.5m, WB to 20.0m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: JS
CASING: HW to 5.5m

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Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334535.9, N:6241776.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 201
PROJECT No: 219609.02
DATE: 06/09/23
SHEET: 2 of 2

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	10.00	[CONT] SAND (SP): pale brown; fine to medium.										
		Silty SAND (SP): dark brown and dark grey; fine to medium; with peaty sands bands, typically 20-50mm thick.										
	11			EST	D			ES		11.00	PID	3ppm
											SPT	12,13,25 N=38
										11.45		
	12							ES		12.00	PID	<1ppm
											SPT	18,28 (R)
										12.30		
	12.50	SAND (SP): brown; fine to medium; trace peaty sand bands, typically 20-50mm thick.			VD							
	13							ES		13.00	SPT	6,30 (R)
										13.30	PID	<1ppm
	14	14.30m-14.60m: clay band			MD			ES		14.00	PID	<1ppm
											SPT	15,15,11 N=26
										14.45		
	15					W		ES		15.00	PID	<1ppm
											SPT	15,25 (R)
										15.25		
	16			EST				ES		16.00	SPT	35 (HB)
										16.15		
	17	17.50m-17.80m: possible clay band			VD					17	SPT	25,25/100 (R) No recovery
	18									18	SPT	35 (HB) No recovery
	19	Borehole discontinued at 20.00m depth. Target depth reached.								19	SPT	32,35/100 (HB) No recovery

NOTES: (#)Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: DT to 0.16m, AD/T to 5.5m, WB to 20.0m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: JS
CASING: HW to 5.5m

Generated with CORE-GS by Geroc - Soil Log

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.1 AHD
COORDINATE: E:334517.6, N:6241646.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 202
PROJECT No: 219609.02
DATE: 01/09/23
SHEET: 1 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	10	0.04	ASPHALTIC CONCRETE						ES		0.15	PID	7ppm
		0.40	FILL / SAND: brown and grey; fine to medium; trace fine to coarse, angular to sub-angular igneous gravel; trace asphalt fragments.		FILL						0.25		
			SAND (SP): pale grey; fine.						* ES		0.50	PID	<1ppm
	9	1									0.70		
			From 1.50m: yellow-brown			L			* ES		0.80	PID	<1ppm
									ES		1.00	PID	<1ppm
												SPT	2,3,3 N=6
									* ES		1.50	PID	<1ppm
	8	2									1.70		
									ES		2.00	PID	<1ppm
											2.20		
									ES		2.50	PID	<1ppm
												SPT	1,2,2 N=4
	7	3					M				3.00	PID	<1ppm
									ES		3.20		
									ES		3.50	PID	<1ppm
											3.70		
	6	4				MD					4.00	PID	<1ppm
									ES			SPT	3,6,8 N=14
			From 4.50m: pale grey						ES		4.50	PID	<1ppm
											4.70		
	5	5			AEO	D			ES		5.00	PID	<1ppm
											5.20		
▼ 01/09/23 01:00			From 5.70m: slight to moderate sulphuric odour						ES		5.50	PID	<1ppm
	4	6										SPT	2,12,18 N=28
											5.95		
									ES		6.50	PID	<1ppm
												SPT	16,36,37 N=73
	3	7									6.95		
			7.50m: peaty silt lense approximately 10mm thick; slight chemical odour, slight sulphuric odour			VD	W		ES		7.50	PID	1ppm
												SPT	14,27,40 N=67
	2	8									7.95		
			From 8.50m: moderate sulphuric odour						ES		8.50	SPT	27,39,40/100 (HB)
													2ppm
	1	9									8.90	PID	<1ppm
												PID	
									ES		9.50	PID	<1ppm
		9.70	Silty SAND (SM): dark brown and brown; fine		EST	D			ES		9.70	SPT	22,30,33 N=63
													3ppm

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.04m, AD/T to 5.7m, WB to 20.0m
CASING: HW to 5.5m
REMARKS: *Field replicate BD1/20230901 taken from 0.5-0.7m, BD2/20230901 taken from 0.8-1.0m and BD3/20230901 taken from 1.5-1.7m

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.1 AHD
COORDINATE: E:334517.6, N:6241646.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 202
PROJECT No: 219609.02
DATE: 01/09/23
SHEET: 2 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	12	to medium; with peaty sand lense approximately 70 mm thick; strong sulphuric odour.		EST	D						PID	
	11							ES		10.50	PID	2ppm
											SPT	16,17,25 N=42
										10.95		
								ES		11.50	PID	<1ppm
											SPT	29,75/150 (HB)
										11.80		
	12									12		
	12.50	SAND (SP): grey-brown; fine to medium; slight to moderate sulphuric odour.			VD			ES		12.50	SPT	17,27,27 N=54
	13											<1ppm
										12.95	PID	
								ES		13.50	SPT	28,48,61 N=100
	14					W						<1ppm
										13.95	PID	
		14.65m: interbedded with sandy peat lenses, typically 50-200mm thick; slight sulphuric odour		EST	D			ES		14.50	PID	<1ppm
	15							ES		14.65	SPT	10,15,15 N=30
												<1ppm
										14.95	PID	
								ES		15.50	PID	<1ppm
	16										SPT	5,15,15 N=30
										15.95		
								ES		16.50	PID	<1ppm
	17				D						SPT	16,22,24 N=46
										16.95		
	18.00	Peaty CLAY (OL): dark brown; low to medium plasticity; trace roots and decomposed organics; moderate sulphuric odour.		EST	VSt	w=PL		ES		18.00	PID	11ppm
											SPT	6,7,12 N=19
	19									18.45		
	19.40	SAND (SP): pale grey; fine; trace interbedded silty clay lenses approximately 40mm thick.		EST	VD	W				19		
								ES		19.50	PID	<1ppm
											SPT	19,39,42 N=81

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.04m, AD/T to 5.7m, WB to 20.0m
CASING: HW to 5.5m
REMARKS: *Field replicate BD1/20230901 taken from 0.5-0.7m, BD2/20230901 taken from 0.8-1.0m and BD3/20230901 taken from 1.5-1.7m

Refer to explanatory notes for symbol and abbreviation definitions

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Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.1 AHD
COORDINATE: E:334517.6, N:6241646.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 202
PROJECT No: 219609.02
DATE: 01/09/23
SHEET: 3 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		Borehole discontinued at 20.00m depth. Target depth reached.										

Generated with CORE-GS by Geroc - Soil Log

NOTES: [#]Soil origin is "probable" unless otherwise stated. [*]Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.04m, AD/T to 5.7m, WB to 20.0m
CASING: HW to 5.5m
REMARKS: *Field replicate BD1/20230901 taken from 0.5-0.7m, BD2/20230901 taken from 0.8-1.0m and BD3/20230901 taken from 1.5-1.7m

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334639.3, N:6241749.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 203
PROJECT No: 219609.02
DATE: 05/09/23
SHEET: 1 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.25	CONCRETE			NA				ES		0.25	PID	8ppm
		0.60	FILL / SAND: grey-brown; fine to medium; trace fine to medium igneous gravel, rootlets and decomposed organics, clinker.		FILL	ND				* ES		0.60	PID	<1ppm
			SAND (SP): pale brown; fine to medium; trace iron-cemented nodules.									0.80		
										ES		1.00	PID	<1ppm
							L						SPT	3,5,4 N=9
										* ES		1.50	PID	<1ppm
												1.70		
										* ES		2.00	PID	<1ppm
												2.20		
								M		ES		2.50	PID	<1ppm
													SPT	3,5,5 N=10
			From 3.00m: pale grey							ES		3.00	PID	<1ppm
							MD					3.20		
										ES		3.50	PID	<1ppm
												3.70		
					AEO					ES		4.00	SPT	2,4,7 N=11
														<1ppm
										ES		4.50	PID	<1ppm
												4.70	PID	
▼										* ES		5.00	PID	<1ppm
05/09/23												5.20		
										ES		5.50	PID	<1ppm
													SPT	5,18,31 N=49
												5.95		
			7.00m: trace peaty sand lense up to 20mm thick				D	W		ES		7.00	PID	<1ppm
													SPT	5,15,23 N=38
												7.45		
		8.35	Peaty SAND (SP): dark grey and brown; fine to medium.		EST					ES		8.00	PID	<1ppm
													SPT	16,18,30 N=48
										ES		8.35		<1ppm
												8.45	PID	
		9.00	Silty SAND (SM): brown; fine to medium; with peaty sand bands, up to 300mm thick; slight to moderate sulphuric odour.		EST					ES		9.00	SPT	17,17,16 N=33
														<1ppm
												9.45	PID	

NOTES: [#]Soil origin is "probable" unless otherwise stated. [^]Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.25m, AD/T to 5.5m, WB to 20.0 m
CASING: HW to 5.5m

REMARKS: *Field replicate BD1/20230905 taken from 0.6-0.8m, BD2/20230905 taken from 1.5-1.7m, BD3/20230905 taken from 2.0-2.2m and BD4/20230905 taken from 5.0-5.2m

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334639.3, N:6241749.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 203
PROJECT No: 219609.02
DATE: 05/09/23
SHEET: 2 of 3

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	11	[CONT] Silty SAND (SM): brown; fine to medium; with peaty sand bands, up to 300mm thick; slight to moderate sulphuric odour.			D			ES		10.45	PID SPT	2ppm 8,20,30 N=50
	11	From 11.00m: decreasing peaty sand lenses						ES		11.00 11.45	PID SPT	2ppm 9,15,16 N=31
	12							ES		12.00 12.45	PID SPT	2ppm 15,25,26 N=51
	13	From 13.00m: grey-brown		EST	VD	W		ES		13.00 13.34	PID SPT	<1ppm 25,44,15/40 (HB)
	14	From 14.00m: brown and dark brown; with peaty sand band, approximately 200mm thick			D			ES		14.00 14.45	SPT PID	5,19,23 N=42 <1ppm
	15				VD			ES		15.00 15.30	PID SPT	<1ppm 10,35 (HB)
	16							ES		16.00 16.30	PID SPT	<1ppm 16,38 (HB)
	16.80 17	Peaty CLAY (OL): dark grey and brown; low to medium plasticity; trace iron stained laminations; strong sulphuric odour.		EST	VSt	w=PL		ES		17.00 17.45	PID SPT	1ppm 5,7,12 N=19
	18									18		
	18.20 19	Silty SAND (SM): grey-brown; fine to medium.		EST	VD	W		ES		18.50 18.80	PID SPT	<1ppm 16,38 (HB)
										19		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.25m, AD/T to 5.5m, WB to 20.0 m
CASING: HW to 5.5m

REMARKS: *Field replicate BD1/20230905 taken from 0.6-0.8m, BD2/20230905 taken from 1.5-1.7m, BD3/20230905 taken from 2.0-2.2m and BD4/20230905 taken from 5.0-5.2m

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334639.3, N:6241749.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 203
PROJECT No: 219609.02
DATE: 05/09/23
SHEET: 3 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	19.99	Silty SAND (SM): grey; medium.		EST	VD	W		ES		20.22	PID SPT	<1ppm 35,25 (HB)
		Borehole discontinued at 20.22m depth. Target depth reached.										

NOTES: [#]Soil origin is "probable" unless otherwise stated. [^]Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.25m, AD/T to 5.5m, WB to 20.0 m
CASING: HW to 5.5m
REMARKS: *Field replicate BD1/20230905 taken from 0.6-0.8m, BD2/20230905 taken from 1.5-1.7m, BD3/20230905 taken from 2.0-2.2m and BD4/20230905 taken from 5.0-5.2m

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334634.9, N:6241693.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 204
PROJECT No: 219609.02
DATE: 04/09/23
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.11	CONCRETE			NA			ES		0.15	PID	2ppm
			FILL / SAND: brown; fine to medium; trace metal fragments, iron cemented nodules . From 0.50m: pale grey and brown		FILL	ND			ES		0.25 0.50 0.70	PID	2ppm
	9	1.00	SAND (SP): pale yellow-brown; fine to medium; with weakly cemented dark brown bands. From 1.20m: dark brown						ES		1.00	PID	1ppm
												SPT	2,3,3 N=6
								*	ES		1.50	PID	<1ppm
	8	2									1.70		
								*	ES		2.00	PID	<1ppm
			From 2.50m: grading to pale grey			L	M				2.20 2.50	PID	<1ppm
									ES			SPT	2,3,4 N=7
	7	3							ES		3.00	PID	<1ppm
											3.20		
									ES		3.50	PID	<1ppm
											3.70		
	6	4			AEO				ES		4.00	PID	<1ppm
												SPT	3,9,12 N=21
								*	ES		4.50	PID	<1ppm
▼ 04/09/23	5	5				MD					4.70		
								*	ES		5.00	PID	<1ppm
											5.20		
	4	6							ES		5.50	PID	<1ppm
						D						SPT	5,15,19 N=34
											5.95		
	3	7.00	SAND (SP): pale grey; fine; trace peaty clay lenses, typically 5mm thick; slight sulphuric odour.		EST		W		ES		7.00	PID	<1ppm
												SPT	13,23,36 N=59
						VD					7.45		
	2	8.00	Peaty SAND (SP): grey and brown; fine to medium; with clay; moderate sulphuric odour, slight hydrocarbon odour.		EST				ES		8.00	PID	2ppm
												SPT	16,41,25/80 (HB)
											8.38		
	1	9.00	Silty SAND (SM): brown; fine to medium; with peaty clay; moderate to strong sulphuric odour, slight hydrocarbon odour; possible hydrocarbon staining.		EST	D			ES		9.00	SPT	11,19,21 N=40 5ppm
											9.45	PID	
	0					VD							

NOTES: (#)Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

Generated with CORE-GS by Geroc - Soil Log

PLANT: EXPLORA
OPERATOR: Ground Test (SS)
LOGGED: ZW
METHOD: DT to 0.11m, AD/T to 5.5m, WB to 20.0m
CASING: HW to 5.5m

REMARKS: *Field replicate BD1/20230904 taken from 1.5-1.7m, BD2/20230904 taken from 2.0-2.2m, BD3/20230904 taken from 4.5-4.7m, BD4/20230904 taken from 5.0-5.2m and BD5/20230904 taken from 17- 17.45m

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334634.9, N:6241693.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 204
PROJECT No: 219609.02
DATE: 04/09/23
SHEET: 2 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	11	[CONT] Silty SAND (SM): brown; fine to medium; with peaty clay; moderate to strong sulphuric odour, slight hydrocarbon odour; possible hydrocarbon staining.		EST	VD			ES		10.45	PID SPT	<1ppm 12,25,38 N=63
		From 11.00m: slight hydrocarbon and sulphuric odour						ES		11.00 11.45	PID SPT	5ppm 16,28,44 N=72
	12.00	SAND (SP): brown; fine to medium; with peat, dark brown peaty clay bands, typically 50mm thick.			D			ES		12.00 12.45	PID SPT	<1ppm 17,24,18 N=42
	13	From 13.30m: dark grey and brown; with peaty clay bands, up to 200mm thick; moderate sulphuric odour			VD	W		ES ES		13.00 13.30 13.41	PID SPT PID	2ppm 11,15,25/110 (HB) <1ppm
	14			EST	D			ES		14.00 14.45	SPT PID	10,20,27 N=47 <1ppm
	15	From 15.00m: brown; slight sulphuric odour			VD			ES		15.00 15.36	PID SPT	<1ppm 20,37,25/60 (HB)
	16							ES		16.00 16.45	PID SPT	<1ppm 15,27,30 N=57
	16.80 17	Peaty CLAY (OL): dark grey and brown; low to medium plasticity; trace iron stained laminations and iron-stained gravel; strong sulphuric odour.		EST	VSt	w=PL		* ES		17.00 17.45	PID SPT	5ppm 4,8,17 N=25
	17.90 18	SAND (SP): grey; fine to medium; trace carbonaceous clasts and peaty sand lenses (typically 10-20mm thick); slight sulphuric odour.								18		
	19			EST	VD	W		ES		18.50 18.87 19	PID SPT	<1ppm 27,42,25/70 (HB)

NOTES: (#)Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (SS)
LOGGED: ZW
METHOD: DT to 0.11m, AD/T to 5.5m, WB to 20.0m
CASING: HW to 5.5m

REMARKS: *Field replicate BD1/20230904 taken from 1.5-1.7m, BD2/20230904 taken from 2.0-2.2m, BD3/20230904 taken from 4.5-4.7m, BD4/20230904 taken from 5.0-5.2m and BD5/20230904 taken from 17-17.45m

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334634.9, N:6241693.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 204
PROJECT No: 219609.02
DATE: 04/09/23
SHEET: 3 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	9.9 / 0	[CONT] SAND (SP): grey; fine to medium; trace carbonaceous clasts and peaty sand lenses (typically 10-20mm thick); slight sulphuric odour.		EST	VD	W		ES		20.40	PID SPT	<1ppm 24,36,25/100 (HB)
	-11 / 21	Borehole discontinued at 20.40m depth. Target depth reached.										
	-12 / 22											
	-13 / 23											
	-14 / 24											
	-15 / 25											
	-16 / 26											
	-17 / 27											
	-18 / 28											
	-19 / 29											
	0											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (SS)
LOGGED: ZW
METHOD: DT to 0.11m, AD/T to 5.5m, WB to 20.0m
CASING: HW to 5.5m

REMARKS: *Field replicate BD1/20230904 taken from 1.5-1.7m, BD2/20230904 taken from 2.0-2.2m, BD3/20230904 taken from 4.5-4.7m, BD4/20230904 taken from 5.0-5.2m and BD5/20230904 taken from 17- 17.45m

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334622.3, N:6241631.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 205
PROJECT No: 219609.02
DATE: 07/09/23
SHEET: 1 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*]	DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
07/09/23 No free groundwater observed whilst augering		0.23	CONCRETE			NA				ES		0.25	PID	<1ppm
			FILL / SAND: brown, pale grey and grey; fine to medium; with fine to medium igneous and sandstone gravel; trace clay.		FILL	ND				ES		0.50	PID	<1ppm
		0.70	SAND (SP): pale grey; fine to medium; with brown and dark brown weakly cemented bands typically 20-50 mm thick.		AEO	VL to L		D		ES		0.90	PID	<1ppm
												1.00	PID	<1ppm
										ES			SPT	2,2,2 N=4
												1.45		
		2.60	SAND (SP): pale brown and pale grey; fine to medium.			L				ES		2.50	PID	<1ppm
													SPT	1,2,3 N=5
												2.95		
					AEO			M		ES		4.00	SPT	2,6,8 N=14
						MD						4.45	PID	<1ppm
										ES		5.50	PID	<1ppm
													SPT	2,10,15 N=25
		6.70	Silty SAND (SM): grey and dark grey; fine to medium; with peaty sand bands typically 20-50 mm thick; moderate sulphuric odour.					W		ES		5.95		
												6.50	PID	<1ppm
										ES			SPT	20,33/150 (R)
												6.80		
					EST	VD				ES		8.00	PID	3ppm
													SPT	19,31/150 (R)
												8.30		
										ES		9.00	SPT	21,36/150 (R)
												9.30	PID	6ppm

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: DT to 0.23m, AD/T to 5.5m, WB to 19.9m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: JS
CASING: HW to 5.5m

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Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334622.3, N:6241631.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 205
PROJECT No: 219609.02
DATE: 07/09/23
SHEET: 2 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	10.00	[CONT] Silty SAND (SM): grey and dark grey; fine to medium; with peaty sand bands typically 20-50 mm thick; moderate sulphuric odour.			D			ES		10.45	SPT PID	12,19,28 N=47 14ppm
	11	Silty SAND (SM): brown and dark brown; trace peaty sand bands, typically 20-50mm thick; moderate sulphuric odour.		EST				ES		11.00 11.30	PID SPT	3ppm 26,43/150 (R)
	11.50	SAND (SP): brown, grey and pale brown; fine to medium; trace peaty sand bands, typically 20-50 mm thick; moderate sulphuric odour.						ES		12.00 12.30	PID SPT	3ppm 16,33/150 (R)
	13				VD	W		ES		13.00 13.45	PID SPT	2ppm 14,25,25 N=50
	14	From 14.00m: slight sulphuric odour		EST				ES		14.00 14.30	PID SPT	<1ppm 20,35/150 (R)
	15							ES		15.00 15.45	SPT PID	16,20,25 N=45 <1ppm
	16							ES		16.00 16.45	PID SPT	4ppm 16,14,11 N=25
	16.40	Peaty Silty CLAY (OL): dark grey; low to medium plasticity; with peat layers up to 100 mm thick; moderate sulphuric odour.		EST	VSt	w<PL		ES		17.00 17.45	PID SPT	4ppm 6,11,14 N=25
	17.70 18	SAND (SP): grey; fine to medium; trace clay and peaty sand.								18		
	19			EST	VD	W		ES		18.50 18.80	PID SPT	<1ppm 24,38/150 (R)
										19		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: DT to 0.23m, AD/T to 5.5m, WB to 19.9m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: JS
CASING: HW to 5.5m

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334622.3, N:6241631.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 205
PROJECT No: 219609.02
DATE: 07/09/23
SHEET: 3 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	20	[CONT] SAND (SP): grey; fine to medium; trace clay and peaty sand.		EST	VD	W		ES		20.25	SPT	28,25/100 (HB) No Recovery
		Borehole discontinued at 20.25m depth. Target depth reached.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: DT to 0.23m, AD/T to 5.5m, WB to 19.9m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: JS
CASING: HW to 5.5m

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334715.0, N:6241742.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 206
PROJECT No: 219609.02
DATE: 08/09/23
SHEET: 1 of 2

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.15	CONCRETE			NA				ES		0.15	PID	1ppm
		0.30	FILL / SAND: pale grey; fine to medium; trace igneous and ironstone gravel, clinker and decomposed organics.		FILL	ND						0.25		
			SAND (SP): pale grey; fine to medium.							* ES		0.50	PID	<1ppm
												0.70		
							L			ES		1.00	PID	<1ppm
													SPT	2,4,5 N=9
										* ES		1.50	PID	<1ppm
												1.70		
										* ES		2.00	PID	<1ppm
												2.20		
							MD	M		ES		2.50	PID	<1ppm
													SPT	4,9,14 N=23
										ES		3.00	PID	<1ppm
					AEO							3.20		
										ES		3.50	PID	<1ppm
												3.70		
										ES		4.00	PID	<1ppm
													SPT	2,19,24 N=43
▼ 08/09/23												4.45		
										* ES		5.00	PID	<1ppm
												5.20		
										ES		5.50		
													SPT	6,16,21 N=37
							D					5.95		
		6.50	Silty SAND (SM): grey; fine to medium; slight sulphuric odour.							ES		6.50	PID	<1ppm
													SPT	16,21,26 N=47
								W				6.95		
										ES		8.00		
			From 8.35m: with peaty sand bands, typically 50-200mm thick		EST								SPT	20,18,25 N=43
										ES		8.35		<1ppm
												8.45	PID	<1ppm
													PID	
										ES		9.50	PID	<1ppm
							VD						SPT	18,31 (HB)
												9.80		

NOTES: [#]Soil origin is "probable" unless otherwise stated. [^]Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.15m, AD/T to 5.5m, WB to 19.5m
CASING: HW to 5.5m

REMARKS: *Field replicate BD1/20230908 taken from 0.5-0.7m, BD2/20230908 taken from 1.5-1.7m, BD3/20230908 taken from 2.0-2.2m and BD4/20230908 taken from 5.0-5.2m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334715.0, N:6241742.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 206
PROJECT No: 219609.02
DATE: 08/09/23
SHEET: 2 of 2

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
			[CONT] Silty SAND (SM): grey; fine to medium; slight sulphuric odour.		EST	VD							
		11.00	Silty SAND (SM): brown; fine to medium; with peaty sand bands, typically 50-200m thick.			D			ES		11.00	PID	<1ppm
											11.45	SPT	11,16,12 N=28
		12				VD					12		
									ES		12.50	PID	<1ppm
											12.73	SPT	25,27/80 (HB)
		13					W				13		
					EST								
		14	From 14.00m: moderate sulphuric odour						ES		14.00	PID	1ppm
											14.45	SPT	10,14,25 N=39
						D							
		15	15.20m: peaty sand lense						ES		15.00	PID	2ppm
											15.45	SPT	4,13,24 N=37
		16									16		
		16.50	Peaty CLAY (OL): dark grey; low to medium plasticity; moderate sulphuric odour.		EST	H	w=PL		ES		16.50	PID	4ppm
											16.95	SPT	5,18,18 N=36
		17											
		17.80	SAND (SP): brown and grey; fine to medium; trace peaty sand bands, typically 50mm thick; slight sulphuric odour.						ES		18.00	PID	<1ppm
											18.30	SPT	22,25,13 N=38
		18											
					EST	D to VD	W						
		19									19		
			Borehole discontinued at 19.88m depth. Target depth reached.						ES		19.50	PID	<1ppm
											19.88	SPT	16,24,20/80 (HB)

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.15m, AD/T to 5.5m, WB to 19.5m
CASING: HW to 5.5m

REMARKS: *Field replicate BD1/20230908 taken from 0.5-0.7m, BD2/20230908 taken from 1.5-1.7m, BD3/20230908 taken from 2.0-2.2m and BD4/20230908 taken from 5.0-5.2m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.7 AHD
COORDINATE: E:334702.1, N:6241599.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 207
PROJECT No: 219609.02
DATE: 31/08/23
SHEET: 1 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
		0.18	CONCRETE			NA							
		0.50	FILL / Silty SAND: grey and brown; fine to medium; trace slag, clinker, ironstone and sandstone gravel.		FILL	ND			ES	0.50–0.70	0.50	PID	<1ppm
			SAND (SP): pale brown; fine to medium; with some weakly cemented bands, up to 30mm thick.			L			ES	0.70–1.00	1.00	PID	<1ppm
			From 1.50m: pale grey and brown						ES	1.00–1.45		SPT	3,3,5 N=8
									ES	1.45–1.70	1.45	PID	<1ppm
			From 2.50m: pale yellow-brown			MD	M		ES	1.70–2.00	2.00	PID	<1ppm
									ES	2.00–2.20	2.50	PID	<1ppm
			From 4.15m: pale grey		AEO	D			ES	2.20–2.50		SPT	3,4,6 N=10
									ES	2.50–2.95	2.95	PID	<1ppm
									ES	2.95–3.20			
									ES	3.20–3.50	3.50	PID	<1ppm
									ES	3.50–3.70			
31/08/23			From 6.50m: minor silty clay laminations						ES	3.70–4.00	4.00	SPT	3,13,17 N=30
									ES	4.00–4.45	4.45	PID	<1ppm
			7.50m: peaty clay lense			VD	W		ES	4.45–4.70		PID	
			From 8.00m: dark grey and grey; moderate sulphuric odour						ES	4.70–5.00	5.00	PID	<1ppm
									ES	5.00–5.20			
									ES	5.20–5.50	5.50	PID	<1ppm
									ES	5.50–5.95		SPT	3,12,20 N=32
		9.00	Silty SAND (SM): brown; fine; moderate sulphuric odour.		EST	D			ES	5.95–6.50	6.50	PID	<1ppm
						VD			ES	6.50–6.95		SPT	13,24,32 N=56
									ES	6.95–8.00	8.00	PID	<1ppm
									ES	8.00–8.45		SPT	20,32,42 N=74
									ES	8.45–9.00	9.00	SPT	9,13,17 N=30
											9.45	PID	<1ppm

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: DT to 0.18m, AD/T to 5.5m, WB to 20.0m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: ZW
CASING: HW to 5.5m

Generated with CORE-GS by Geroc - Soil Log

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.7 AHD
COORDINATE: E:334702.1, N:6241599.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 207
PROJECT No: 219609.02
DATE: 31/08/23
SHEET: 2 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
			[CONT] Silty SAND (SM): brown; fine; moderate sulphuric odour.			VD			ES		10.45	PID SPT	<1ppm 12,21,39 N=60
		11	From 11.00m: brown; trace silty clay bands						ES		11.00 11.45	PID SPT	<1ppm 20,35,38 N=73
		12	12.43m: grey-brown; with clay bands and iron indurated bands		EST	D	W		ES		12.00 12.45	PID SPT	<1ppm 19,21,14 N=35
		13	From 13.00m: pale grey brown; no odour			VD			ES		13.00 13.45	PID SPT	<1ppm 20,38,42 N=80
		14							ES		14.00 14.45	SPT PID	23,33,34 N=67 <1ppm
		14.80	Peaty CLAY (OL): dark grey; low plasticity; trace iron cemented bands, moderate to strong sulphuric odour.		EST	St	w=PL		ES		15.00 15.45	PID SPT	10ppm 3,6,9 N=15
		16							ES ES		16.00 16.20 16.45	PID SPT PID	10ppm 4,10,21 N=31 <1ppm
		16.20	Silty SAND (SM): grey; fine to medium.										
		17	From 17.00m: grey-brown; trace sandy peat lenses; slight sulphuric odour						ES		17.00 17.45	PID SPT	<1ppm 15,19,25 N=44
		18			EST	VD	W				18		
			From 18.50m: decreasing peat lenses; no odour						ES		18.50 18.89	PID SPT	<1ppm 21,35,25/90 (HB)
		19									19		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: DT to 0.18m, AD/T to 5.5m, WB to 20.0m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: ZW
CASING: HW to 5.5m

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.7 AHD
COORDINATE: E:334702.1, N:6241599.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 207
PROJECT No: 219609.02
DATE: 31/08/23
SHEET: 3 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	-11 / 21	[CONT] Silty SAND (SM): grey; fine to medium.		EST	VD	W		ES			PID SPT	<1ppm 30,49,25/80 (HB)
		Borehole discontinued at 20.38m depth. Target depth reached.										
	-12 / 22											
	-13 / 23											
	-14 / 24											
	-15 / 25											
	-16 / 26											
	-17 / 27											
	-18 / 28											
	-19 / 29											
	-20											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: DT to 0.18m, AD/T to 5.5m, WB to 20.0m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: ZW
CASING: HW to 5.5m

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334750.8, N:6241671.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 208
PROJECT No: 219609.02
DATE: 30/08/23
SHEET: 1 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.14	CONCRETE: 6mm reinforcement at 0.09m											
			FILL / SAND: brown; fine to medium; trace fine to medium igneous and ironstone gravel and glass fragments.		FILL	(VL) to (L)				ES		0.20	PID	12ppm
			From 0.40m: dark brown with yellow specks, slight hydrocarbon odour							ES		0.40		
										ES		0.50	PID	12ppm
										ES		0.70		
										ES		0.80	PID	12ppm
										ES		1.00	PID	<1ppm
										ES			SPT	2,2,2 N=4
			1.45m: ACM fragment							ES		1.50	PID	<1ppm
		1.70								ES		1.70		
			SAND (SP): pale grey; fine to medium.					M		ES		1.80	PID	<1ppm
										ES		2.00		
										ES		2.30	PID	<1ppm
										* ES		2.50		
					AEO					ES			SPT	2,2,2 N=4
										ES		2.80		<1ppm
			From 3.00m: grey				L			ES		3.00	PID	<1ppm
										ES			PID	
										ES		3.30	PID	<1ppm
		3.60								ES		3.50		
			Silty SAND (SM): dark brown; fine.							ES		3.80	PID	<1ppm
										ES		4.00		
										ES			SPT	3,4,5 N=9
								D		ES		4.30		<1ppm
										ES		4.50	PID	
										ES		4.80	PID	<1ppm
										ES		5.00		
▼										ES		5.30	PID	<1ppm
30/08/23							MD			ES		5.50		
					AEO possibly EST					ES			SPT	2,8,15 N=23
												5.95		
			From 6.50m: brown, minor interbedded peat and clay lenses, slight sulphuric odour							ES		6.50	PID	<1ppm
										ES			SPT	3,13,21 N=34
												6.95		
							D							
			From 7.70m: dark brown, with peaty silt, slight to moderate sulphuric odour, possible hydrocarbon staining and hydrocarbon odour					W		ES		7.50	SPT	8,16,23 N=39
														<1ppm
		8.00										7.95	PID	
			SAND (SP): pale grey; fine to medium; trace dark grey silty sand lenses; slight to moderate sulphuric odour.							ES		8.50	PID	<1ppm
					EST		VD			ES			SPT	21,35,41 N=76
												8.95		
													SPT	25,30 (HB) no recovery

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.14m, AD/T to 5.5m, WB to 20.0m
CASING: HW to 5.5m
REMARKS: *Field replicate BD1/20230830 taken from 2.3-2.5m. Material sample PACM3 collected from 1.45m. ACM = asbestos containing material

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334750.8, N:6241671.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 208
PROJECT No: 219609.02
DATE: 30/08/23
SHEET: 2 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	11 / 1	[CONT] SAND (SP): pale grey; fine to medium; trace dark grey silty sand lenses; slight to moderate sulphuric odour.			VD			ES		10.50 10.75	PID SPT	<1ppm 35,45/100 (HB)
	12 / 2			EST		W		ES		11.50 11.80	PID SPT	<1ppm 29,38 (HB)
	13 / 3	From 13.00m: grey, with peaty clay lenses, moderate sulphuric odour			D			ES		12.50 12.85	SPT PID	8,35,22/50 (HB) <1ppm
	14 / 4				VD			ES ES		13.50 13.60 13.95	SPT PID PID	5,17,20 N=37 <1ppm <1ppm
	15 / 5							ES		14.50 14.85	PID SPT	<1ppm 21,32,14/50 (HB)
	15.50	Peaty CLAY (OL): dark grey; low to medium plasticity; trace sand; strong sulphuric odour.		EST	VSt	w=PL		ES		15.50 15.95	PID SPT	<1ppm 5,7,11 N=18
	16 / 6											
	16.50	Silty SAND (SM): grey and brown; fine; with interbedded peaty clay lenses; trace iron cemented bands; moderate to strong sulphuric odour.										
	17 / 7				D to VD			ES		17.00 17.45	PID SPT	<1ppm 13,12,18 N=30
	18 / 8			EST		W						
	19 / 9				VD			ES		18.50 18.95	SPT PID	14,28,36 N=64 <1ppm

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.14m, AD/T to 5.5m, WB to 20.0m
CASING: HW to 5.5m
REMARKS: *Field replicate BD1/20230830 taken from 2.3-2.5m. Material sample PACM3 collected from 1.45m. ACM = asbestos containing material

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334750.8, N:6241671.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 208
PROJECT No: 219609.02
DATE: 30/08/23
SHEET: 3 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	-11 / 21	[CONT] Silty SAND (SM): grey and brown; fine; with interbedded peaty clay lenses; trace iron cemented bands; moderate to strong sulphuric odour.		EST	VD	W		ES		20.45	SPT	17,31,40 N=71 no recovery
		Borehole discontinued at 20.45m depth. Target depth reached.										
	-12 / 22											
	-13 / 23											
	-14 / 24											
	-15 / 25											
	-16 / 26											
	-17 / 27											
	-18 / 28											
	-19 / 29											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: DT to 0.14m, AD/T to 5.5m, WB to 20.0m
CASING: HW to 5.5m
REMARKS: *Field replicate BD1/20230830 taken from 2.3-2.5m. Material sample PACM3 collected from 1.45m. ACM = asbestos containing material

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.1 AHD
COORDINATE: E:334778.3, N:6241616.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 209
PROJECT No: 219609.02
DATE: 11/09/23
SHEET: 1 of 2

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
11/09/23 No free groundwater observed whilst augering	10	0	FILL / Silty SAND: dark grey and brown; fine to medium; low plasticity silt; with fine to coarse igneous and sandstone gravels; trace concrete fragments, slag, clinker, ash and resin (white and yellow acrylic in appearance) and rootlets; possibly hydrocarbon stained; slight hydrocarbon odour; grass cover.						A/ES		0.20	PID	4ppm
											0.50	PID	13ppm
									ES		0.70		
	9	1									1.00		
									ES		1.45	SPT PID	5,6,5 N=11 20ppm
	8	2	2.00m: ACM fragment						ES		2.00	PID	14ppm
											2.20		
			From 2.50m: with clay and concrete rubble; moderate chemical odour				M		ES		2.50	PID SPT	137ppm 9,15,17/100 (HB)
	7	3			FILL	VC					2.90		
									ES		3.50	PID	160ppm
											3.70		
	6	4	From 4.00m: decreasing anthropogenic inclusions						ES		4.00	SPT PID	3,8,4 N=12 150ppm
	5	5	From 5.00m: no observable anthropogenic inclusions; trace rootlets						ES		4.45 5.00	PID	267ppm
											5.20		
	4	6							ES		5.50	PID SPT	107ppm 3,2,2 N=5
											5.95		
	3	6.50	SAND (SP): pale grey-brown; fine to medium; slight chemical and hydrocarbon odour.		EST possibly AEO	MD			ES		6.50	PID SPT	12ppm 7,11,11 N=22
		7					W				6.95		
	2	8.00	Silty SAND (SM): brown and dark brown; with interbedded peaty sand bands, up to 200mm thick; slight hydrocarbon odour.		EST	VD			ES		8.00	PID SPT	<1ppm 12,25/150 (HB)
											8.30		
	1	9				D			ES		9.00	SPT PID	10,15,16 N=31 <1ppm
						VD					9.45		

BACKFILL: Bentonite
WELL PIPE

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: AD/T to 5.5m, WB to 19.5m
CASING: HW to 5.5m
REMARKS: Material sample PACM4 collected from 2.0m. ACM = asbestos containing material

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.1 AHD
COORDINATE: E:334778.3, N:6241616.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 209
PROJECT No: 219609.02
DATE: 11/09/23
SHEET: 2 of 2

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	0	0	[CONT] Silty SAND (SM): brown and dark brown; with interbedded peaty sand bands, up to 200mm thick; slight hydrocarbon odour.						ES		10.00	PID	<1ppm		
											10.45	SPT	12,22,24 (HB)		
	-1	11							ES		11.00	PID	<1ppm		
											11.30	SPT	14,26/150 (HB)		
			From 11.00m: grey-brown; slight sulphuric odour			VD									
	-2	12	From 12.00m: brown; decreasing peaty sand bands		EST		W		ES		12.00	PID	<1ppm		
											12.45	SPT	9,13,20 (HB)		
	-3	13				D			ES		13.00	SPT	10,16,19 N=35		
											13.45	PID	<1ppm		
	-4	14	From 14.00m: pale grey-brown			VD			ES		14.00	SPT	7,31/150 (HB)		
											14.30	PID	<1ppm		
		14.50	Peaty CLAY (OL): dark grey; low to medium plasticity; moderate sulphuric odour.												
	-5	15	From 15.20m: grading into peaty sand; strong sulphuric odour		EST	St to VSt	w=PL		ES		15.00	PID	4ppm		
											15.20	SPT	7,5,10 (HB)		
									ES		15.45	PID	<1ppm		
		15.50	SAND (SP): grey-brown; fine to medium; slight sulphuric odour.												
	-6	16									16				
									ES		16.50	PID	<1ppm		
											16.73	SPT	28,25/80 (R)		
	-7	17				VD					17				
					EST		W								
	-8	18							ES		18.00	PID	<1ppm		
											18.25	SPT	23,25/100 (HB)		
	-9	19									19				
			From 19.50m: grey			D									
			Borehole discontinued at 19.95m depth. Target depth reached.						ES		19.50	PID	<1ppm		
												SPT	11,19,28 N=47		

Bentonite
Gravel

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
OPERATOR: Ground Test (DB)
LOGGED: ZW
METHOD: AD/T to 5.5m, WB to 19.5m
CASING: HW to 5.5m
REMARKS: Material sample PACM4 collected from 2.0m. ACM = asbestos containing material

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 8.7 AHD
COORDINATE: E:334788.1, N:6241582.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 210
PROJECT No: 219609.02
DATE: 12/09/23
SHEET: 1 of 2

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
12/09/23 No free groundwater observed whilst augering	8	0	FILL / Silty SAND: dark grey and brown; fine to medium; low plasticity silt; with fine to coarse igneous and sandstone gravel and concrete; trace slag, clinker, rootlets; possibly hydrocarbon stained; slight hydrocarbon odour.		FILL	VC	M		ES		0.20	PID	5ppm		
									ES		0.50	PID	9ppm		
											0.70				
	1	1	1.20m: sandstone cobble (possible boulder)						ES		1.00	PID SPT	<1ppm 11,8/70 (HB)		
	7										1.45				
	2	2							ES		2.00	PID	7ppm		
											2.20				
	6								ES		2.50	PID SPT	12ppm 4,2,3 (HB)		
	3	3									2.95				
	5		From 3.50m: trace wire mesh; moderate hydrocarbon and slight chemical odour; hydrocarbon stained						ES		3.50	PID	11ppm		
											3.70				
	4	4	4.00m: possible boulder sized inclusion						ES		4.00	PID	6ppm		
											4.20				
	4		From 4.50m: possible void				W								
	5	5									5				
	3								ES		5.50	SPT	3,5,5 N=10		
		5.80							ES		5.80	PID	<1ppm		
	6	6	SAND (SP): grey and dark grey; fine to medium; hydrocarbon stained; slight to moderate hydrocarbon odour.		EST possibly AEO	MD	NDF		ES		5.95	PID PID	<1ppm	Bentonite	
	2														
	7	7							ES		7.00	PID SPT	<1ppm 11,15,19 N=34		
	1										7.45				
	8	8									8				
	0	8.50	Silty SAND (SM): brown and dark brown; with interbedded peaty sand bands, up to 200mm thick; moderate sulphuric odour and slight hydrocarbon odour.		EST	VD			ES		8.50	PID SPT	<1ppm 12,10,12 N=22		
	9										8.95				
	-1	9							ES		9.50	PID SPT	<1ppm 8,16,24 (HB)		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: AD/T to 5.5m, WB to 19.5m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: ZW
CASING: HW to 5.5m

Generated with CORE-GS by Geroc - Soil Log

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 8.7 AHD
COORDINATE: E:334788.1, N:6241582.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 210
PROJECT No: 219609.02
DATE: 12/09/23
SHEET: 2 of 2

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS			
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	11.50	[CONT] Silty SAND (SM): brown and dark brown; with interbedded peaty sand bands, up to 200mm thick; moderate sulphuric odour and slight hydrocarbon odour.		EST				ES		9.95 10.50 10.80	SPT PID	16,30/150 (HB) <1ppm		
	11.50	Silty SAND (SM): pale brown and pale grey; fine to medium; trace interbedded dark brown peaty sand bands, up to 50mm thick; slight to moderate sulphuric odour.		EST	VD	NDF		ES		11.50 11.95	PID SPT	<1ppm 13,18,26 (HB)		
	13.60	Peaty CLAY (OL): dark grey; low to medium plasticity; moderate sulphuric odour.		EST	VSt	w=PL		ES ES		12.50 12.80 13.50 13.60 13.95	PID SPT PID SPT PID	1ppm 16,27/150 (HB) <1ppm 12,10,8 N=18 7ppm	Gravel	
	14.50	SAND (SM): grey and brown; fine to medium; moderate sulphuric odour.		EST	VD	NDF		ES		14.50 14.73	SPT PID	26,25/80 (HB) 1ppm		
								ES		15.50 15.72	PID SPT	<1ppm 28,25/70 (HB)		
								ES		16.50 16.77	PID SPT	<1ppm 20,25/120 (HB)	Bentonite	
		18.00m: peaty clay lense approximately 200mm thick; strong sulphuric odour From 18.20m: becoming grey						ES ES		18.00 18.20 18.41	PID SPT PID	9ppm 6,20,25/110 (HB) 4ppm		
		Borehole discontinued at 19.74m depth. Target depth reached.						ES		19.50	PID SPT	<1ppm 25,25/90 (HB)		

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: EXPLORA
METHOD: AD/T to 5.5m, WB to 19.5m
REMARKS:

OPERATOR: Ground Test (DB)

LOGGED: ZW
CASING: HW to 5.5m

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.1 AHD
COORDINATE: E:334510.7, N:6241744.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH301
PROJECT No: 219609.01
DATE: 17/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
17/08/23 No free groundwater observed	10	0.18	CONCRETE			NA					0.20	PID	<1ppm
		0.40	FILL / SAND: grey-brown; fine to medium; trace rootlets, concrete and sandstone gravel.		FILL	ND	M		ES		0.40		
			FILL / SAND: orange-brown; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		0.50	PID	<1ppm
	9	0.90	SAND: pale grey; fine.		AEO	ND	M		ES		0.70		
											1.00	PID	<1ppm
									ES		1.20		
	8	2	Borehole discontinued at 2.00m depth. Test depth achieved.						ES		1.80	PID	<1ppm
											2.00		

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.18m, PT to 2.0m.
REMARKS: Base of soil vapour implant installed at 0.8m, bentonite backfill 0.9-2.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334534.7, N:6241775.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH302
PROJECT No: 219609.01
DATE: 17/08/23
SHEET: 1 of 2

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
	10	0.18	CONCRETE			NA							
			FILL / SAND: grey-brown and brown; fine to medium; trace slag, igneous and sandstone gravel.		FILL	ND	M		ES		0.20	PID	1ppm
											0.40		
		0.70							ES		0.50	PID	<1ppm
	9		FILL / SAND: dark grey to pale grey; fine to medium; trace sandstone gravel.								0.70		
		1							ES		0.80	PID	<1ppm
											1.00		
					FILL	ND	M		ES		1.30	PID	<1ppm
											1.50		
	8	2							ES		1.80	PID	<1ppm
		2.20									2.00		
			SAND: pale grey and pale brown; fine.						ES		2.30	PID	<1ppm
											2.50		
									ES		2.80	PID	<1ppm
	7	3					M				3.00		
									ES		3.80	PID	<1ppm
	6	4									4.00		
▼ 17/08/23 09:00													
Free groundwater observed below 4.6m depth									ES	*	4.80	PID	<1ppm
	5	5									5.00		
					AEO	ND			ES		5.80	PID	<1ppm
	4	6	From 6.50m: slight sulphuric odour								6.00		
									ES		6.80	PID	<1ppm
	3	7					W				7.00		
									ES		7.80	PID	<1ppm
	2	8									8.00		
									ES		8.80	PID	<1ppm
	1	9									9.00		
		9.60											
			SAND: dark grey; fine; strong sulphuric odour.		EST	ND	W		ES		9.80	PID	<1ppm

BACKFILL: Sand; Bentonite; Gravel
WELL PIPE

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.18m, PT to 6.0m, HSA to 11.6m.
CASING: Uncased
REMARKS: *Field replicate BD1/20230817 taken from 4.8-5.0m. Borehole collapse 7.2-11.6m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334534.7, N:6241775.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH302
PROJECT No: 219609.01
DATE: 17/08/23
SHEET: 2 of 2

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS			
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	0 / 10	[CONT] SAND: dark grey; fine; strong sulphuric odour.		EST	ND		W				10.00				
	-1 / 11								ES		10.80	PID	<1ppm		
	11.30										11.00				
		CLAY, with sand: dark grey; medium to high plasticity; fine sand; strong sulphuric odour.		EST	ND		w>PL		ES		11.50	PID	<1ppm		
		Borehole discontinued at 11.60m depth. Target depth achieved.									11.60				
	-2 / 12														
	-3 / 13														
	-4 / 14														
	-5 / 15														
	-6 / 16														
	-7 / 17														
	-8 / 18														
	-9 / 19														

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.18m, PT to 6.0m, HSA to 11.6m.
CASING: Uncased
REMARKS: *Field replicate BD1/20230817 taken from 4.8-5.0m. Borehole collapse 7.2-11.6m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334549.2, N:6241750.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH303
PROJECT No: 219609.01
DATE: 17/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]/ DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.17	CONCRETE			NA			ES		0.20	PID	3ppm
			FILL / SAND: grey-brown; fine to medium; trace slag and asphaltic concrete.		FILL	ND	M		ES		0.40 0.70	PID	3ppm
									ES		0.90 1.20	PID	3ppm
		1.70	FILL / SAND: pale grey and brown; fine.		FILL	ND	M		ES		1.40 1.70	PID	4ppm
		2.00	FILL / SAND: dark brown to brown; fine; trace ash and sandstone gravel.		FILL	ND	M		ES		1.90 2.10	PID	3ppm
									ES		2.30 2.60	PID	4ppm
		2.90	SAND: pale grey; fine.		AEO	ND	M		ES		2.80 3.00	PID	<1ppm
									ES		3.20 3.80	PID	<1ppm
▼			From 4.85m: slight sulphuric odour				W		* ES		4.00 4.80	PID	<1ppm
		5.00	Borehole discontinued at 5.00m depth. Target depth achieved.								5.00		

Free groundwater observed below 4.85m depth 17/08/23 09:00

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ

METHOD: DT to 0.17m, PT to 5.0m.
CASING: Uncased

REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS. *Field replicate BD2/20230817 taken from 4.8-5.0m depth. Base of soil vapour implant installed at 1.0m, bentonite backfill 1.1-5.0m.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334545.1, N:6241734.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH304
PROJECT No: 219609.01
DATE: 17/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	0.18	CONCRETE			NA					0.20	PID	4ppm
	0.30	FILL / Gravelly SAND: dark grey; fine to coarse; fine to medium, igneous gravel; trace slag.		FILL	ND	M		ES		0.30	PID	2ppm
		FILL / SAND: grey-brown; fine; trace ash and sandstone gravel.		FILL	ND	M		ES		0.50		
	1.60	SAND: pale grey; fine.						ES		0.80	PID	1ppm
								ES		1.00		
								ES		1.30	PID	2ppm
								ES		1.50		
								ES		1.70	PID	<1ppm
								ES		1.90		
								ES		2.30	PID	<1ppm
								ES		2.50		
								ES		2.80	PID	<1ppm
						M		ES		3.00		
				AEO	ND			* ES		3.80	PID	<1ppm
								ES		4.00		
								ES		4.30	PID	6ppm
▼ 17/08/23 09:00		From 4.60m-5.50m: grey, strong hydrocarbon odour						ES		4.50	PID	1784ppm
Free groundwater observed below 4.6m depth								ES		4.80	PID	786ppm
								ES		5.00		
						W		ES		5.30	PID	42ppm
								ES		5.50		
								ES		5.80	PID	9ppm
								ES		6.00	PID	3ppm
		Borehole discontinued at 6.00m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.18m, PT to 6.0m.
REMARKS: *Field replicate BD3/20230817 taken from 3.8-4.0m. Base of soil vapour implant installed at 1.0m, bentonite backfill 1.1-6.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334533.1, N:6241714.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH305
PROJECT No: 219609.01
DATE: 22/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
		0.19	CONCRETE			NA									
			FILL / SAND: pale grey and brown; fine; trace sandstone gravel.		FILL	ND	M		ES		0.20	PID	2ppm	Sand	
											0.30				
									ES		0.50	PID	4ppm		
	9	1.00									0.70				
			FILL / SAND: pale grey, brown and dark brown; fine; trace sandstone gravel.		FILL	ND	M		ES		1.00	PID	4ppm		
											1.20				
									ES		1.50	PID	3ppm		
		1.80									1.70				
	8	2	SAND: pale grey; fine.						ES		2.00	PID	<1ppm	Bentonite	
											2.20				
	7	3					M		ES		2.80	PID	<1ppm		
											3.00				
	6	4			AEO	ND			ES		3.80	PID	<1ppm		
▼											4.00				
Free groundwater observed below 4.8m depth 22/08/23	5	5	From 5.50m: slight sulphuric odour						* ES		4.80	PID	20ppm	Gravel	
											5.00				
	4	6					W		ES		5.80	PID	10ppm		
											6.00				
	3	7	Borehole discontinued at 7.00m depth. Target depth achieved.						ES		6.80	PID	5ppm		
											7.00				
	2	8													
	1	9													
	0														

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.19m, PT to 5.0m, HSA to 7.0m.
CASING: Uncased
REMARKS: *Field replicate BD1/20230822 taken from 4.8-5.0m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334548.9, N:6241714.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH306
PROJECT No: 219609.01
DATE: 11/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
11/08/23 No free groundwater observed	0.19	CONCRETE			NA					0.20	PID	2ppm
	9	FILL / SAND: grey-brown; fine to medium; trace ash, sandstone and igneous gravel.		FILL	ND	M		ES		0.30		
	0.70							ES		0.40	PID	<1ppm
	1	FILL / SAND: pale grey and yellow; fine.		FILL	ND	M				0.60		
	1.10							ES		0.80	PID	<1ppm
		FILL / Clayey SAND: dark brown; fine; medium to high plasticity clay.		FILL	ND	M				1.00		
								ES		1.20	PID	<1ppm
	1.70									1.40		
	8	SAND: pale grey-yellow; fine.						ES		1.80	PID	<1ppm
	2									2.00		
	7			AEO	ND	M		ES		2.80	PID	<1ppm
	3									3.00		
	6							ES		3.80	PID	<1ppm
	4									4.00		
		Borehole discontinued at 4.00m depth. Target depth achieved.										
	5											
	4	6										
	3	7										
	2	8										
	1	9										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: Push tube to 4.0m
REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS. Base of soil vapour implant installed at 1.0m, bentonite backfill 1.1-4.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334575.0, N:6241733.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH307
PROJECT No: 219609.01
DATE: 25/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS	BACKFILL	WELL PIPE
		0.18	CONCRETE			NA									
	9	1	FILL / SAND: pale brown and grey; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		0.20	PID	4ppm	Sand	
											0.40				
									ES		0.50	PID	1ppm		
											0.70				
									ES		1.00	PID	2ppm		
											1.20				
		1.40	FILL / SAND: brown to dark brown; fine.		FILL	ND	M		ES		1.50	PID	1ppm		
											1.70				
		1.80	SAND: pale grey and yellow; fine.						ES		1.90	PID	<1ppm		
	8	2									2.10				
	7	3							ES		2.80	PID	<1ppm	Bentonite	
											3.00				
	6	4					M		ES		3.80	PID	<1ppm		
											4.00				
	5	5			AEO	ND			ES		4.80	PID	16ppm		
▼ 25/08/23											5.00				
Free groundwater observed below 5.5m depth	4	6							ES		5.80	PID	<1ppm	Gravel	
											6.00				
	3	7					W		* ES		6.80	PID	<1ppm		
											7.00				
	2	8							ES		7.80	PID	<1ppm		
											8.00				
	1	9	Borehole discontinued at 8.00m depth. Target depth achieved.												

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.18m, PT to 8.0m.
CASING: Uncased

REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS. *Field replicate BD2/20230825 taken from 6.8-7.0m depth. Borehole collapse 7.5-8.0m.

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334590.6, N:6241759.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH308
PROJECT No: 219609.01
DATE: 22/08/23
SHEET: 1 of 2

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.18	CONCRETE			NA			ES		0.20	PID	3ppm
			FILL / SAND: grey brown to dark brown; fine; trace ash, slag, sandstone and igneous gravel.								0.40		
	9	1			FILL	ND	M		ES		0.50	PID	5ppm
											0.70		
									ES		1.00	PID	2ppm
											1.20		
		1.60	SAND: pale grey; fine.						ES		1.70	PID	3ppm
	8	2									1.90		
									ES		2.80	PID	<1ppm
	7	3									3.00		
							M						
					AEO	ND			ES		3.80	PID	2ppm
	6	4									4.00		
▼ 22/08/23 09:00									ES		4.80	PID	<1ppm
Free groundwater observed below 4.9m depth	5	5									5.00		
							W						
	4	6							ES		5.80	PID	1ppm
											6.00		
		6.50	SAND: dark grey; fine.						ES		6.80	PID	1ppm
	3	7									7.00		
					AEO possibly EST	ND	W		ES		7.80	PID	2ppm
	2	8									8.00		
			From 9.50m: sulphuric odour						ES		8.80	PID	2ppm
	1	9									9.00		
									ES		9.80	PID	<1ppm

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ

METHOD: DT to 0.18m, PT to 5.0m, AD/T to 11.0m.
CASING: Uncased

REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334590.6, N:6241759.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH308
PROJECT No: 219609.01
DATE: 22/08/23
SHEET: 2 of 2

CONDITIONS ENCOUNTERED									SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*]	DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
			[CONT] SAND: dark grey; fine.		AEO possibly EST	ND		W				10.00		
		10.80										10.80	PID	<1ppm
	-1	11	CLAY: dark grey; medium to high plasticity; sulphuric odour.		EST	ND		w>PL		ES		11.00		
			Borehole discontinued at 11.00m depth. Target depth achieved.											
	-2	12												
	-3	13												
	-4	14												
	-5	15												
	-6	16												
	-7	17												
	-8	18												
	-9	19												

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.18m, PT to 5.0m, AD/T to 11.0m.
CASING: Uncased
REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334588.1, N:6241732.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH309
PROJECT No: 219609.01
DATE: 16/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	10	0.18	CONCRETE			NA					0.20	PID	7ppm
			FILL / SAND: brown and pale grey; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		0.40		
	9	1							ES		0.50	PID	3ppm
		1.20									0.70		
			SAND: pale grey and some yellow; fine.						ES		0.90 - 1.10	PID	2ppm
									ES		1.20	PID	<1ppm
											1.40		
	8	2							ES		1.80	PID	<1ppm
											2.00		
	7	3					M		ES		2.80	PID	<1ppm
											3.00		
	6	4			AEO	ND			ES		3.80	PID	<1ppm
▼ 16/08/23 09:00											4.00		
Free groundwater observed below 4.7m depth	5	5							ES		4.80	PID	<1ppm
											5.00		
	4	6					W		ES		5.80	PID	<1ppm
											6.00		
	3	7							ES		6.80	PID	<1ppm
		7.60									7.00		
			SAND: dark grey and brown; fine; slight sulphuric odour.		EST	ND	W		ES		7.80	PID	<1ppm
	2	8									8.00		
			Borehole discontinued at 8.00m depth. Target depth achieved.										
	1	9											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.18m, PT to 5.0m, AD/T to 8.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334587.1, N:6241707.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH310
PROJECT No: 219609.01
DATE: 16/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.18	CONCRETE			NA						0.20	PID	5ppm
			FILL / SAND: brown; fine to medium; trace ash and sandstone gravel.		FILL	ND		M		ES		0.40		
		0.70										0.50	PID	4ppm
	9	1	FILL / SAND: pale grey and dark grey; fine; trace sandstone gravel.		FILL	ND		M		ES		0.70		
												0.80	PID	6ppm
										ES		1.00		
												1.20	PID	4ppm
		1.50	SAND: grey, pale grey and yellow; fine.							ES		1.40		
												1.60	PID	1ppm
	8	2								ES		1.80		
												2		
												2.60	PID	1ppm
	7	3								ES		2.80		
								M				3		
												3.60	PID	<1ppm
	6	4								ES		3.80		
												4		
					AEO	ND						4.60	PID	<1ppm
										ES		4.80		
												5		
▼			From 5.40m: slight sulphuric odour											
Free groundwater observed below 5.4m depth 16/08/23 09:00	5	5										5.60	PID	<1ppm
										* ES		5.80		
	4	6										6		
								W				6.60	PID	<1ppm
	3	7								ES		6.80		
												7		
												7.60	PID	<1ppm
	2	8								ES		7.80		
			Borehole discontinued at 8.00m depth. Target depth achieved.											
	1	9												
	0													

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.18m, PT to 6.0m, AD/T to 8.0m.
REMARKS: *Field replicate BD3/20230816 taken from 5.6-5.8m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334568.3, N:6241664.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH311
PROJECT No: 219609.01
DATE: 10/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.16	CONCRETE			NA							
		0.40	FILL / SAND: pale brown; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		0.20	PID	7ppm
			FILL / SAND: dark brown and grey; fine; trace ash, igneous and sandstone gravel.						ES		0.50	PID	6ppm
											0.70		
	9	1							ES		1.00	PID	9ppm
											1.20		
									ES		1.50	PID	4ppm
					FILL	ND	M				1.70		
	8	2							ES		2.00	PID	5ppm
											2.20		
									ES		2.50	PID	4ppm
											2.70		
	7	3									3		
		3.30	SAND: pale grey and yellow; fine.						ES		3.40	PID	2ppm
											3.60		
	6	4					M				4		
									ES		4.40	PID	3ppm
											4.60		
	5	5	From 5.20m: grey, slight sulphuric odour		AEO	ND					5		
▼ 10/08/23 09:00									ES		5.40	PID	3ppm
Free groundwater observed below 5.5m depth											5.60		
	4	6	From 6.00m: pale grey				W				6		
									ES		6.40	PID	3ppm
											6.60		
	3	7									7		
		7.20	SAND: dark brown; fine; slight sulphuric odour.						ES		7.40	PID	2ppm
											7.60		
	2	8									8		
									ES		8.40	PID	2ppm
					EST	ND	W				8.60		
	1	9									9		
									ES		9.40	PID	2ppm
											9.60		
	-0	10	Borehole discontinued at 10.00m depth. Target depth achieved.										

BACKFILL: Sand; Bentonite; Gravel
WELL PIPE

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ

METHOD: DT to 0.16m, PT to 6.0m, HSA to 10.0m.
CASING: Uncased

REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS. Borehole collapse 7.7-10.0m.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334608.8, N:6241737.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH312
PROJECT No: 219609.01
DATE: 23/08/23
SHEET: 1 of 2

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
		0.14	CONCRETE			NA					0.15	PID	7ppm
		0.30	FILL / Gravelly SAND: dark grey; fine to medium, igneous gravel; trace slag and acm fragments.		FILL	ND	M		ES		0.25		
	9										0.40	PID	7ppm
			FILL / SAND: pale grey and brown; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		0.60		
	1										0.90	PID	<1ppm
		1.40							ES		1.10		
			FILL / SAND: dark brown; fine to medium; trace ash and sandstone gravel.		FILL	ND	M				1.50	PID	1ppm
		1.70							ES		1.70		
	8		SAND: pale grey; fine.								1.80	PID	<1ppm
									ES		2.00		
	2										2.80	PID	<1ppm
									ES		3.00		
	7						M						
	3										3.80	PID	<1ppm
									ES		4.00		
	6				AEO	ND							
▼											4.80	PID	2ppm
Free groundwater observed below 4.7m depth 23/08/23 09:00			From 4.70m: slight rotten cheese like odour						* ES		5.00		
	5												
	4						W				5.80	PID	2ppm
	6								ES		6.00		
		6.50											
			SAND: dark grey; fine; slight sulphuric odour.								6.80	PID	2ppm
	3								ES		7.00		
	7												
											7.80	PID	2ppm
	2								ES		8.00		
	8				EST	ND	W						
											8.80	PID	2ppm
	1								ES		9.00		
	9												
											9.80	PID	2ppm
	0								ES				

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.14m, PT to 6.0m, AD/T to 11.0m.
CASING: Uncased
REMARKS: *Field replicate BD1/20230823 taken from 4.8-5.0m. Material sample PACM3 collected from 0.2m. ACM = asbestos containing material.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334608.8, N:6241737.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH312
PROJECT No: 219609.01
DATE: 23/08/23
SHEET: 2 of 2

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	10.80	[CONT] SAND: dark grey; fine; slight sulphuric odour.		EST	ND	W				10.00		
	-1 / 11	Sandy CLAY: dark grey; high plasticity; fine sand; slight sulphuric odour.		EST	ND	w>PL		ES		10.80	PID	2ppm
		Borehole discontinued at 11.00m depth. Target depth achieved.								11.00		
	-2 / 12											
	-3 / 13											
	-4 / 14											
	-5 / 15											
	-6 / 16											
	-7 / 17											
	-8 / 18											
	-9 / 19											
	0											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.14m, PT to 6.0m, AD/T to 11.0m.
CASING: Uncased
REMARKS: *Field replicate BD1/20230823 taken from 4.8-5.0m. Material sample PACM3 collected from 0.2m. ACM = asbestos containing material.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334602.0, N:6241714.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH313
PROJECT No: 219609.01
DATE: 23/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.00	CONCRETE			NA							
		0.35	FILL / SAND: brown; fine to medium; trace glass, igneous and sandstone gravel.		FILL	ND	M		ES		0.40	PID	2ppm
		0.70	FILL / SAND: grey to dark grey; fine; trace sandstone gravel.		FILL	ND	M		ES		0.80	PID	<1ppm
		1.30	FILL / SAND: brown and orange-brown; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		1.40	PID	4ppm
		2.00	SAND: pale grey; fine.				M		ES		2.80	PID	5ppm
			From 4.00m: slight hydrocarbon odour						ES		3.80	PID	32ppm
			From 4.50m: strong hydrocarbon odour		AEO	ND			ES		4.30	PID	3645ppm
▼ Free groundwater observed below 5.0m depth 23/08/23 09:00									ES		4.80	PID	3189ppm
									ES		5.30	PID	3042ppm
							W		ES		5.80	PID	2866ppm
			From 7.10m: slight hydrocarbon odour						ES		6.30	PID	586ppm
									ES		6.80	PID	487ppm
		7.60	SAND: dark grey; fine; slight sulphuric odour.		EST	ND	W		ES		7.80	PID	48ppm
		9.00	Borehole discontinued at 9.00m depth. Target depth achieved.						ES		8.80	PID	10ppm

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.35m, PT to 6.0m, AD/T to 9.0m.
REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334613.1, N:6241694.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH314
PROJECT No: 219609.01
DATE: 22/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.14	CONCRETE			NA			ES		0.15	PID	3ppm
			FILL / SAND: pale grey and brown; fine; trace wire, plastic and sandstone gravel.		FILL	ND	M				0.25		
		0.50	FILL / SAND: brown; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		0.60	PID	5ppm
	9	1									0.80		
									ES		1.00	PID	8ppm
											1.20		
		1.60	FILL / SAND: pale grey and brown; fine.		FILL	ND	M		ES		1.70	PID	4ppm
		1.90	SAND: pale grey; fine.								1.90		
	8	2							ES		2.00	PID	<1ppm
											2.20		
	7	3					M		ES		2.80	PID	<1ppm
											3.00		
	6	4			AEO	ND			ES		3.80	PID	<1ppm
											4.00		
▼ 22/08/23 09:00	5	5	From 5.10m: strong hydrocarbon odour (possibly sweet)						ES		4.80	PID	6ppm
Free groundwater observed below 5.1m depth											5.00		
									ES		5.30	PID	121ppm
	4	6					W				5.50		
									ES		5.80	PID	783ppm
											6.00		
									ES		6.30	PID	1129ppm
											6.50		
	3	7							ES		6.80	PID	368ppm
											7.00		
		7.20	SAND: dark grey; fine; slight sweet odour.		EST	ND	W		ES		7.30	PID	40ppm
											7.50		
	2	8							ES		7.80	PID	8ppm
											8.00		
			Borehole discontinued at 8.00m depth. Target depth achieved.										
	1	9											

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ

METHOD: DT to 0.14m, PT to 6.0m, AD/T to 8.0m.
CASING: Uncased

REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334602.7, N:6241640.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH315
PROJECT No: 219609.01
DATE: 11/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.19	CONCRETE			NA					0.20	PID	4ppm
			FILL / SAND: brown; fine to medium; trace ash, igneous and sandstone gravel.		FILL	ND	M		ES		0.30		
		0.70							ES		0.50	PID	2ppm
	9	1	FILL / SAND: pale grey; fine; trace sandstone gravel.		FILL	ND	M		ES		0.70		
		1.40							ES		0.80	PID	<1ppm
			FILL / SAND: brown to dark brown; fine; slight sulphuric odour; trace sandstone gravel.		FILL	ND	M				1.00		
		1.80							ES		1.50	PID	<1ppm
	8	2	SAND: pale grey with some yellow; fine.								1.70		
									ES		1.80	PID	<1ppm
											2.00		
	7	3					M		* ES		2.80	PID	<1ppm
											3.00		
	6	4							ES		3.80	PID	<1ppm
											4.00		
▼ Free groundwater observed below 4.7m depth 11/08/23 09:00	5	5	From 4.70m: strong hydrocarbon odour (possibly sweet)		AEO	ND			ES		4.80	PID	396ppm
											5.00		
									ES		5.30	PID	1604ppm
	4	6	From 5.90m: dark brown, hydrocarbon staining				W				5.50		
									ES		5.80	PID	41ppm
											6.00		
									ES		6.30	PID	3ppm
	3	7									6.50		
									ES		6.80	PID	1ppm
											7.00		
		7.70	SAND: dark brown; fine; slight sulphuric odour.		EST	ND	W		ES		7.80	PID	<1ppm
	2	8									8.00		
			Borehole discontinued at 8.00m depth. Target depth achieved.										
	1	9											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.19m, PT to 8.0m.
CASING: Uncased
REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS. *Field replicate BD1/20230811 taken from 2.8-3.0m depth.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334623.0, N:6241764.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH316
PROJECT No: 219609.01
DATE: 22/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(^) / DENSITY.(^)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
		0.18	CONCRETE			NA							
		0.40	FILL / Gravelly SAND: brown to pale brown; fine; fine to medium, sandstone and concrete gravel.		FILL	ND	M		ES		0.20	PID	2ppm
	9	1	FILL / SAND: pale grey and brown; fine; trace sandstone gravel.		FILL	ND	M		ES		0.40		
		1.30	SAND: pale grey and yellow; fine.						ES		0.50	PID	3ppm
									ES		0.70		
									ES		1.00	PID	4ppm
	8	2							ES		1.20		
									ES		1.40	PID	<1ppm
									ES		1.60		
									ES		1.80	PID	2ppm
									ES		2.00		
	7	3					M		ES		2.80	PID	1ppm
									ES		3.00		
									ES		3.80	PID	1ppm
	6	4			AEO	ND			ES		4.00		
▼ Free groundwater observed below 4.3m depth 22/08/23 09:00			From 4.30m: strong rotten cheese like odour						* ES		4.80	PID	5ppm
		5							ES		5.00		
							W		ES		5.80	PID	5ppm
	4	6							ES		6.00		
		6.50	SAND: dark grey; fine; strong rotten cheese like odour.						ES		6.80	PID	5ppm
	3	7							ES		7.00		
									ES		7.80	PID	6ppm
	2	8			EST possibly AEO	ND	W		ES		8.00		
									ES		8.80	PID	4ppm
	1	9							ES		9.00		
		9.70	CLAY: dark grey; high plasticity; with fine to medium sand; rotten cheese like odour.		EST	ND	w>PL		ES		9.80	PID	5ppm
	0	10	Borehole discontinued at 10.00m depth. Target depth achieved.								10.00		

NOTES: (#) Soil origin is "probable" unless otherwise stated. (^) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.18m, PT to 6.0m, AD/T to 10.0m.
CASING: Uncased
REMARKS: *Field replicate BD2/20230822 taken from 4.8-5.0m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334628.6, N:6241754.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH317
PROJECT No: 219609.01
DATE: 21/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.18	CONCRETE			NA			ES	0.20	0.20	PID	2ppm
			FILL / SAND: pale grey and brown; fine to medium; trace sandstone gravel.		FILL	ND	M		ES	0.50 - 0.70	0.50	PID	4ppm
									ES	1.00 - 1.20	1.00	PID	2ppm
		1.60	SAND: pale grey; fine.						ES	1.70 - 1.90	1.70	PID	3ppm
									ES	2.80 - 3.00	2.80	PID	<1ppm
▼ Free groundwater below 4.5m depth 21/08/23 09:00			From 4.50m: strong rotten cheese odour		AEO	ND	M		ES	3.80 - 4.00	3.80	PID	<1ppm
							W		ES	4.80 - 5.00	4.80	PID	<1ppm
									ES	5.80 - 6.00	5.80	PID	2ppm
		6.60	SAND: dark grey; fine; strong rotten cheese like odour.		EST possibly AEO	ND	W		ES	6.80 - 7.00	6.80	PID	1ppm
									ES	7.80 - 8.00	7.80	PID	<1ppm
									ES	8.80 - 9.00	8.80	PID	<1ppm
									ES	9.80 - 10.00	9.80	PID	<1ppm
		10	Borehole discontinued at 10.00m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.18m, PT to 7.0m, AD/T to 10m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334634.0, N:6241687.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH318
PROJECT No: 219609.01
DATE: 15/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.15	CONCRETE			NA						0.20	PID	4ppm
			FILL / SAND: grey-brown; fine to medium; trace igneous and sandstone gravel.		FILL	ND		M		ES		0.40		
	9	0.90										0.70	PID	3ppm
			FILL / SAND: yellow-brown; fine.		FILL	ND		M		ES		0.90		
		1.30										1.00	PID	4ppm
			SAND: pale grey; fine.							ES		1.20		
	8	2										1.50	PID	<1ppm
										ES		1.70		
												2.00	PID	<1ppm
										ES		2.20		
												2.50	PID	<1ppm
	7	3						M		ES		2.70		
												3		
										* ES		3.50	PID	<1ppm
												3.70		
	6	4			AEO	ND						4		
▼												4.50	PID	<1ppm
15/08/23 09:00										ES		4.70		
												4.80	PID	<1ppm
Free groundwater observed below 4.7m depth	5	5								ES		5.00		
								W						
	4	6										5.80	PID	<1ppm
										ES		6.00		
		6.50												
			SAND: dark brown; fine; sulphuric odour.									6.80	PID	3ppm
	3	7			EST	ND		W		ES		7.00		
	2	8										7.80	PID	<1ppm
										ES		8.00		
			Borehole discontinued at 8.00m depth. Target depth achieved.											
	1	9												
	0													

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.15m, PT to 6.0m, AD/T to 8.0m.
REMARKS: *Field replicate BD1/20230815 taken from 3.5-3.7m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334620.3, N:6241632.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH319
PROJECT No: 219609.01
DATE: 10/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.24	CONCRETE			NA							
		0.40	FILL / SAND: grey; fine to coarse; with igneous and concrete gravel.		FILL	ND	M		* ES		0.25	PID	2ppm
											0.35		
			FILL / SAND: pale grey; fine to medium.		FILL	ND	M		ES		0.50	PID	<1ppm
		1.00									0.70		
			FILL / SAND: brown and dark grey; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		1.10	PID	<1ppm
		1.30									1.30		
			SAND: pale grey and yellow; fine.						ES		1.40	PID	<1ppm
											1.60		
									ES		1.90	PID	<1ppm
											2.10		
									ES		2.80	PID	<1ppm
							M				3.00		
									* ES		3.80	PID	<1ppm
					AEO	ND					4.00		
									ES		4.80	PID	<1ppm
Free groundwater observed below 5.3m depth 10/08/23 09:00											5.00		
							W		ES		5.80	PID	<1ppm
											6.00		
		6.60	SAND: dark brown and dark grey; fine; slight sulphuric odour.		AEO	ND	W		ES		6.80	PID	2ppm
											7.00		
									ES		7.80	PID	4ppm
											8.00		
			Borehole discontinued at 8.50m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.24m, PT to 6.0m, AD/T to 8.5m.
REMARKS: *Field replicate BD1/20230810 taken from 0.25-0.35m and BD2/20230810 taken from 3.8-4.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334697.9, N:6241691.9
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH320
PROJECT No: 219609.01
DATE: 18/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
18/08/23 09:00 No Free Groundwater Observed	9.9 / 0.30	FILL / Silty SAND; fine to medium; low to medium plasticity silt; with igneous and sandstone gravel; trace wire and slag.		FILL	ND	M		ES		0.10	PID	5ppm
										0.30		
								ES		0.40	PID	<1ppm
		SAND: pale grey; fine.								0.60		
	9.1 / 1			AEO	ND	M		ES		0.90	PID	<1ppm
										1.10		
	8.9 / 2	Borehole discontinued at 2.00m depth. Target depth achieved.						ES		1.80	PID	<1ppm
										2.00		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 2.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334700.8, N:6241696.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH320A
PROJECT No: 219609.01
DATE: 16/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
16/08/23 No Free Groundwater Observed	10	0.14	CONCRETE			NA			ES		0.15		
		0.40	FILL / SAND: brown to dark brown; fine to medium; trace concrete, igneous and sandstone gravel.		FILL	ND	M		ES		0.50		
	9	1	SAND: pale grey; fine.		AEO	ND	M		ES		0.90		
			Borehole discontinued at 1.00m depth. Target depth achieved.								1.00		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hand tools
METHOD: DT to 0.14m, HA to 1.0m.
REMARKS:

OPERATOR: DP

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334706.9, N:6241689.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH320B
PROJECT No: 219609.01
DATE: 17/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED									SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
17/08/23 No Free Groundwater Observed	9.8	0.18	CONCRETE			NA					0.20	PID	6ppm
		0.40	FILL / SAND: dark brown; fine to medium; with slag, trace igneous and sandstone gravel.		FILL	ND	M		ES		0.40		
					FILL	ND	M				0.50	PID	5ppm
		0.70	FILL / SAND: grey-brown; fine; trace slag and igneous gravel.						ES		0.70		
	9										0.80	PID	3ppm
	1		SAND: pale grey; fine.						ES		1.00		
					AEO	ND	M				1.30	PID	<1ppm
	8								ES		1.50		
	2		Borehole discontinued at 2.00m depth. Target depth achieved.								1.80	PID	<1ppm
									ES		2.00		
	7	3											
	6												
	5	4											
	4												
		5											
	3												
		6											
	2												
		7											
	1												
		8											
	0												
	9												

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.18m, PT to 2.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334702.2, N:6241691.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH320C
PROJECT No: 219609.01
DATE: 18/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
18/08/23 No Free Groundwater Observed	9.9	0.19	CONCRETE			NA					0.20	PID	<1ppm
		0.40	FILL / Sandy GRAVEL: dark grey; igneous; fine to medium sand; with slag.		FILL	ND			ES		0.30		
	9		SAND: pale grey; fine.								0.50	PID	<1ppm
		1							ES		0.70		
					AEO	ND					1.00	PID	<1ppm
	8								ES		1.20		
		2	Borehole discontinued at 2.00m depth. Target depth achieved.										
									* ES		1.80	PID	<1ppm
											2.00		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 2.0m
REMARKS: *Field replicate BD2/20230818 taken from 1.8-2.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334692.0, N:6241692.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH320D
PROJECT No: 219609.01
DATE: 18/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
18/08/23 No Free Groundwater Observed	9 8 7 6 5 4 3 2 1 0	0.10 0.30 0.40 1 2	FILL / Silty SAND: dark brown; fine to medium; low to medium plasticity silt; trace glass, plastic, wire, cobbles and igneous gravel. CONCRETE FILL / SAND: brown; fine to medium; with sandstone gravel; trace ash. SAND: pale grey; fine. Borehole discontinued at 2.00m depth. Target depth achieved.		FILL FILL AEO	ND NA ND ND	W M M		ES ES ES ES *ES		0.01 0.10 0.30 0.40 0.50 0.70 0.80 1.00 1.80 2.00	PID PID PID PID PID	4ppm <1ppm <1ppm <1ppm <1ppm

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: AD/T to 0.3m, PT to 2.0m.
REMARKS: *Field replicate BD1/20230818 taken from 1.8-2.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334691.5, N:6241670.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH321
PROJECT No: 219609.01
DATE: 15/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	0.19	CONCRETE			NA							
	9 / 1	FILL / Gravelly SAND: brown; fine to medium; medium, igneous and sandstone gravel; with concrete; trace ash and brick fragments.		FILL	ND	M		ES		0.20	PID	3ppm
										0.40		
								ES		0.50	PID	3ppm
										0.70		
								ES		1.00	PID	2ppm
	1.60									1.20		
	8 / 2	FILL / SAND: grey-brown; fine to medium; with sandstone gravel.		FILL	ND	M		ES		2.00	PID	4ppm
	2.80									2.20		
	7 / 3	SAND: pale grey; fine.		AEO	ND	M		ES		3.00	PID	<1ppm
										3.20		
	6 / 4							ES		4.00	PID	<1ppm
										4.20		
▼ 15/08/23 0900	5							ES		5.00	PID	<1ppm
Free groundwater observed below 5.0m depth						W				5.20		
	4 / 6							ES		6.00	PID	2ppm
										6.20		
	6.80											
	3 / 7	SAND: dark grey-brown; fine; sulphuric odour.		EST		W		ES		7.00	PID	<1ppm
										7.20		
	2 / 8							ES		7.80	PID	<1ppm
										8.00		
	1 / 9	Borehole discontinued at 8.00m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Georpobe
METHOD: DT to 0.19m, PT to 6.0m, AD/T to 8.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334704.7, N:6241637.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH322
PROJECT No: 219609.01
DATE: 16/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
16/08/23 No Free Groundwater Observed	9	0.16	CONCRETE			NA					0.20	PID	2ppm
			FILL / SAND: dark brown; fine; trace concrete, igneous and sandstone gravel.		FILL	ND	M		ES		0.40		
		0.50	FILL / SAND: grey-brown; fine; trace sandstone gravel.								0.60	PID	<1ppm
	1								ES		0.80		
											1.00	PID	<1ppm
									ES		1.20		
	8	2			FILL	ND	M				1.80	PID	<1ppm
									ES		2.00		
											2.30	PID	<1ppm
	7								ES		2.50		
		3.00	SAND: pale grey; fine.								2.80	PID	<1ppm
									ES		3.00	PID	<1ppm
					AEO	ND	M		ES		3.20		
	6	4									3.80	PID	<1ppm
									ES		4.00		
			Borehole discontinued at 4.00m depth. Target depth achieved.										
	5	5											
	4	6											
	3	7											
	2	8											
	1	9											
	0												

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.16m, PT t0 4.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334705.4, N:6241645.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH322A
PROJECT No: 219609.01
DATE: 16/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
16/08/23 No Free Groundwater Observed	0.17	CONCRETE			NA							
	9 / 0.50	FILL / SAND: brown to pale brown; fine to medium; trace slag, igneous and sandstone gravel.		FILL	ND	M		ES		0.20	PID	<1ppm
										0.40		
		FILL / SAND: pale brown; fine; trace sandstone gravel.		FILL	ND	M		ES		0.60	PID	1ppm
	0.90									0.80		
		FILL / SAND: dark brown to brown; fine to medium; trace slag, igneous and sandstone gravel.		FILL	ND	M		ES		1.00	PID	2ppm
	1.20									1.20		
	8 / 2	FILL / SAND: pale grey to dark grey; fine; trace ash and sandstone gravel.		FILL	ND	M		ES		1.30	PID	1ppm
										1.50		
								ES		1.80	PID	<1ppm
										2.00		
								ES		2.30	PID	<1ppm
										2.50		
	7 / 3							ES		2.80	PID	1ppm
	3.20									3.00		
		SAND: pale grey; fine.		AEO	ND	M		ES		3.30	PID	<1ppm
										3.50		
	6 / 4							ES		3.80	PID	<1ppm
										4.00		
								* ES		4.30	PID	<1ppm
	5 / 5									4.50		
		Borehole discontinued at 5.00m depth. Target depth achieved.										
	4 / 6											
	3 / 7											
	2 / 8											
	1 / 9											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.17m, PT to 5.0m.
REMARKS: *Field replicate BD1/20230816 taken from 4.3-4.5m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334711.1, N:6241637.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH322B
PROJECT No: 219609.01
DATE: 16/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
16/08/23 No Free Groundwater Observed		0.14	CONCRETE			NA							
			FILL / SAND: brown and grey; fine to medium; trace sandstone and igneous gravel.		FILL	ND	M		ES		0.20	PID	4ppm
											0.40		
									ES		0.50	PID	1ppm
											0.70		
									ES		1.00	PID	2ppm
											1.20		
									ES		1.50	PID	3ppm
											1.70		
									ES		2.00	PID	<1ppm
											2.20		
		3.00	SAND: pale grey; fine.		AEO	ND	M		ES		3.00	PID	<1ppm
											3.20		
									ES		3.80	PID	<1ppm
		4	Borehole discontinued at 4.00m depth. Target depth achieved.								4.00		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.14m, PT to 4.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334703.7, N:6241631.9
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH322C
PROJECT No: 219609.01
DATE: 16/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.20	CONCRETE			NA			ES	0.20 - 0.40	0.20	PID	5ppm
			FILL / SAND: dark brown; fine to medium; with slag, trace asphaltic concrete, sandstone and igneous gravel.		FILL	ND	M		ES	0.60 - 0.80	0.40		
		1.10									0.60	PID	4ppm
			SAND: pale grey; fine.						ES	1.20 - 1.40	0.80		
											1.00		
									ES	1.50 - 1.70	1.20	PID	<1ppm
											1.40		
											1.50	PID	<1ppm
											1.70		
											2.00		
									* ES	2.50 - 2.70	2.50	PID	<1ppm
											2.70		
											3.00		
			From 3.20m-3.50m: yellow and pale grey				M		ES	3.30 - 3.50	3.30	PID	<1ppm
											3.50		
											4.00		
					AEO	ND			ES	4.30 - 4.50	4.30	PID	<1ppm
											4.50		
									ES	4.80 - 5.00	4.80	PID	<1ppm
▼											5.00		
Free groundwater observed below 5.2m depth 16/08/23 09:00													
							W		ES	5.80 - 6.00	5.80	PID	<1ppm
											6.00		
									ES	6.80 - 7.00	6.80	PID	<1ppm
											7.00		
		7.50	SAND: dark brown; fine; sulphuric odour.										
					EST	ND	W		ES	7.80 - 8.00	7.80	PID	<1ppm
											8.00		
									ES	8.80 - 9.00	8.80	PID	<1ppm
			Borehole discontinued at 9.00m depth. Target depth achieved.								9.00		

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.2m, PT to 5.0m, AD/T to 9.0m.
REMARKS: *Field replicate BD2/20230816 taken from 2.5-2.7m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334700.6, N:6241638.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH322D
PROJECT No: 219609.01
DATE: 15/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	0.17	CONCRETE			NA							
		FILL / SAND: dark brown and grey; fine to medium; trace ash, sandstone and igneous gravel.		FILL	ND	M		ES		0.20 0.40	PID	2ppm
								ES		0.70 0.90	PID	2ppm
								ES		1.20 1.40	PID	4ppm
								ES		1.70 1.90	PID	2ppm
	2.50	SAND: pale grey; fine.		AEO	ND	M		ES		2.20 2.40	PID	2ppm
								ES		2.60 2.80	PID	<1ppm
								ES		3.60 3.80	PID	<1ppm
		Borehole discontinued at 4.00m depth. Target depth achieved.										

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.17m, PT to 4.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334722.0, N:6241629.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH323
PROJECT No: 219609.01
DATE: 24/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
24/08/23 No Free Groundwater Observed	0.19	CONCRETE			NA							
	9 1	FILL / SAND: brown; fine to medium; slight sweet odour; trace wire, slag, brick fragments and sandstone gravel.		FILL	ND	M		ES		0.20	PID	20ppm
								ES		0.40 0.70	PID	12ppm
								ES		0.90 1.20	PID	48ppm
	8 2							ES		1.40 1.70	PID	94ppm
	2.40							ES		1.90 2.10	PID	107ppm
		FILL / SAND: pale grey and brown; fine to medium; slight sweet odour; trace ash.		FILL	ND	M		ES		2.30 2.50	PID	42ppm
	7 3							ES		2.70 3.10	PID	21ppm
	3.50							ES		3.30 3.70	PID	10ppm
	6 4	SAND: pale grey; fine.		AEO	ND	M		* ES		3.90 4.70	PID	6ppm
	5 5	Borehole discontinued at 5.00m depth. Target depth achieved.						* ES		4.90		
	4 6											
	3 7											
	2 8											
	1 9											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: DT to 0.19m, PT to 5.0m.
CASING: Uncased
REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS. *Field replicates BD3/20230824 taken from 3.7-3.9m, BD4/20230824 taken from 4.7-4.9m.

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334721.0, N:6241621.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH324
PROJECT No: 219609.01
DATE: 21/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
21/08/23 No Free Groundwater Observed	0.12	CONCRETE			NA					0.15	PID	2ppm
	9.88 0.40	FILL / SAND: brown; fine to medium; with sandstone gravel; trace igneous gravel.		FILL	ND	M		ES		0.25		
		FILL / SAND: pale brown and brown; fine; trace sandstone gravel.		FILL	ND	M		ES		0.50	PID	2ppm
	9 1.00	SAND: pale grey; fine.		AEO	ND	M		ES		0.70		
								ES		0.80	PID	2ppm
								ES		1.00		
								ES		1.10	PID	<1ppm
	8 2	Borehole discontinued at 2.00m depth. Target depth achieved.								1.30		
								* ES		1.80	PID	<1ppm
										2.00		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.12m, PT to 2.0m.
REMARKS: *Field replicate BD2/20230821 taken from 1.8-2.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334714.9, N:6241618.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH325
PROJECT No: 219609.01
DATE: 21/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.17	CONCRETE			NA							
			FILL / SAND: grey and brown; fine to medium; trace ash and sandstone gravel.		FILL	ND	M		ES		0.20	PID	3ppm
											0.40		
									ES		0.50	PID	3ppm
		0.70									0.70		
	9		SAND: pale grey; fine.						ES		0.80	PID	1ppm
		1									1.00		
									ES		1.30	PID	<1ppm
											1.50		
	8	2							ES		1.80	PID	<1ppm
											2.00		
	7	3					M		ES		2.80	PID	<1ppm
											3.00		
					AEO	ND							
	6	4							ES		3.80	PID	<1ppm
											4.00		
▼ 21/08/23 09:00	5	5							* ES		4.80	PID	<1ppm
Free groundwater observed below 5.0m depth											5.00		
	4	6					W		ES		5.80	PID	<1ppm
											6.00		
		6.60	SAND: dark grey; fine; slight sulphuric odour.										
	3	7			EST possibly AEO	ND	W		ES		6.80	PID	<1ppm
											7.00		
	2	8							ES		7.80	PID	<1ppm
											8.00		
	1	9	Borehole discontinued at 8.00m depth. Target depth achieved.										
	0												

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.17m, PT to 5.0m, AD/T to 8.0m.
REMARKS: *Field replicate BD1/20230821 taken from 4.8-5.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334727.6, N:6241616.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH326
PROJECT No: 219609.01
DATE: 21/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.15	CONCRETE			NA					0.15		
			FILL / SAND: brown; fine to medium; with sandstone gravel; trace igneous gravel.		FILL	ND	M		ES		0.25	PID	4ppm
		0.40	FILL / SAND: grey; fine; trace sandstone gravel.		FILL	ND	M		ES		0.50	PID	2ppm
											0.70		
	9	0.90	SAND: pale grey; fine.						ES		1.00	PID	1ppm
											1.20		
	8	2							ES		1.80	PID	1ppm
											2.00		
	7	3					M		ES		2.80	PID	7ppm
											3.00		
			From 3.30m-4.00m: slight hydrocarbon odour						ES		3.30	PID	20ppm
											3.50		
	6	4			AEO	ND			ES		3.80	PID	240ppm
			From 4.00m: strong hydrocarbon odour								4.00		
									ES		4.30	PID	>5000ppm
											4.50		
▼	5	5							ES		4.80	PID	>5000ppm
21/08/23 09:00											5.00		
Free groundwater below 5.1m depth									ES		5.30	PID	>5000ppm
											5.50		
	4	6					W		ES		5.80	PID	4102ppm
											6.00		
									ES		6.30	PID	2804ppm
											6.50		
	3	6.70	SAND: dark grey; fine; slight hydrocarbon odour.						ES		6.80	PID	1242ppm
		7									7.00		
									ES		7.30	PID	475ppm
											7.50		
	2	8			EST possibly AEO	ND	W		ES		7.80	PID	375ppm
											8.00		
									ES		8.30	PID	36ppm
											8.50		
	1	9							ES		8.80	PID	8ppm
											9.00		
			Borehole discontinued at 9.00m depth. Target depth achieved.										
	0												

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.15m, PT to 6.0m, AD/T to 9.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Generated with CORE-GS by Geroc - Soil Log

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334702.5, N:6241595.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH327
PROJECT No: 219609.01
DATE: 18/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.18	CONCRETE			NA						0.20	PID	2ppm
		0.40	FILL / SAND: brown; fine to medium; trace slag, sandstone and igneous gravel.		FILL	ND		M		ES		0.40		
		0.80	FILL / SAND: yellow-brown and brown; fine to medium; trace sandstone gravel.		FILL	ND		M		ES		0.50	PID	<1ppm
		1	SAND: pale grey and yellow; fine.							ES		0.70		
										ES		1.00	PID	<1ppm
										ES		1.20		
		2								ES		1.80	PID	<1ppm
										ES		2.00		
		3						M		ES		2.80	PID	<1ppm
										ES		3.00		
		4			AEO	ND				ES		3.80	PID	<1ppm
										ES		4.00		
▼ Free groundwater below 4.9m depth 18/08/23 09:00		5	From 4.90m: slight sulphuric odour							ES		4.80	PID	<1ppm
										ES		5.00		
		6						W		ES*		5.80	PID	<1ppm
										ES		6.00		
		6.60	SAND: dark grey; fine; sulphuric odour.							ES		6.80	PID	<1ppm
		7								ES		7.00		
		8			EST possibly AEO	ND		W		ES		7.80	PID	<1ppm
										ES		8.00		
		9								ES		8.80	PID	<1ppm
			Borehole discontinued at 9.00m depth. Target depth achieved.									9.00		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.18m, PT to 5.0m, AD/T to 9.0m.
REMARKS: *Field replicate BD3/20230818 taken from 5.8-6.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334750.3, N:6241616.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH328
PROJECT No: 219609.01
DATE: 21/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
21/08/23 No Free Groundwater Observed	0.30	FILL / SAND: dark brown; fine to medium; trace igneous and ironstone gravel.		FILL	ND	M		ES		0.10 0.30	PID	3ppm
	9	FILL / SAND: brown; fine, trace sandstone gravel.		FILL	ND	M		ES		0.40 0.60	PID	3ppm
	1							ES		0.80 1.00	PID	<1ppm
	2.00							ES		1.30 1.50	PID	2ppm
	8	FILL / SAND: grey-brown; fine; trace metal and sandstone gravel.		FILL	ND	M		ES		1.80 2.00	PID	2ppm
	2.60							ES		2.10 2.30	PID	2ppm
	7	SAND: pale grey and brown; fine.		AEO	ND	M		ES		2.80 3.00	PID	4ppm
	3.30							ES		3.50 3.70	PID	2ppm
	6	SAND: pale brown and pale grey; fine.		AEO	ND	M				4		
	4							ES		4.50 4.70	PID	3ppm
	5	Borehole discontinued at 5.00m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 5.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334750.5, N:6241618.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH328A
PROJECT No: 219609.01
DATE: 21/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
21/08/23 No Free Groundwater Observed	0.40	FILL / Silty SAND: grey and brown; fine to medium; low to medium plasticity silt; trace rootlets, concrete and sandstone gravel.		FILL	ND	M		ES		0.10 0.30	PID	2ppm
	2.30	FILL / SAND: pale grey and pale brown; fine; trace sandstone gravel.		FILL	ND	M		ES ES ES ES ES		0.50 0.70 1.00 1.20 1.50 1.70 2.00 2.20 2.40 2.60	PID PID PID PID PID	1ppm <1ppm 3ppm 2ppm 12ppm
	3.10	FILL / SAND: grey; fine; trace slag.		FILL	ND	M				3		
	4.00	FILL / SAND: brown; fine; slight hydrocarbon odour.		FILL	ND	M		ES ES		3.30 3.50 3.80 4.00	PID PID	70ppm 43ppm
	5	SAND: pale grey; fine.		AEO	ND	M		ES ES		4.10 4.30 4.80 5.00	PID PID	5ppm 3ppm
		Borehole discontinued at 5.00m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 5.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.8 AHD
COORDINATE: E:334752.0, N:6241616.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH328B
PROJECT No: 219609.01
DATE: 24/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.30	FILL / SAND: dark brown; fine to medium, trace rootlets and sandstone gravel.		FILL	ND	M		ES	0.10–0.30	0.10	PID	3ppm
			FILL / SAND: pale grey and brown; fine; trace sandstone gravel.		FILL	ND	M		ES	0.50–0.70	0.50	PID	<1ppm
									ES	1.00–1.20	1.00	PID	3ppm
									ES	1.50–1.70	1.50	PID	3ppm
		2.60							ES	2.20–2.40	2.20	PID	1ppm
			FILL / SAND: dark grey; fine; medium plasticity clay; trace igneous and sandstone gravel.		FILL	ND	M		ES	2.70–2.90	2.70	PID	2ppm
		3.00	FILL / Sandy CLAY: dark brown; medium to high plasticity; fine to medium sand.		FILL	ND	w>PL		ES	3.10–3.30	3.10	PID	3ppm
		3.60	SAND: pale grey; fine.				M		ES	3.50–3.60	3.50	PID	2ppm
									ES	3.80–4.00	3.80	PID	<1ppm
▼ Free groundwater observed below 5.0m depth 24/08/23 09:00					AEO	ND			ES	4.80–5.00	4.80	PID	2ppm
							W		ES	5.80–6.00	5.80	PID	3ppm
		6.60	SAND: dark brown; fine; sulphuric odour.		EST possibly AEO	ND	W		ES	6.80–7.00	6.80	PID	3ppm
									* ES	7.80–8.00	7.80	PID	2ppm
		8.00	Borehole discontinued at 8.00m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: PT to 6.0m, AD/T to 8.0m.
CASING: Uncased
REMARKS: *Field replicate BD1/20230824 taken from 7.8-8.0m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334750.2, N:6241614.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH328C
PROJECT No: 219609.01
DATE: 24/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
		0.40	FILL / Silty SAND: brown to dark brown; fine to medium; low to medium plasticity silt; trace rootlets, slag and sandstone gravel.		FILL	ND	M		ES		0.10 0.30	PID	5ppm
		2.50	FILL / SAND: pale grey and brown; fine; trace sandstone gravel.		FILL	ND	M		ES		0.50 0.70	PID	7ppm
		3.10	FILL / Clayey SAND: dark brown and grey; fine to medium; medium to high plasticity clay; trace igneous gravel.		FILL	ND	M		ES		1.00 1.20	PID	2ppm
		4.00	FILL / SAND: pale grey and brown; fine; trace sandstone gravel.		FILL	ND	M		ES		1.50 1.70	PID	4ppm
									ES		2.00 2.20	PID	3ppm
									ES		2.60 2.80	PID	3ppm
									ES		3.20 3.40	PID	2ppm
									ES		3.70 3.90	PID	<1ppm
			SAND: pale grey; fine.				M		ES		4.10 4.30	PID	1ppm
▼ Free groundwater below 5.0m depth 24/08/23 09:00		6.50			AEO	ND	W		ES		4.80 5.00	PID	1ppm
			SAND: dark brown; fine; sulphuric odour.		EST possibly AEO	ND	W		ES		5.80 6.00	PID	2ppm
									ES		6.80 7.00	PID	<1ppm
		8.00	Borehole discontinued at 8.00m depth. Target depth achieved.						* ES		7.80 8.00	PID	<1ppm

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: Push tube to 6.0m, solid flight auger to 8.0m depth
CASING: Uncased
REMARKS: *Field replicate BD2/20230824 taken from 7.8-8.0m. Base of soil vapour implant installed at 1.2m, bentonite backfill 1.3-8.0m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334745.9, N:6241616.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH328D
PROJECT No: 219609.01
DATE: 21/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED									SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
21/08/23 No Free Groundwater Observed	9.9	0.23	CONCRETE			NA							
	9.67	0.40	FILL / SAND: grey-brown; fine to medium; trace glass, sandstone and igneous gravel.		FILL	ND	M		ES		0.25	PID	3ppm
											0.35		
									ES		0.50	PID	3ppm
			FILL / Silty SAND: brown and orange-brown; fine to medium; low to medium plasticity silt; trace timber, ash and sandstone gravel.		FILL	ND	M				0.70		
	8.50	1.40							ES		1.00	PID	<1ppm
											1.20		
			FILL / SAND; fine to medium; trace slag, ash and ironstone gravel.		FILL	ND	M		ES		1.50	PID	<1ppm
											1.70		
									ES		2.00	PID	<1ppm
	7.60	2.30	SAND: pale grey-yellow; fine.								2.20		
									ES		2.40	PID	<1ppm
											2.60		
					AEO	ND	M		ES		3.00	PID	<1ppm
											3.20		
	5.90	4.00	Borehole discontinued at 4.00m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.23m, PT to 4.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334763.1, N:6241632.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH329
PROJECT No: 219609.01
DATE: 14/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	9 1	0.00	FILL / Silty SAND: dark brown, brown and grey; fine to medium; low to medium plasticity silt; trace slag, acm fragments (surface), rootlets, concrete, igneous and sandstone gravel.		FILL	ND	M		ES		0.10	PID	<1ppm
											0.30		
									ES		0.50	PID	<1ppm
											0.70		
									ES		1.00	PID	<1ppm
		1.20									1.20		
	8 2		FILL / SAND: grey and brown; fine; trace sandstone and igneous gravel.		FILL	ND	M		ES		1.30	PID	<1ppm
											1.50		
									ES		1.80	PID	<1ppm
											2.00		
									ES		2.30	PID	<1ppm
											2.50		
	7 3	2.80	FILL / SAND: grey to dark grey; fine; slight hydrocarbon odour.		FILL	ND	M		ES		2.80	PID	53ppm
											3.00		
									ES		3.30	PID	90ppm
											3.50		
	6 4	3.70	SAND: pale grey; fine; slight hydrocarbon odour.				M		ES		3.80	PID	86ppm
											4.00		
									ES		4.10	PID	108ppm
											4.30		
			4.60m-4.80m: dark brown hydrocarbon staining						ES		4.60	PID	953ppm
											4.80		
▼ Free groundwater observed below 5.2m depth 14/08/23 09:00	5 5		5.00m-6.00m: slight hydrocarbon odour and slight sweet odour		AEO	ND			ES		5.00	PID	3719ppm
											5.20		
									ES		5.50	PID	1234ppm
											5.70		
	4 6		From 6.00m: slight hydroarbon odour				W		ES		6.00	PID	35ppm
											6.20		
									ES		6.50	PID	6ppm
											6.70		
	3 7	6.80	Silty SAND: dark grey; fine; medium to high plasticity silt; sulphuric odour.		EST	ND	W		ES		6.80	PID	4ppm
											7.00		
	2 8		Borehole discontinued at 7.00m depth. Target depth achieved.										
	1 9												
	0												

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: PT to 5.0m, AD/T to 7.0m.
CASING: Uncased
REMARKS: Material sample PACM1 collected from surface. ACM = asbestos containing material

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334763.2, N:6241638.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH329A
PROJECT No: 219609.01
DATE: 14/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
14/08/23 No Free Groundwater Observed	9 / 0.70	FILL / Silty SAND: dark brown; fine to medium; low to medium plasticity silt; with concrete, igneous and sandstone gravel; trace rootlets.		FILL	ND	M		ES		0.10	PID	<1ppm
										0.30		
								ES		0.50	PID	<1ppm
										0.70		
	1	FILL / SAND: brown, dark brown and grey; fine; trace ash, concrete and sandstone gravel.		FILL	ND	M		ES		0.80	PID	<1ppm
										1.00		
								ES		1.30	PID	<1ppm
										1.50		
	8 / 2							ES		1.80	PID	<1ppm
										2.00		
								ES		2.30	PID	1ppm
										2.50		
	7 / 3							ES		2.80	PID	<1ppm
										3.00		
	3.20	FILL / SAND: dark brown; fine.		FILL	ND	M		ES		3.30	PID	<1ppm
										3.50		
	6 / 3.70	SAND: grey-brown; fine.		AEO	ND	M		ES		3.80	PID	<1ppm
	4									4.00		
	4.40	SAND: dark grey; fine.		AEO	ND	M		* ES		4.50	PID	1ppm
	5									4.70		
		Borehole discontinued at 5.00m depth. Target depth achieved.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 5.0m.
REMARKS: *Field replicate BD2/20230814 taken from 4.5-4.7m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.1 AHD
COORDINATE: E:334769.8, N:6241632.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH329B
PROJECT No: 219609.01
DATE: 14/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
	10	0.00	FILL / Silty SAND: dark brown with grey and orange-brown; fine to medium; low to medium plasticity silt; trace rootlets, ash, igneous and sandstone gravel.		FILL	ND	M		ES	0.10	0.10	PID	<1ppm
										0.20	0.20		
									ES	0.50	0.50	PID	<1ppm
										0.70	0.70		
	9	1							ES	1.00	1.00	PID	<1ppm
		1.40								1.20	1.20		
			FILL / SAND: brown, dark brown and grey; fine to medium; trace sandstone gravel.						ES	1.50	1.50	PID	<1ppm
										1.60	1.60		
	8	2							ES	2.00	2.00	PID	<1ppm
										2.20	2.20		
									ES	2.50	2.50	PID	<1ppm
					FILL	ND	M			2.70	2.70		
	7	3									3		
									ES	3.50	3.50	PID	<1ppm
										3.70	3.70		
	6	4									4		
		4.20	FILL / SAND: dark brown and dark grey; fine to medium; with slag, trace concrete.						ES	4.30	4.30	PID	<1ppm
					FILL	ND	M			4.50	4.50		
▼		5.00			FILL	ND	w>PL		ES	5.00	5.00	PID	33ppm
	5	5.10	FILL / CLAY: dark brown; medium to high plasticity; hydrocarbon odour; with sand.							5.10	5.10		
			SAND: grey-brown; fine; slight hydrocarbon odour.						ES	5.20	5.20	PID	4ppm
										5.40	5.40		
	4	6			AEO	ND	W		ES	5.80	5.80	PID	1ppm
										6.00	6.00		
		6.80	SAND: dark grey; fine; slight sulphuric odour.						ES	6.80	6.80	PID	<1ppm
	3	7			EST possibly AEO	ND	W			7.00	7.00		
								ES*	ES	7.80	7.80	PID	<1ppm
	2	8	Borehole discontinued at 8.00m depth. Target depth achieved.							8.00	8.00		
	1	9											

Free groundwater observed below 5.0m depth 14/08/23 09:00

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ

METHOD: PT to 5.0m, AD/T to 8.0m.
CASING: Uncased

REMARKS: *Field replicate BD1/20230814 taken from 7.8-8.0m. Base of soil vapour implant installed at 1.2m, bentonite backfill from 1.3-8.0m.

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334761.8, N:6241628.9
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH329C
PROJECT No: 219609.01
DATE: 15/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
	10	0.00										0.10	PID	1ppm
			FILL / Silty SAND: dark brown and brown; fine to medium; low to medium plasticity silt; trace rootlets, fabric, concrete, igneous and sandstone gravel.		FILL	ND		M		ES		0.20		
										ES		0.50	PID	1ppm
												0.70		
	9	0.90	FILL / SAND: grey, brown and dark brown; fine to medium; trace slag, asphaltic concrete, igneous and sandstone gravel.		FILL	ND		M		ES		1.00	PID	1ppm
												1.20		
										ES		1.50	PID	2ppm
												1.70		
	8	2								ES		1.90	PID	2ppm
		2.20	FILL / SAND: pale grey to dark grey; fine; trace ash and concrete gravel.		FILL	ND		M				2.10		
										ES		2.30	PID	2ppm
												2.50		
	7	3								ES		2.80	PID	2ppm
												3.00		
										ES		3.30	PID	15ppm
												3.50		
	6	4.00	SAND: pale grey; fine; slight hydrocarbon odour.					M		ES		3.80	PID	9ppm
												4.00		
										ES		4.10	PID	14ppm
												4.30		
			4.50m-5.00m: hydrocarbon staining							ES		4.60	PID	74ppm
▼ 15/08/23												4.80		
Free groundwater observed below 4.8m depth	5	5			AEO	ND		W				5		
										* ES		5.10	PID	46ppm
												5.30		
										ES		5.60	PID	84ppm
	4	6										5.80		
												6		
										ES		6.40	PID	10ppm
		6.70										6.60		
			SAND: dark grey; fine; sulphuric odour.							ES		6.80	PID	7ppm
	3	7			EST possibly AEO	ND		W				7.00		
										ES		7.80	PID	<1ppm
	2	8										8.00		
			Borehole discontinued at 8.00m depth. Target depth achieved.											
	1	9												

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 5.0m, AD/T to 8.0m.
REMARKS: *Field replicate BD1/20230815 taken from 5.1-5.3m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334758.7, N:6241633.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH329D
PROJECT No: 219609.01
DATE: 14/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS
	9	0.00	FILL / Silty SAND: dark brown, dark grey and brown; fine to medium; low to medium plasticity silt; with sandstone gravel; trace rootlets, slag, ash and igneous gravel.		FILL	ND	M		ES	0.10	0.10	PID	<1ppm
										0.30	0.30		
									ES	0.50	0.50	PID	<1ppm
										0.70	0.70		
	9	0.80	FILL / SAND: grey-brown and brown; fine; with slag, trace ash and sandstone gravel.		FILL	ND	M		ES	0.90	0.90	PID	<1ppm
	1									1.10	1.10		
									ES	1.40	1.40	PID	1ppm
										1.60	1.60		
	8	1.80	FILL / SAND: grey-brown; fine to medium; trace sandstone gravel.		FILL	ND	M		ES	1.90	1.90		
	2									2.10	2.10	PID	3ppm
									ES	2.40	2.40	PID	9ppm
										2.60	2.60		
	7	2.80	SAND: pale grey; fine; strong hydrocarbon odour, hydrocarbon staining.		AEO	ND	M		ES	2.90	2.90	PID	3392ppm
	3									3.10	3.10		
									ES	3.40	3.40	PID	>5000ppm
										3.60	3.60		
	6												
	4		From 4.40m: no hydrocarbon staining						ES	4.00	4.00	PID	2393ppm
										4.20	4.20		
									ES	4.50	4.50	PID	1449ppm
▼ 14/08/23 09:00	5									4.70	4.70		
Free groundwater observed below 5.0m depth									ES	5.00	5.00	PID	860ppm
										5.20	5.20		
	4						W		ES	5.50	5.50	PID	667ppm
										5.70	5.70		
	6		From 6.50m-6.90m: slight hydrocarbon odour						ES	6.00	6.00	PID	60ppm
										6.20	6.20		
									ES	6.50	6.50	PID	4ppm
	3									6.70	6.70		
		6.90	SAND: grey and dark grey; fine; slight sulphuric odour.			ND	W		ES	6.90	6.90	PID	1ppm
			Borehole discontinued at 7.00m depth. Target depth achieved.							7.00			
	2												
	8												
	1												
	9												
	0												

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 5.0m, AD/T to 7.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.1 AHD
COORDINATE: E:334780.3, N:6241620.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH330
PROJECT No: 219609.01
DATE: 29/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
29/08/23 No Free Groundwater Observed	10	0	FILL / Silty SAND: dark brown; fine to medium; low to medium plasticity silt; trace rootlets, timber, slag, asphaltic concrete, concrete and sandstone gravel.		FILL	ND	M		ES		0.10	PID	3ppm
											0.30		
									ES		0.50	PID	3ppm
											0.70		
	9	1							ES		1.00	PID	2ppm
											1.20		
									ES		1.50	PID	4ppm
											1.70		
	8	2	From 2.00m: dark brown and yellow-brown						ES		2.00	PID	33ppm
											2.20		
			Borehole discontinued at 2.40m depth. Refusal on possible concrete boulder within fill.										
	7	3											
	6	4											
	5	5											
	4	6											
	3	7											
	2	8											
	1	9											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: PT to 2.4m.
CASING: Uncased
REMARKS: Base of soil vapour implant installed at 1.1m, bentonite backfill from 1.2-2.4m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334773.6, N:6241615.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH331
PROJECT No: 219609.01
DATE: 28/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	10	0	FILL / Silty SAND: dark brown; fine; low to medium plasticity silt; with sandstone gravel, trace rootlets, ash and igneous gravel.		FILL	ND	M		ES	0.10	0.10	PID	4ppm	Sand	
										0.30	0.30				
									ES	0.50	0.50	PID	8ppm		
										0.70	0.70				
	9	1							ES	1.00	1.00	PID	7ppm		
										1.20	1.20				
									ES	1.50	1.50	PID	9ppm		
										1.70	1.70				
	8	2	From 2.50m: trace slag, glass, asphaltic concrete and brick fragments, slight hydrocarbon odour						ES	2.00	2.00	PID	14ppm		
										2.20	2.20				
									ES	2.50	2.50	PID	23ppm		
										2.70	2.70				
	7	3	From 3.00m: with metal, fabric and plastic, strong hydrocarbon odour						ES	3.00	3.00	PID	>5000ppm	Bentonite	
										3.20	3.20				
		3.80													
	6	4	FILL / SAND: pale brown and dark brown; fine to medium; strong hydrocarbon odour; trace sandstone gravel.		FILL	ND	M		ES	3.90	3.90	PID	>5000ppm		
										4.10	4.10				
			From 4.70m: dark brown, hydrocarbon staining												
	5	5.00	FILL / Clayey SAND: dark grey; fine; medium to high plasticity clay; strong hydrocarbon odour, dark grey hydrocarbon staining; trace igneous gravel.		FILL	ND	M		ES	4.80	4.80	PID	>5000ppm		
										5.00	5.00				
									ES	5.20	5.20	PID	>5000ppm		
										5.40	5.40				
									ES	5.70	5.70	PID	>5000ppm		
	4	6					W			5.90	5.90				
▼ 28/08/23 09:00 Free groundwater observed below 6.0m depth		6.20	SAND: dark brown; fine; strong hydrocarbon odour.						ES	6.30	6.30	PID	>5000ppm		
										6.50	6.50				
	3	7							ES	6.80	6.80	PID	3864ppm		
										7.00	7.00				
			From 7.30m: slight hydrocarbon odour, strong sulphuric odour		EST possibly AEO	ND	W		ES	7.30	7.30	PID	2424ppm		
										7.50	7.50				
	2	8							ES	7.80	7.80	PID	1067ppm		
										8.00	8.00				
									ES	8.30	8.30	PID	3460ppm		
										8.50	8.50				
	1	9	Borehole discontinued at 9.00m depth. Target depth achieved.						ES	8.80	8.80	PID	60ppm		
											9.00				

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 6.0m, AD/T to 9.0m.
REMARKS: Borehole collapse 7.3-9.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Nil

Generated with CORE-GS by Geroc - Soil Log

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 8.9 AHD
COORDINATE: E:334761.7, N:6241587.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH332
PROJECT No: 219609.01
DATE: 29/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED									SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
29/08/23 No Free Groundwater Observed	8.8	0.30	FILL / Silty SAND: dark brown; fine to medium; low to medium plasticity silt; trace sandstone and igneous gravel.		FILL	ND	M		ES	0.10 - 0.30	0.10 0.30	PID	5ppm
	8.1	1	FILL / SAND: brown and dark brown; fine to medium; with concrete, sandstone and igneous gravel; trace plastic, fabric, metal, brick fragments and orange resin.		FILL	ND	M		ES	0.40 - 0.60	0.40 0.60	PID	3ppm
			Borehole discontinued at 1.20m depth. Refusal on possible metal plate within fill.						ES	1.00 - 1.20	1.00 1.20	PID	3ppm

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 1.2m.
REMARKS: Base of soil vapour implant installed at 1.1m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 8.8 AHD
COORDINATE: E:334779.9, N:6241581.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH333
PROJECT No: 219609.01
DATE: 29/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
	8	0.00	FILL / Clayey SAND: dark brown and dark grey; fine to medium; low to medium plasticity clay; trace slag, igneous and sandstone gravel.		FILL	ND	M		ES	0.10–0.30	0.10	PID	4ppm
									ES	0.50–0.70	0.30		
	1		From 1.00m: with brick fragments						ES	1.00–1.20	0.50	PID	5ppm
									ES	1.50–1.70	0.70		
	7	1.90	FILL / Gravelly CLAY: pale grey; low to medium plasticity; fine to medium, sandstone, siltstone and slag gravel.		FILL	ND	M		ES	2.00–2.20	1.00	PID	2ppm
		2.30	FILL / SAND: dark grey; fine to medium; with igneous and sandstone gravel, trace plastic.		FILL	ND	M		ES	2.40–2.60	1.20		
	6										1.50	PID	4ppm
	3								ES	3.00–3.20	1.70		
	5										2.00	PID	10ppm
	4										2.20		
											2.40	PID	12ppm
											2.60		
											3.00	PID	10ppm
											3.20		
											4		
		4.50	FILL / SAND: dark brown and dark grey; fine; trace sandstone gravel.		FILL	ND	M		ES	4.50–4.70	4.50	PID	10ppm
	4										4.70		
	5								ES	5.00–5.20	5.00	PID	14ppm
▼ 29/08/23 0900											5.20		
Free groundwater observed below 5.5m depth							W		ES	5.50–5.70	5.50	PID	8ppm
	3	5.70	SAND: pale brown; fine.		EST possibly AEO	ND	W				5.70		
	6								ES	5.80–6.00	5.80	PID	8ppm
											6.00		
	2								ES	6.30–6.50	6.30	PID	3ppm
	7										6.50		
									ES	6.80–7.00	6.80	PID	<1ppm
											7.00		
	1		Borehole discontinued at 7.50m depth. Target depth achieved.						ES	7.30–7.50	7.30	PID	<1ppm
	8										7.50		
	0												
	9												
	-1												

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ
METHOD: PT to 5.0m, AD/T to 7.5m.
CASING: Uncased
REMARKS: Base of soil vapour implant installed at 1.1m, bentonite backfill from 1.2-7.5m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 8.8 AHD
COORDINATE: E:334789.0, N:6241576.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH334
PROJECT No: 219609.01
DATE: 29/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
	8	0	FILL / SAND: dark brown; fine to medium; trace rootlets, concrete, igneous and sandstone gravel.		FILL	ND	M		ES	0.10 - 0.30	0.10	PID	2ppm
									ES	0.50 - 0.70	0.50	PID	7ppm
	1	1							ES	1.00 - 1.20	1.00	PID	5ppm
	7		From 2.00m: slight sweet chemical odour						ES	1.50 - 1.70	1.50	PID	20ppm
	2	2							ES	2.00 - 2.20	2.00	PID	357ppm
	6								ES	2.50 - 2.70	2.50	PID	751ppm
		2.90	FILL / Gravelly SAND: pale brown, dark brown and grey; fine to coarse; fine to medium, sandstone and igneous gravel; trace plastic, rubber, fabric, ash, slag. Igneous and sandstone gravel.		FILL	ND	M		ES	3.00 - 3.20	3.00	PID	284ppm
	3	3.20	FILL / Silty SAND: brown and dark brown; fine to medium; medium to high plasticity silt; trace igneous and sandstone gravel; slight sweet chemical odour.		FILL	ND	M		ES	3.50 - 3.70	3.50	PID	9ppm
	5	4									4		
	4								ES	4.50 - 4.70	4.50	PID	5ppm
		5									5		
▼ Free groundwater observed below 5.6m depth 29/07/23 09:00							W		ES	5.50 - 5.70	5.50	PID	2ppm
		5.90	SAND: dark brown; fine; sulphuric odour.		EST possibly AEO	ND	W		ES	6.00 - 6.20	6.00	PID	5ppm
	2								ES	6.30 - 6.50	6.30	PID	2ppm
	7								ES	6.80 - 7.00	6.80	PID	8ppm
	1								ES	7.30 - 7.50	7.30	PID	4ppm
	8								ES	7.80 - 8.00	7.80	PID	4ppm
			Borehole discontinued at 8.00m depth. Target depth achieved.										
	0												
	9												
	-1												

BACKFILL: Sand; Bentonite; Gravel
WELL PIPE

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: PT to 6.0m, AD/T to 8.0m.
REMARKS: Borehole collapse 7.5-8.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334623.4, N:6241714.9
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH335
PROJECT No: 219609.01
DATE: 24/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]/ DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
		0.17	CONCRETE			NA					0.20	PID	4ppm
		0.40	FILL / SAND: brown; fine; trace concrete gravel.		FILL	ND	M		ES		0.40		
			FILL / SAND: pale grey; fine.		FILL	ND	M		ES		0.50	PID	2ppm
		1.00	FILL / SAND: dark brown and pale grey; fine to medium; trace ash and sandstone gravel.		FILL	ND	M		ES		0.70		
		1.50	SAND: pale grey; fine.						ES		1.10	PID	2ppm
									ES		1.30		
									ES		1.70	PID	<1ppm
									ES		1.90		
									ES		2.70	PID	<1ppm
							M		ES		2.90		
									* ES		3.70	PID	<1ppm
					AEO	ND			* ES		3.90		
▼ Free groundwater observed below 4.7m depth 24/08/23 09:00											4.70	PID	<1ppm
											4.90		
							W		ES		5.70	PID	<1ppm
									ES		5.90		
		7.00	Borehole discontinued at 7.00m depth. Target depth achieved.						ES		6.70	PID	<1ppm
											6.90		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
OPERATOR: Matrix Drilling
LOGGED: PJ

METHOD: DT to 0.17m, PT to 5.0m, AD/T to 7.0m.
CASING: Uncased

REMARKS: Location inside building. GPS coordinates were estimated using Metromap. Surface level not able to be recorded by dGPS. Field replicate sample BD5/20230824 taken from 3.7-3.9m and BD6/20230824 taken from 4.7-4.9m.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.7 AHD
COORDINATE: E:334617.8, N:6241731.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH336
PROJECT No: 219609.01
DATE: 24/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
24/08/23 No Free Groundwater Observed	0.10	CONCRETE			NA							
	0.30	FILL / SAND: dark grey; fine to coarse; with igneous gravel; trace timber.		FILL	ND	M		ES		0.20 0.30	PID	2ppm
	0.50	FILL / SAND: pale brown; fine to coarse; trace igneous gravel.		FILL	ND	M		ES		0.40 0.50	PID	3ppm
		FILL / SAND: pale grey; fine to coarse; trace igneous gravel.		FILL	ND	M		ES		0.60 0.70	PID	3ppm
	1.00	FILL / SAND: pale brown; fine to coarse; trace igneous and siltstone gravel. From 1.20m: pale grey		FILL	ND	M		ES		0.90 1.00	PID	4ppm
	1.40	FILL / SAND: pale to dark brown and pale grey; fine to coarse; with igneous and siltstone gravel.		FILL	ND	M		ES		1.10 1.20	PID	3ppm
	2.00	FILL / SAND: brown and dark brown; fine to coarse; trace siltstone gravel.		FILL	ND	M		ES		1.30 1.40 1.50 1.60 1.70 1.80 1.90 2.00	PID PID PID PID PID	7ppm 5ppm 3ppm 5ppm 5ppm
	2.70	SAND: pale grey; fine.		AEO	ND	M	*	ES		2.40 2.60 2.70 2.90	PID	4ppm 5ppm
	3	Borehole discontinued at 3.00m depth. Target depth achieved.										

NOTES: [#]Soil origin is "probable" unless otherwise stated. [^]Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hand tools
METHOD: DT to 0.1m, HA to 3.0m.
REMARKS: *Field replicate BD7/20230824 taken from 2.7-2.9m.

OPERATOR:

LOGGED: NW
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334612.7, N:6241738.9
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH337
PROJECT No: 219609.01
DATE: 25/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	RESULTS AND REMARKS
		0.17	CONCRETE			NA							
		0.40	FILL / SAND: brown and dark brown; fine to coarse; with slag; trace ash, igneous and sandstone gravel.		FILL	ND	M		ES		0.20	PID	4ppm
											0.40		
									ES		0.50	PID	2ppm
											0.70		
	9	1	FILL / SAND: brown and pale grey; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		1.00	PID	3ppm
											1.20		
		1.40	FILL / SAND: dark brown and pale grey; fine to medium; trace slag and sandstone gravel.		FILL	ND	M		ES		1.50	PID	7ppm
	8	2									1.70		
									ES		2.00	PID	4ppm
		2.30	SAND: pale grey; fine.								2.20		
									ES		2.40	PID	4ppm
											2.60		
	7	3					M		ES		2.80	PID	<1ppm
											3.00		
											3.80	PID	<1ppm
	6	4							ES		4.00		
▼											4.80	PID	<1ppm
Free groundwater below 4.9m depth 25/08/23 09:00	5	5			AEO	ND			ES		5.00		
											5.80	PID	<1ppm
	4	6							ES		6.00		
			From 6.50m: becoming grey, possibly estuarine origin				W				6.80	PID	<1ppm
	3	7							* ES		7.00		
											7.80	PID	<1ppm
	2	8							* ES		8.00		
	1	9	Borehole discontinued at 8.00m depth. Target depth achieved.										
	0												

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.17m, PT to 6.0m, AD/T to 8.0m.
REMARKS: *Field replicate BD3/20230825 taken from 6.8-7.0m and BD4/20230825 taken from 7.8-8.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49 Stephen Road, Banksmeadow

SURFACE LEVEL: 9.9 AHD
COORDINATE: E:334597.0, N:6241746.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH338
PROJECT No: 219609.01
DATE: 25/08/23
SHEET: 1 of 1

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
		0.17	CONCRETE			NA									
			FILL / SAND: brown; fine to medium; trace slag and sandstone gravel.		FILL	ND	M		ES		0.20	PID	4ppm	Sand	
											0.40				
									ES		0.50	PID	2ppm		
											0.70				
									ES		1.00	PID	3ppm		
											1.20				
									ES		1.50	PID	4ppm		
											1.70				
		2.00	SAND: pale grey; fine.								2				
									ES		2.10	PID	1ppm		
											2.30				
									ES		2.80	PID	2ppm		
											3.00			Bentonite	
							M								
									ES		3.80	PID	<1ppm		
											4.00				
									ES		4.80	PID	<1ppm		
▼					AEO	ND					5.00				
Free groundwater below 5.3m depth 25/08/23 09:00			From 5.30m: slight hydrocarbon odour												
									ES		5.80	PID	25ppm		
											6.00				
							W								
			From 6.70m: becoming grey, possibly estuarine origin						ES		6.80	PID	8ppm		
											7.00				
											7.80	PID	7ppm	Sand	
		8						ES*	ES		8.00				
			Borehole discontinued at 8.00m depth. Target depth achieved.												
											9				

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.17m, PT to 6.0m, HSA to 8.0m.
REMARKS: *Field replicate BD1/20230825 taken from 7.8-8.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Nil

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 10.0 AHD
COORDINATE: E:334542.2, N:6241740.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH339
PROJECT No: 219609.01
DATE: 25/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(^) / DENSITY.(^)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
	10 / 0.18	CONCRETE			NA							
		FILL / SAND: dark brown and pale grey; fine to medium; trace ceramic and sandstone gravel.		FILL	ND	M		ES		0.20	PID	4ppm
										0.40		
								ES		0.50	PID	3ppm
										0.70		
	9 / 0.90	FILL / SAND: pale yellow-brown; fine to medium; trace sandstone gravel.		FILL	ND	M		ES		1.00	PID	2ppm
										1.20		
	1.50	SAND: pale grey and yellow; fine.						ES		1.60	PID	2ppm
	8 / 2									1.80		
										2		
								ES		2.30	PID	1ppm
										2.50		
	7 / 3							ES		2.80	PID	<1ppm
										3.00		
						M						
	6 / 4							ES		3.80	PID	<1ppm
										4.00		
				AEO	ND							
	5 / 5							* ES		4.80	PID	<1ppm
▼										5.00		
Free groundwater observed below 5.5m depth 28/08/23 09:00												
	4 / 6							ES		5.80	PID	<1ppm
										6.00		
						W						
	3 / 7							ES		6.80	PID	4ppm
										7.00		
	2 / 8							* ES		7.80	PID	3ppm
										8.00		
	1 / 9	Borehole discontinued at 8.00m depth. Target depth achieved.										

NOTES: (#) Soil origin is "probable" unless otherwise stated. (^) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.18m, PT to 6.0m, AD/T to 8.0m.
REMARKS: *Field replicate BD2/20230828 taken from 4.8-5.0m and BD3/20230828 taken from 7.8-8.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 12.9 AHD
COORDINATE: E:334502.9, N:6241783.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH340
PROJECT No: 219609.01
DATE: 28/08/23 - 25/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
28/08/23 No Free Groundwater Observed	12.9 / 0.00	CONCRETE			NA							
	0.28	FILL / SAND: brown; fine to medium; trace roots and sandstone gravel.		FILL	ND	M		ES		0.30	PID	4ppm
	0.70	FILL / Gravelly SAND: dark brown; fine to medium; fine to medium, igneous gravel; with slag.		FILL	ND	M		ES		0.50		
	12 / 1.00	FILL / SAND: pale grey and brown; fine; trace roots.		FILL	ND	M		ES		0.80	PID	4ppm
								ES		1.00		
								ES		1.10	PID	1ppm
										1.30		
	11 / 2							ES		1.60	PID	3ppm
	2.10	FILL / SAND: pale grey; fine; trace roots. From 2.40m: no roots		FILL	ND	M				1.80		
										2		
								ES		2.30	PID	<1ppm
										2.50		
	10 / 3							ES		2.80	PID	<1ppm
	3.10	FILL / SAND: dark brown; fine.		FILL	ND	M				3.00		
	3.50	SAND: pale grey; fine.		AEO	ND	M		ES		3.20	PID	2ppm
										3.40		
	9 / 4							ES		3.60	PID	<1ppm
										3.80		
										4		
	8 / 5							ES		4.60	PID	<1ppm
										4.80		
										5		
	7 / 6							ES		5.60	PID	<1ppm
										5.80		
		Borehole discontinued at 6.00m depth. Target depth achieved.										
	6 / 7											
	5 / 8											
	4 / 9											
	3											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.28m, PT to 6.0m.
REMARKS:

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

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BOREHOLE LOG

CLIENT: ESR Australia
PROJECT: Proposed Industrial Development
LOCATION: 49-61 Stephen Road, Banksmeadow

SURFACE LEVEL: 12.0 AHD
COORDINATE: E:334512.8, N:6241642.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH341
PROJECT No: 219609.01
DATE: 28/08/23
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
28/08/23 No Free Groundwater Observed	12 / 0.20	CONCRETE			NA							
	11 / 1 / 1.10	FILL / SAND: dark brown; fine to medium; trace slag, igneous and sandstone gravel.		FILL	ND	M		ES		0.20 0.40	PID	3ppm
								ES		0.70 0.90	PID	4ppm
	10 / 2	FILL / SAND: pale grey and brown; fine; trace ash and sandstone gravel.		FILL	ND	M		ES		1.20 1.40	PID	5ppm
								ES		1.70 1.90	PID	2ppm
	9 / 3 / 3.10	SAND: pale grey; fine.		AEO	ND	M		ES		2.30 2.50	PID	<1ppm
								ES		2.80 3.00	PID	<1ppm
	8 / 4							ES		3.20 3.40	PID	2ppm
								ES		3.80 4.00	PID	<1ppm
	7 / 5							ES		4.80 5.00	PID	<1ppm
	6 / 6							* ES		5.80 6.00	PID	<1ppm
	5 / 7	Borehole discontinued at 6.00m depth. Target depth achieved.										
	4 / 8											
	3 / 9											
	2											

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Geoprobe
METHOD: DT to 0.2m, PT to 6.0m.
REMARKS: *Field replicate BD1/20230828 taken from 5.8-6.0m.

OPERATOR: Matrix Drilling

LOGGED: PJ
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

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