



**Waste Analysis and Waste Classification Report  
STC-277-11040 / WAC1 / v1 final**

**1. INTRODUCTION AND BACKGROUND**

**General**

A.D. Envirotech Australia Pty Ltd (ADE) was commissioned by Affordable Demolition to undertake a Waste Classification Assessment of the in situ virgin soil materials located at 17-19 Soudan Street, Merrylands NSW.

**Site Information**

**Table 1.** Summary of Site information and Project information.

Site and Project Details	
<b>Client:</b>	Affordable Demolition
<b>ADE Report No:</b>	STC-277-11040 / WAC1 / v1 final
<b>Site Location:</b>	17-19 Soudan Street, Merrylands NSW
<b>Date of Fieldwork:</b>	06.09.2016
<b>Date of Report:</b>	09.09.2016
<b>Area Inspected:</b>	Construction site at 17-19 Soudan Street, Merrylands NSW, irregular shaped vacant lot, in situ virgin soil materials occur from approximately 0.6 m below ground level (BGL) and extend to greater depths. It should be noted that the overlying fill materials are not included within the subject area and outside the scope of this report ( <i>refer to Appendix I – Aerial Photograph and Appendix II – Photographs</i> ).
<b>Approximate Volume:</b>	4,000 m <sup>3</sup>
<b>Approximate Area:</b>	2,000 m <sup>2</sup>
<b>Sample Size:</b>	Four (4) soil samples for chemical characterization Four (4) soil samples for the analysis of asbestos
<b>Inspection Details:</b>	In situ virgin soil materials consisting of medium to high plasticity, light grey/reddish brown clay. Foreign materials, paint chips, sulphidic ores, hydrocarbon odours/staining and asbestos containing materials (ACM) were not observed in any of the materials inspected ( <i>refer to Appendix II - Photographs</i> ).

**2. OBJECTIVES**

The objective of the works issued to ADE by the client was to classify the in situ virgin soil materials located within the subject area, in accordance with the NSW EPA *Waste Classification Guidelines Part 1: Classifying*

Waste for off-site disposal and the Maryland Development Company Pty Ltd Imported Fill Protocol (JBS&G 2015).

### 3. SCOPE OF WORK

The scope of work required to achieve the objectives of the investigation involved the following:

- Completion of a Safety, Health & Environment Work Method Statement (SH&EWMS) prior to undertaking works;
- Inspection of the subject area;
- Collection of discrete samples for waste classification;
- Cold storage of all samples collected;
- Submission to a National Association of Testing Authorities (NATA) Accredited laboratory for analysis under Chain of Custody (CoC) conditions;
- Laboratory analysis of samples for Heavy Metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn), Total Recoverable Hydrocarbons (TRH), Benzene, Toluene, Ethyl-Benzene and Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs), Organochlorine Pesticides (OCPs), Organophosphorous Pesticides (OPPs), Polychlorinated Biphenyls (PCBs), Potential Hydrogen (pH), Electrical Conductivity (EC) and Asbestos;
- Evaluation of analyte concentrations against the NSW EPA Waste Classification criteria for off-site disposal;
- Evaluation of analyte concentrations against the Maryland Development Company Pty Ltd Imported Fill Protocol (JBS&G 2015); and
- Preparation of a report outlining the investigation methodology, interpretation of the site data (results), classification and conclusions.

### 4. SAMPLING PLAN, METHODOLOGY, FIELD INVESTIGATIONS AND INVESTIGATION PATTERN

ADE was advised by the client that approximately 4,000 m<sup>3</sup> of virgin soil materials are to be excavated as part of the upcoming development works.

A sampling regime was developed by ADE in order to classify the in situ virgin soil materials which involved excavating test pits in addition to a visual inspection. A total of four (4) discrete samples were collected for waste classification on 06.09.2016

ADE was not supplied with any former investigative reports or anecdotal information pertaining to the contamination status of the soil materials of the subject area prior to sampling.

- **Acid Sulphate Soils**

A review of the Australian Soil Resource Information System (ASRIS) was undertaken to determine the potential for Acid Sulphate Soil (ASS) at the site. The site was identified as to have 'No Known Occurrence' in regards to ASS risk (*refer to Appendix III – Supporting Documents*). No visual (staining) or olfactory (odours) indicators for ASS were observed in any of the soil materials.

- **Equipment Decontamination**

All sampling equipment comprised of dedicated disposable materials (e.g. nitrile gloves) which were changed between each sample. As such, additional decontamination procedures were not deemed necessary. All disposable sampling equipment and rubbish was collected and removed prior to leaving site.

- **Documentation**

A field observation log was kept by sampling personnel. Details recorded in the log included:

- Location and sample number; soil profile notes; sampling method; sample identification; sample description; and sample point measurements.

A comprehensive master sample register was maintained. As samples were received, they were given a unique sequential number from the sample register into which details from the labels were entered. Before packing and dispatch of samples for analysis, a CoC form was completed. This form recorded details of the individual samples being dispatched and the type of analysis required for each sample.

All samples were submitted to ADE's Environmental and OH&S Laboratory, a NATA accredited laboratory for analytical testing. A copy of the completed CoC forms were retained on the Central Filing System and the original was sent to the analytical laboratory together with the samples (*refer to Appendix V – Chain of Custody*).

- **Field Investigations**

Overlying fill materials were present from 0.0 m to 0.6 m BGL. ADE recommends this material is stripped and removed from site prior to the excavation and export of the virgin soil materials.

In situ virgin soil materials consisted of a medium to high plasticity, light grey/reddish brown orange clay. Foreign materials, paint chips, sulphidic ores, hydrocarbon odours/staining and ACM were not observed in any of the soil materials inspected (*refer to Appendix I – Aerial Photograph and Appendix II - Photographs*).

- **Sampling**

Field activities were conducted by an experienced Environmental Scientist. The samples were placed in sterile glass jars with Teflon lined lids.

Each sample jar was well protected by packaging material. Ice packs were inserted in the cooler box to maintain the samples at a temperature below approximately 4°C. The original CoC form was enclosed in the cooler box that was then sealed and dispatched to a NATA Accredited analytical laboratory.

**Table 2.** Summary of samples collected.

<b>Test Pit</b> <i>(refer to Appendix I – Aerial Photograph)</i>	<b>Sample I.D</b>	<b>Sample Type</b>	<b>Sample Description</b>
<b>Test Pit 1</b>	WAC1-TP1 WAC1-TP1-ASB1	Soil (chemical analysis) Soil (asbestos analysis)	Medium to high plasticity, light grey/reddish brown clay.
<b>Test Pit 2</b>	WAC1-TP2 WAC1-TP2-ASB2	Soil (chemical analysis) Soil (asbestos analysis)	Medium to high plasticity, light grey/reddish brown clay.
<b>Test Pit 3</b>	WAC1-TP3 WAC1-TP3-ASB3	Soil (chemical analysis) Soil (asbestos analysis)	Medium to high plasticity, light grey/reddish brown clay.
<b>Test Pit 4</b>	WAC1-TP4 WAC1-TP4-ASB4	Soil (chemical analysis) Soil (asbestos analysis)	Medium to high plasticity, light grey/reddish brown clay.

## 5. SUMMARY OF RESULTS

The details of the analysis results are summarised in **Table 3**. Explanatory notes are given at the end of the table (*refer to Appendix IV – Analytical Reports*).

The concentrations of metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn), Total Recoverable hydrocarbons (TRH), benzene, toluene, ethyl-benzene, xylene (BTEX), polycyclic-aromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs), organophosphate pesticides (OPPs) and Polychlorinated Biphenyls (PCBs) in the soil samples collected from the subject area meet the criteria for classification as Virgin Excavated Natural Material (VENM) (*refer to **Table 3** below and Appendix IV – Analytical Reports*).

The EC results comply with the chemical concentrations listed in The Excavated Natural Material Order 2014 (*refer to **Table 3** below and Appendix IV – Analytical Reports*).

The pH results comply with the chemical concentrations listed in The Excavated Natural Material Order 2014 (*refer to **Table 3** below and Appendix IV – Analytical Reports*).

Asbestos was not observed within the soil materials or detected within the samples collected (*refer to Appendix IV – Analytical Reports*).

Foreign materials, paint chips, and sulphidic ores were not observed within the soil materials.

**Table 3.** Summary of analytical results for subject soil materials.

Site Assessment Criteria (SAC)					Results	Conclusion
Analytes	Maximum Values of Total Concentration Assigned for General Solid Waste CT1/CT2, mg/kg	Maximum Values of Total Concentration Assigned for General Solid Waste TCLP1 (mg/L)/ SCC1 (mg/kg)	Background Ranges <sup>1</sup>	Maximum Average / Absolute Maximum Concentration <sup>2</sup>	Maximum Concentration Detected (mg/kg)	Virgin Excavated Natural Material (VENM)
<b>Metals</b>						
Arsenic	100/400	5/500	1-50	-	28	Acceptable
Cadmium	20/80	1/100	1	-	ND	Acceptable
Chromium	100/400	5/1900	5-1000	-	39	Acceptable
Copper	NA	NA	2-100	-	17	Acceptable
Lead	100/400	5/1500	2-200	-	16	Acceptable
Mercury	4/16	0.2/50	0.03	-	ND	Acceptable
Nickel	40/160	2/1050	5-500	-	ND	Acceptable
Zinc	NA	NA	10-300	-	ND	Acceptable
<b>TRH</b>						
TRH Fraction C <sub>6</sub> -C <sub>10</sub>	NA	NA/650	-	-	ND	Acceptable
TRH Fraction C <sub>10</sub> -C <sub>40</sub>	NA	NA/10000	-	-	ND	Acceptable
TRH Fraction C <sub>10</sub> -C <sub>16</sub>	NA	NA	-	-	ND	Acceptable
TRH Fraction C <sub>16</sub> -C <sub>34</sub>	NA	NA	-	-	ND	Acceptable
TRH Fraction C <sub>34</sub> -C <sub>40</sub>	NA	NA	-	-	ND	Acceptable
<b>OCP/OPP</b>						
DDT + DDD + DDE	NA	NA	-	-	ND	Acceptable
Chlordane	NA	NA	-	-	ND	Acceptable
Aldrin + Dieldrin	NA	NA	-	-	ND	Acceptable
Endosulfan	60/240	3/108	-	-	ND	Acceptable
<b>PCB</b>						
Total PCBs	<50/<50	NA/<50	-	-	ND	Acceptable
<b>PAH</b>						
Benzene	10/40	0.5/18	-	-	ND	Acceptable
Toluene	288/1152	14.4/518	-	-	ND	Acceptable
Ethyl-benzene	600/2400	30/1080	-	-	ND	Acceptable
Xylenes (total)	1000/4000	50/1800	-	-	ND	Acceptable
<b>Other</b>						
Benzo(a)pyrene	0.8/3.2	0.04/10	-	-	ND	Acceptable
PAH total	NA	NA/200	-	-	ND	Acceptable
<b>Other</b>						
pH	-	-	4 – 5.5	5 to 9 / 4.5 to 10	Avg: 5.4 / Max: 5.6, Min: 5.1	Acceptable
EC	-	-	-	1.5dS/m / 3dS/m	Avg: 0.064 / Max: 0.084, Min: 0.032	Acceptable
Asbestos	-	-	-	-	ND	Acceptable

Notes to table

ND – Not detected/below Practical Quantitation Limit (PQL)

NA – Not Applicable

<sup>1</sup>Background ranges, taken from the Field Geologist's Manual, compiled by D A Berkman, Third Edition 1989. Publisher – The Australasian Institute of Mining & Metallurgy.

<sup>2</sup>Maximum average and absolute maximum concentrations for pH and EC taken from NSW EPA The Excavated Natural Material order 2014.

- **Soil Landscape of Site**

This site is situated in the lowland regions of the Cumberland Plain, between the Georges' and Parramatta Rivers in the south-west. The site is situated within the Penrith Soil Landscape, as indicated on the NSW Office of Environment and Heritage eSpade tool.

The soils of the Penrith landscape are underlain by the Wianamatta group of Ashfield shale and Bringelly shale formations. The Ashfield shale consists of laminate and dark grey siltstone. Bringelly shale consists of calcareous claystone, laminate and coal.

Soils are shallow to moderately deep (<100cm) with variability across crests and ridges. Boundaries between the soils materials are usually clear. The topsoil (A1 Horizon) consist of a friable dark brown loam, and can range from dark reddish brown to dark yellowish brown. Moderately sub angular pedal structures and rough faced porous ped fabric are consistent with the soil. The pH ranges from slightly acidic (pH 5.5) to neutral (pH 7.0) with moderately to strong pedal structure.

Beneath this layer occurs the B horizon consisting of hard-setting clay loam. The pH ranges between moderately acid (pH 5.0) to slightly acid (pH 6.5). In conjunction with the B Horizon, a strongly pedal brown to reddish brown light clay occurs. The pH varies from strongly acid (pH 4.5) to moderately acid (pH 6.5). Frequent red yellow or grey mottles occur in addition to gravel sized shale fragments. Roots and charcoal fragments are rare.

A B3 or C horizon is present as light grey plastic mottled clay, usually occurring as deep subsoil, above shale bedrock. Yellow and grey mottles are common with pH ranging from strongly acid (pH 4.0) to moderately acid (pH 5.5). Strongly weathered ironstone concentrations and rock fragments are common.

Virgin soil materials observed during the investigation were consistent with the Penrith Soil Landscape.

## 6. CONCLUSIONS

Based on the data and evidence collected in the course of the investigation, it is the opinion of A.D. Envirotech Australia Pty Ltd that:

- The concentrations of metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn), Total Recoverable hydrocarbons (TRH), benzene, ethyl-benzene, toluene, xylene (BTEX), polycyclic-aromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs), organophosphate pesticides (OPPs) and Polychlorinated Biphenyls (PCBs) in the soil samples collected from the subject area meet the criteria for classification as Virgin Excavated Natural Material (VENM);
- The EC results comply with the chemical concentrations listed in The Excavated Natural Material Order 2014;
- The pH results comply with the chemical concentrations listed in the Excavated Natural Material Order 2014;
- No asbestos was observed within any of the test pits or detected within samples collected;
- The soil material within the subject area meets the criteria outlined in the Maryland Development Company Pty Ltd Imported Fill Protocol (JBS&G 2015) with regards to Heavy Metals, TRH, BTEX, PAHs, OCPs, OPPs, PCBs, EC, pH; and
- The material being excavated and transported off-site for disposal must be from within the subject area shown on the attached figure, and must be consistent with the waste description provided. If there are any unexpected finds that are not consistent with this classification, please contact ADE immediately on (02) 8541 7214.

## 7. WASTE CLASSIFICATION

<b>Waste Description:</b>	In situ virgin soil materials consisting of medium to high plasticity, light grey/reddish brown clay. Foreign materials, paint chips, sulphidic ores, hydrocarbon odours/staining and asbestos containing materials (ACM) were not observed in any of the materials inspected.
<b>Approximate volume:</b>	<b>4,000 m<sup>3</sup></b>
<b>Waste Classification:</b>	<b>Virgin Excavated Natural Material</b>

## 8. RECOMMENDATIONS

ADE recommends the overlying fill materials are to be stripped and removed from site prior to excavation and export of the VENM.

## 9. REFERENCES

- *Waste Classification Guidelines - Part 1: Classifying Waste*, NSW EPA, November 2014.
- Australian Standard AS 4482.1 *Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds.*
- *Victorian EPA Industrial Waste Resource Guidelines for Soil Sampling, 2010.*
- *Assessment of Site Contamination, National Environment Protection (Assessment of Site Contamination) Measure, 1999 (2013 Amendment).*
- *Guidelines for the NSW Site Auditor Scheme*, NSW DEC (NSW DECC), Second Edition, April 2006.
- *Chapman, G.A and Murphy, C.L. (1989), Soil Landscapes of the Sydney 1:100 000 sheet. Soil Conservation Service of N.S.W., Sydney.*
- *The Field Geologist's Manual, compiled by D A Berkman, Third Edition 1989. Publisher – The Australian Institute of Mining and Metallurgy.*
- *Maryland Development Company Pty Ltd Imported Fill Protocol (JBS&G 2015).*

## 10. LIMITATIONS

This report has been prepared for the exclusive use of the client. ADE has used a degree of care and skill ordinarily exercised in similar investigations by reputable members of the environmental industry in Australia. No other warranty, expressed or implied, is made or intended. No one section or part of a section, of this report should be taken as giving an overall idea of this report. Each section must be read in conjunction with the whole of this report, including its appendices and attachments.

Any other party should satisfy themselves that the scope of work conducted and report herein meets their specific needs. ADE cannot be held liable for third party reliance on this document, as ADE is not aware of the specific needs of the third party.

The subsurface environment can present substantial uncertainty due to its complex heterogeneity. The conclusions presented in this report are based on limited investigation of conditions at specific sampling locations chosen to be as representative as possible under the given circumstances. However, it is possible that this investigation may not have encountered all areas of contamination at the site due to the limited sampling and testing program undertaken.

The material subject to classification pertains only to the site and subject soil materials outlined within the report and must be consistent with the waste description reported. If there are any unexpected finds that are not consistent with this classification, ADE must be notified immediately.

Only the specified material and subject area stated in this report are included within this waste classification. Adjacent areas and stockpiled material is considered outside the scope of this waste classification report.

ADE's professional opinions are based upon its professional judgement, experience, training and results from analytical data. In some cases further testing and analysis may be required, thus producing different results and/or opinions. ADE has limited its investigation to the scope agreed upon with its client.

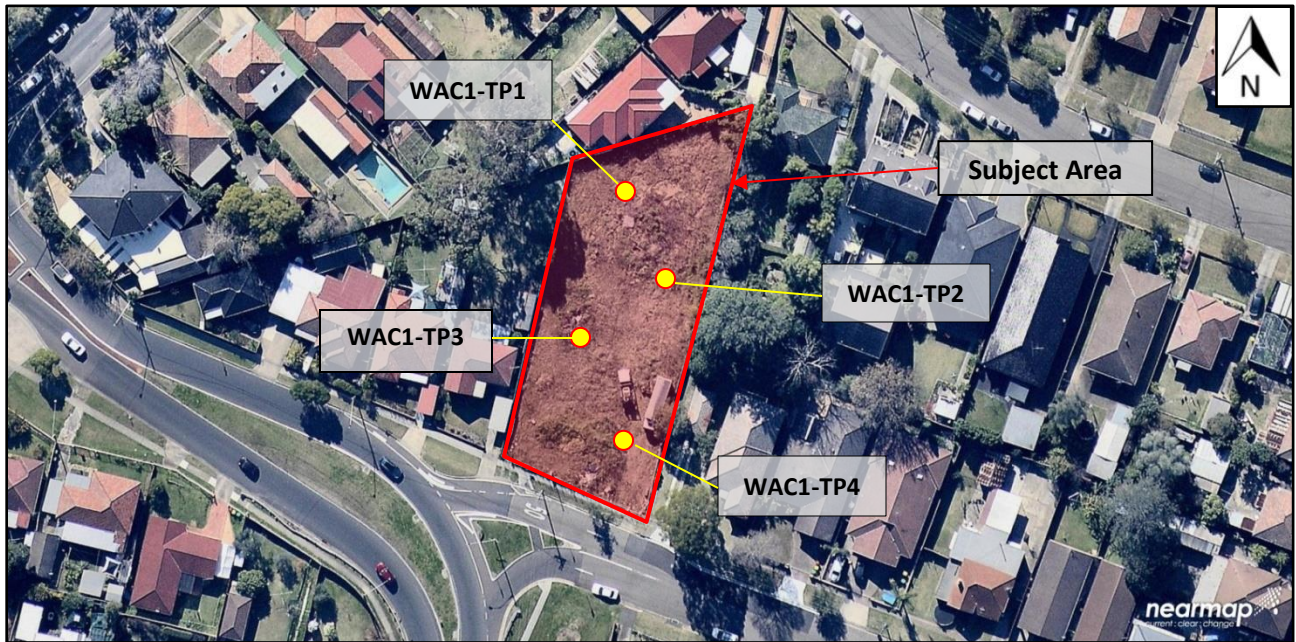


**Written by:**  
Terver Akaaga  
Environmental Consultant  
M.Env.Eng



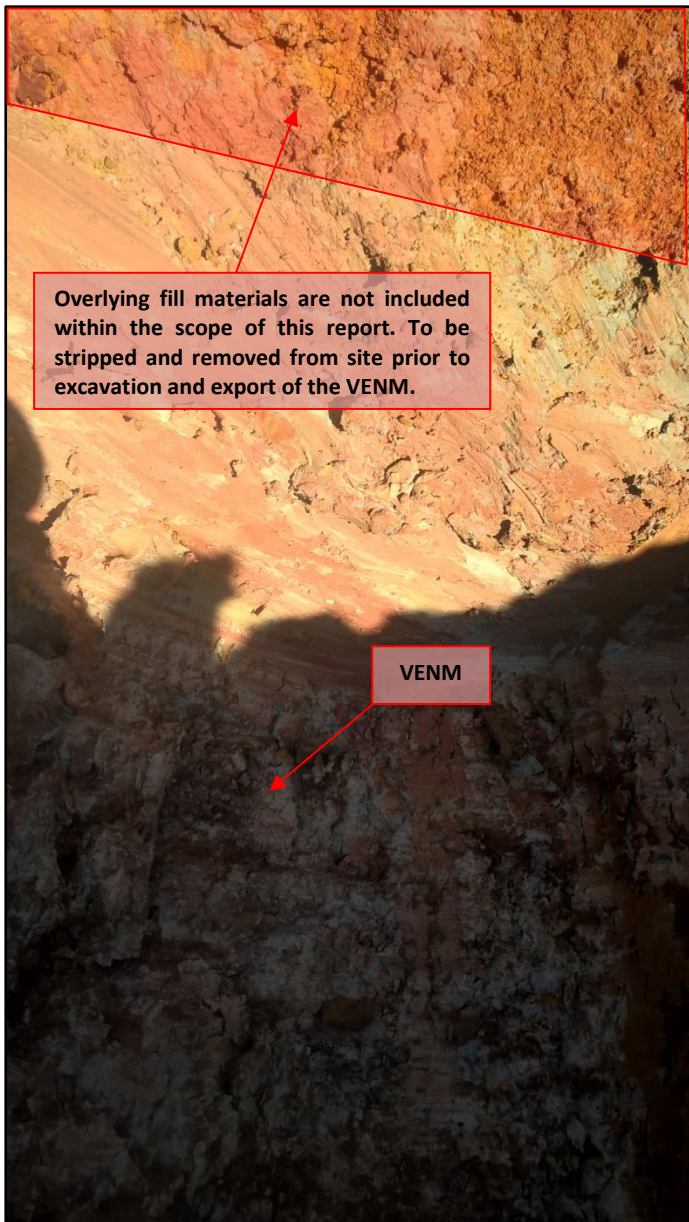
**Reviewed by:**  
Kyle McClintock  
Project Manager  
B.Sc. Hons. (Env.Sci.)

**APPENDIX I – AERIAL PHOTOGRAPH**



**Aerial Photograph 1.** Location of subject area and approximate test pit locations (map adapted from *Nearmap*; accessed 08.09.2016).

## **APPENDIX II – PHOTOGRAPHS**

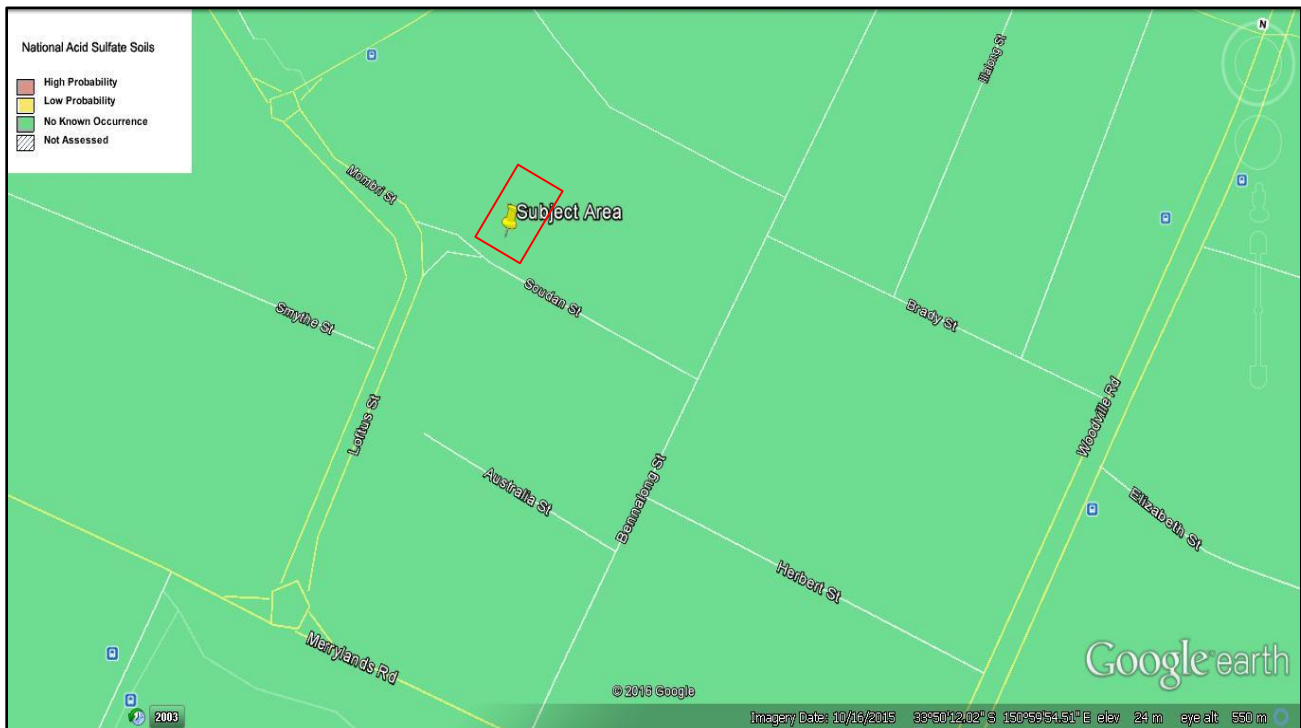


Overlying fill materials are not included within the scope of this report. To be stripped and removed from site prior to excavation and export of the VENM.

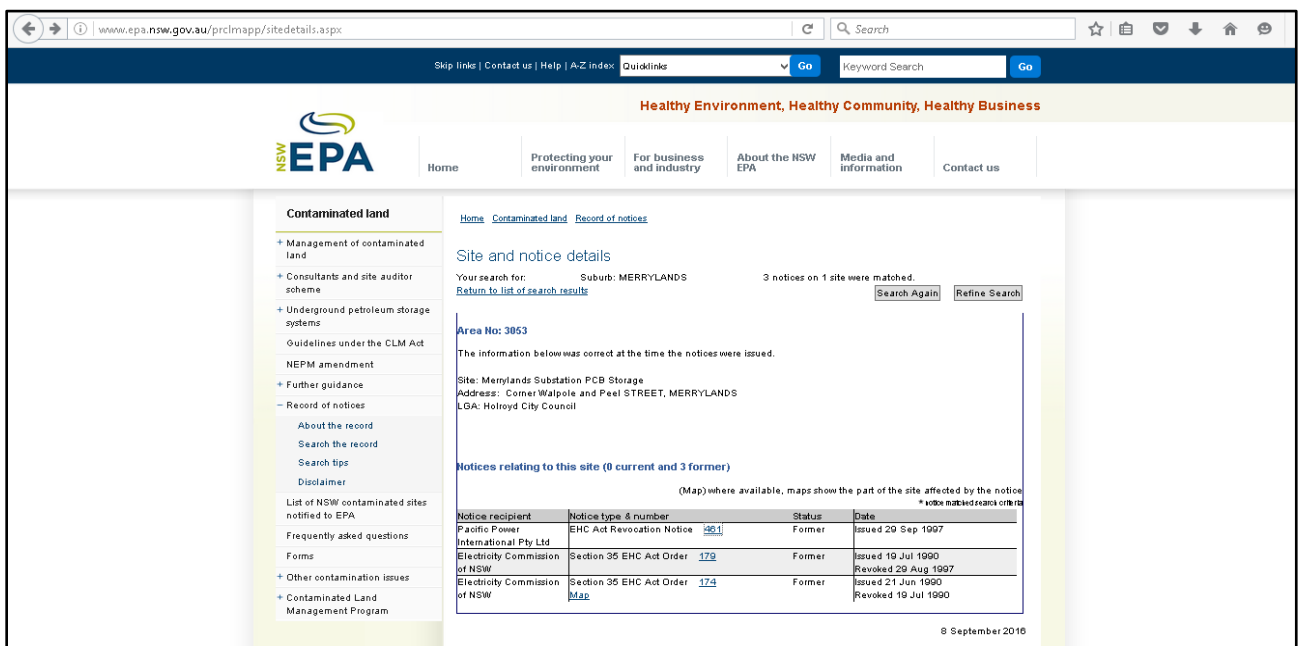
VENM

**Photograph 1.** Test pit 4, representative example of In situ virgin soil materials consisting of medium to high plasticity, light grey/reddish brown clay.

## **APPENDIX III – SUPPORTING DOCUMENTS**

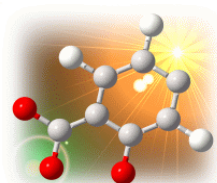


**Figure 1.** Australian Soil Resource Information (ASRIS), Acid Sulfate Soils base layer taken from *asris.csiro.au* and adapted on *Google Earth*. The source site was identified as having ‘No Known Occurrence’ with regards to ASS risk (accessed on 08.09.2016).



**Figure 2.** Screen shot of the NSW Office of Environment and Heritage (OEH) ‘Contaminated Land – Record of Notices’ listed by the NSW EPA under the *Contaminated Land Management Act 1997*. Three notices were identified for the corner of Walpole Street and Peel Street, Merrylands NSW. The contaminated site is greater than 500 metres from the subject area specified in this report and unlikely to affect the VENM at 17/19 Soudan Street, Merrylands NSW.

**APPENDIX IV – ANALYTICAL REPORTS**



## Environmental and OH&S Laboratory

A division of A. D. Envirotech Australia Pty Ltd

A.C.N. 093 452 950

Unit 4/10-11 Millennium Court,  
Silverwater 2128  
Ph: (02) 9648-6669

### Analysis report: STC-277-11040-1

**Customer:** A. D. Envirotech Australia Pty. Ltd.  
**Attention:** Kyle McClintock

### Sample Log In Details

**Your reference:** STC-277-11040-1  
**No. of Samples:** 4  
**Date Received:** 06.09.2016  
**Date completed instructions received:** 06.09.2016  
**Date of analysis:** 06-08.09.2016

### Report Details

**Report Date:** 08.09.2016  
**Method number\*\*:** ESA-MP-01  
ESA-MP-02  
ESA-P-ORG03  
ESA-P-ORG07  
ESA-P-ORG08  
ESA-P-ORG09  
ESA-P-ORG14  
ESA-P-ORG15  
ESA-P-12  
AS 1289.4.3.1  
\*ESA-P-16

### Results Authorised By:

Dr Dominika Wojtalewicz (MRACI CCHEM)  
Quality System Manager/Chemist

### **Accreditation No.14664.**

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with \*.



New South Wales Office:  
A. D. Envirotech Australia Pty Ltd  
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Silverwater, NSW 2128

Telephone:  
(02) 9648 6669  
e-mail: info@ADenvirotech.com.au

ABN: 520 934 529 50

Lab ID	PQL (mg/kg)	11040-C1	11040-C2	11040-C3	11040-C4
Sample Name		11040-WAC1-TP1	11040-WAC1-TP2	11040-WAC1-TP3	11040-WAC1-TP4
PAH					
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]anthracene	0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]pyrene	0.3	<0.3	<0.3	<0.3	<0.3
Benzo[b]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	<0.3	<0.3
Benzo[k]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3
Chrysene	0.3	<0.3	<0.3	<0.3	<0.3
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3
Pyrene	0.3	<0.3	<0.3	<0.3	<0.3
p-Terphenyl-d14	surr.	83%	92%	96%	94%
OCPs					
aldrin	0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	85%	94%	95%	95%
OPPs					
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1
PCB					
Total PCB		<0.6	<0.6	<0.6	<0.6
2-fluorobiphenyl	surr.	61%	78%	82%	79%

Lab ID	PQL (mg/kg)	11040-C1	11040-C2	11040-C3	11040-C4
Sample Name		11040-WAC1-TP1	11040-WAC1-TP2	11040-WAC1-TP3	11040-WAC1-TP4
TRH					
>C6-C10	35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50
>C16-C34	100	<100	<100	<100	<100
>C34-C40	100	<100	<100	<100	<100
BTEX					
Benzene	0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1
Fluorobenzene	surr.	97%	94%	98%	99%
Metals					
Arsenic	2	19	23	18	28
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	29	39	26	25
Copper	5	9.2	11	8.4	17
Lead	10	14	16	12	12
Mercury	0.2	<0.2	<0.2	<0.2	<0.2
Nickel	10	<10	<10	<10	<10
Zinc	5	<5	<5	<5	<5
Moisture	%	24%	26%	17%	23%
pH (average for 3 measurements)		5.6	5.1	5.3	5.4
EC	[dS/m]	0.084	0.032	0.068	0.072

Lab ID	PQL (mg/kg)	Batch Blank 1	Batch Blank spike 1	Batch Matrix spike 1	Batch Duplicate 1- Value 1	Batch Duplicate 1- Value 2	Batch Duplicate 1
Sample Name							
PAH							
Acenaphthene	0.3	<0.3	82%	69%	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	90%	77%	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	84%	72%	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	84%	72%	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	90%	77%	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	84%	72%	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.		82%	70%	92%	96%	
OCPs							
aldrin	0.1	<0.1	85%	72%	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	73%	FAIL	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	89%	76%	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
TCMX	surr.		85%	73%	95%	97%	
OPPs							
chlorpyrifos	0.1	<0.1	82%	71%	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	83%	70%	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
PCB							
Total PCB		<0.6	NT	NT	<0.6	<0.6	ACCEPT
2-fluorobiphenyl	surr.		89%	67%	80%	88%	

Lab ID	PQL (mg/kg)	Batch Blank 1	Batch Blank spike 1	Batch Matrix spike 1	Batch Duplicate 1- Value 1	Batch Duplicate 1- Value 2	Batch Duplicate 1
Sample Name							
TRH							
>C6-C10	35	<35	NT	NT	<35	<35	ACCEPT
>C10-C16	50	<50	108%	99%	<50	<50	ACCEPT
>C16-C34	100	<100	NT	NT	<100	<100	ACCEPT
>C34-C40	100	<100	NT	NT	<100	<100	ACCEPT
BTEX							
Benzene	0.5	<0.5	102%	97%	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	99%	93%	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	97%	93%	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	100%	97%	<2	<2	ACCEPT
o-Xylene	1	<1	102%	98%	<1	<1	ACCEPT
Fluorobenzene	surr.		113%	108%	103%	116%	
Metals							
Arsenic	2	<2	116%	119%	8.2	9.8	ACCEPT
Cadmium	0.3	<0.3	113%	115%	<0.3	<0.3	ACCEPT
Chromium	5	<5	120%	119%	15	15	ACCEPT
Copper	5	<5	111%	112%	11	11	ACCEPT
Lead	10	<10	121%	120%	15	14	ACCEPT
Mercury	0.2	<0.2	116%	111%	<0.2	<0.2	ACCEPT
Nickel	10	<10	109%	112%	<10	<10	ACCEPT
Zinc	5	<5	110%	118%	8.8	8.8	ACCEPT
Moisture	%						
pH (average for 3 measurements)							
EC	[dS/m]						

Lab ID	PQL (mg/kg)	Batch Duplicate 2-Value 1	Batch Duplicate 2-Value 2	Batch Duplicate 2
Sample Name				
PAH				
Acenaphthene	0.3	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.	98%	104%	
OCPs				
aldrin	0.1	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	<0.1	ACCEPT
TCMX	surr.	102%	108%	
OPPs				
chlorpyrifos	0.1	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	<0.1	ACCEPT
PCB				
Total PCB		<0.6	<0.6	ACCEPT
2-fluorobiphenyl	surr.	85%	93%	

Lab ID	PQL (mg/kg)	Batch Duplicate 2-Value 1	Batch Duplicate 2-Value 2	Batch Duplicate 2
Sample Name				
TRH				
>C6-C10	35	<35	<35	ACCEPT
>C10-C16	50	<50	<50	ACCEPT
>C16-C34	100	<100	<100	ACCEPT
>C34-C40	100	<100	<100	ACCEPT
BTEX				
Benzene	0.5	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	<2	ACCEPT
o-Xylene	1	<1	<1	ACCEPT
Fluorobenzene	surr.	97%	91%	
Metals				
Arsenic	2	15	15	ACCEPT
Cadmium	0.3	<0.3	<0.3	ACCEPT
Chromium	5	23	26	ACCEPT
Copper	5	14	13	ACCEPT
Lead	10	22	22	ACCEPT
Mercury	0.2	<0.2	<0.2	ACCEPT
Nickel	10	<10	<10	ACCEPT
Zinc	5	10	7.7	ACCEPT
Moisture	%			
pH (average for 3 measurements)				
EC	[dS/m]			

Comments:  
FAIL caused by inhomogenous matrix

## General Comments and Glossary

Tests not covered by NATA are denoted with \*.

Samples are analysed on "as received" basis.

Samples were delivered chilled

Samples were preserved in correct manner

Sample containers for volatile analysis were received with minimal headspace

Samples were analysed within holding time

Some samples have been subcontracted

Yes

Yes

Yes

Yes

No

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

**Blank:** This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.

**Duplicate:** This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.

**Matrix Spike:** A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

**LCS (Laboratory Control Sample):** This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

**Surr. (Surrogate Spike):** Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

**INS:** Insufficient sample for this test

>: Greater than

**LCS:** Laboratory Control Sample

**NT:** Not tested

<: Less than

**RPD:** Relative Percent Difference

**NA:** Test not required

**PQL:** Practical Quantitation Limit

## Laboratory Acceptance Criteria

**Matrix Spikes and LCS:** Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable. Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

**RPD Duplicates:** Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the PQL : No Limit

Results between 10-20 times the PQL : RPD must lie between 0-50%

Results >20 times the PQL : RPD must lie between 0-30%

**Surrogate Recoveries :** Recoveries must lie between 50-150% - Phenols 20-130%.



### Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or

measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with \*.

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(02) 9648 6669  
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ABN: 520 934 529 50

**\*\*Methods Number Description:**

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-P-ORG02	Analysis of PAHs by GC-MS
ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete
*Texture Assessment based on;	Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"
*ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; <b>Procedure for gravimetric moisture determination</b>

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## Environmental and OH&S Laboratory

A division of A. D. Envirotech Australia Pty Ltd  
Unit 4/10-11 Millennium Court,  
Silverwater 2128

A.C.N. 093 452 950

### Analysis report: STC-277-11040 ASB 1

**Date Received:** 06.09.2016  
**Date Analysed:** 07.09.2016  
**Report Date:** 07.09.2016  
**Client:** Affordable demolition  
**Job Location:** 17-19 soudan street Merrylands  
**Analytical method:** Polarised Light Microscopy with dispersion staining (ADE method ABI)

**Analysis performed by:**

Zheng Liu  
**Approved asbestos identifier**

**Results Authorised By:**

Lili Shi  
**Approved Signatory**



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Laboratory Sample No.	Sample Description/Matrix	Sample Dimensions (cm) unless stated otherwise	Result	Comments
11040-Asb1	Soil / WAC1-TP1-ASB1	179 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11040-Asb2	Soil / WAC1-TP2-ASB1	127 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11040-Asb3	Soil / WAC1-TP3-ASB1	171 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11040-Asb4	Soil / WAC1-TP4-ASB1	175 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil

**General Comments:**

All samples are analysed as received.

Sampling performed by AD Envirotech is not covered by NATA scope.

Samples are stored for period of 3 months.

Due to the difficulty of estimating the load on the swab the test is carried out for presence or absence of asbestos only.

<sup>1</sup> Independent confirming technique such as infrared spectroscopy, X-ray diffraction, scanning or transmission electron microscopy is advised.



**Accreditation No.14664.**

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with \*.

**APPENDIX V – CHAIN OF CUSTODY**

## Environmental and OHS Laboratory

LABORATORY REFERENCE NO. (Lab use ONLY):

11040-1

CLIENT / PROJECT:

**CLIENT CODE - PROJECT NUMBER**

STC-277-11040

SAMPLES DELIVERED BY: ADE Consulting Group

SAMPLERS:

Terver Akaaga

TURNAROUND:

24h:  48h:  72h:

5 WORKING DAYS:

SAMPLING DATE:

6/09/2016

AFTER TEST STORAGE:

ROOM TEMP:  FRIDGE:  FREEZER:  > 4 WEEKS:  OTHER:

REPORT FORMAT:


DISK:  E-MAIL:

SIGNATURE:

JOB CONTACT E-MAIL: k.mcclintock@adenvirontech.com.au



SIGNATURE:



ANALYSIS REQUIRED

RECEIVED BY:

*Wanyan Pathanthy*

SAMPLES:

CHILLED:

PRESERVED:

MINIMAL HEADSPACE:

WITHIN HOLDING TIME:

DATE: 6/09/16

TIME:

2:30pm

Sample ID (Lab Use)	Sample Name		MATRIX	DELIVERY DATE	DELIVERY TIME	CONTAINER DATA		ANALYSIS REQUIRED											NOTES						
	Invoice Number	Sample number				TYPE	& PRESERVATIVE	NO.	6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	TRH (C6-C10)	TRH (C10-C40)	pH/EC	pH/pH fox		TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)		
<i>01</i>	11040	WAC1-TP1	Soil	6.09.2016	14:00	1Jar	No Pres		X	X	X	X	X	X	X	X	X	X							
<i>02</i>	11040	WAC1-TP2	soil	6.09.2016	14:00	1Jar	No Pres		X	X	X	X	X	X	X	X	X	X							
<i>03</i>	11040	WAC1-TP3	soil	6.09.2016	14:00	1Jar	No Pres		X	X	X	X	X	X	X	X	X	X							
<i>04</i>	11040	WAC1-TP4	soil	6.09.2016	14:00	1Jar	No Pres		X	X	X	X	X	X	X	X	X	X							

Chain of Custody (Internal)

Date: 15/04/15

## Environmental and OHS Laboratory

LABORATORY REFERENCE NO. (Lab use ONLY):

CLIENT / PROJECT: \_\_\_\_\_  
**CLIENT CODE - PROJECT NUMBER** \_\_\_\_\_  
**INVOICE NUMBER** **STC-277-11040**  
 SAMPLES DELIVERED BY: ADE Consulting Group

11040-1

SAMPLERS: \_\_\_\_\_ Tener Akaaga  
 TURNAROUND: 24h:  48h: x 72h:  5 WORKING DAYS:   
 SAMPLING DATE: 6/09/2016  
 AFTER TEST STORAGE: ROOM TEMP:  FRIDGE:  FREEZER:  > 4 WEEKS:   
 OTHER:

REPORT FORMAT: DISK:  E-MAIL:   
 SIGNATURE:  JOB CONTACT E-MAIL: k.mcclintock@adenvirotech.com.au

Sample ID (Lab Use)	Sample Name		MATRIX	DELIVERY DATE	DELIVERY TIME	CONTAINER DATA		ANALYSIS REQUIRED										NOTES	
	Invoice Number	Sample number				TYPE & PRESERVATIVE	NO.	6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH/EC	pH/pH fox		TCLP Prep ONLY
	11040	WAC1-TP1-PH	Soil	6.09.2016	14:00	1Bag							X						
	11040	WAC1-TP2-PH	soil	6.09.2016	14:00	1Bag							X						
	11040	WAC1-TP3-PH	soil	6.09.2016	14:00	1Bag							X						
	11040	WAC1-TP4-PH	soil	6.09.2016	14:00	1Bag							X						

