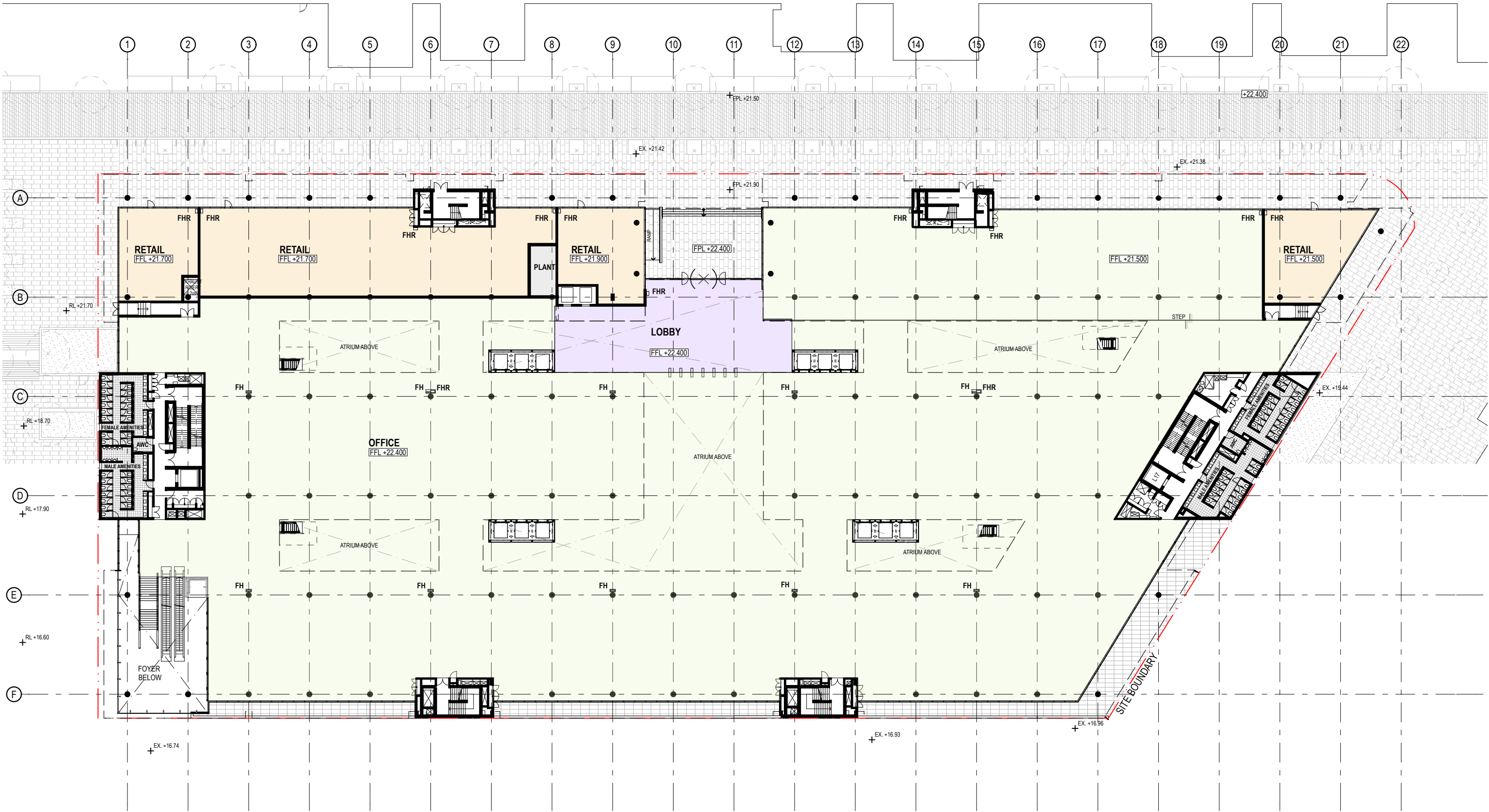
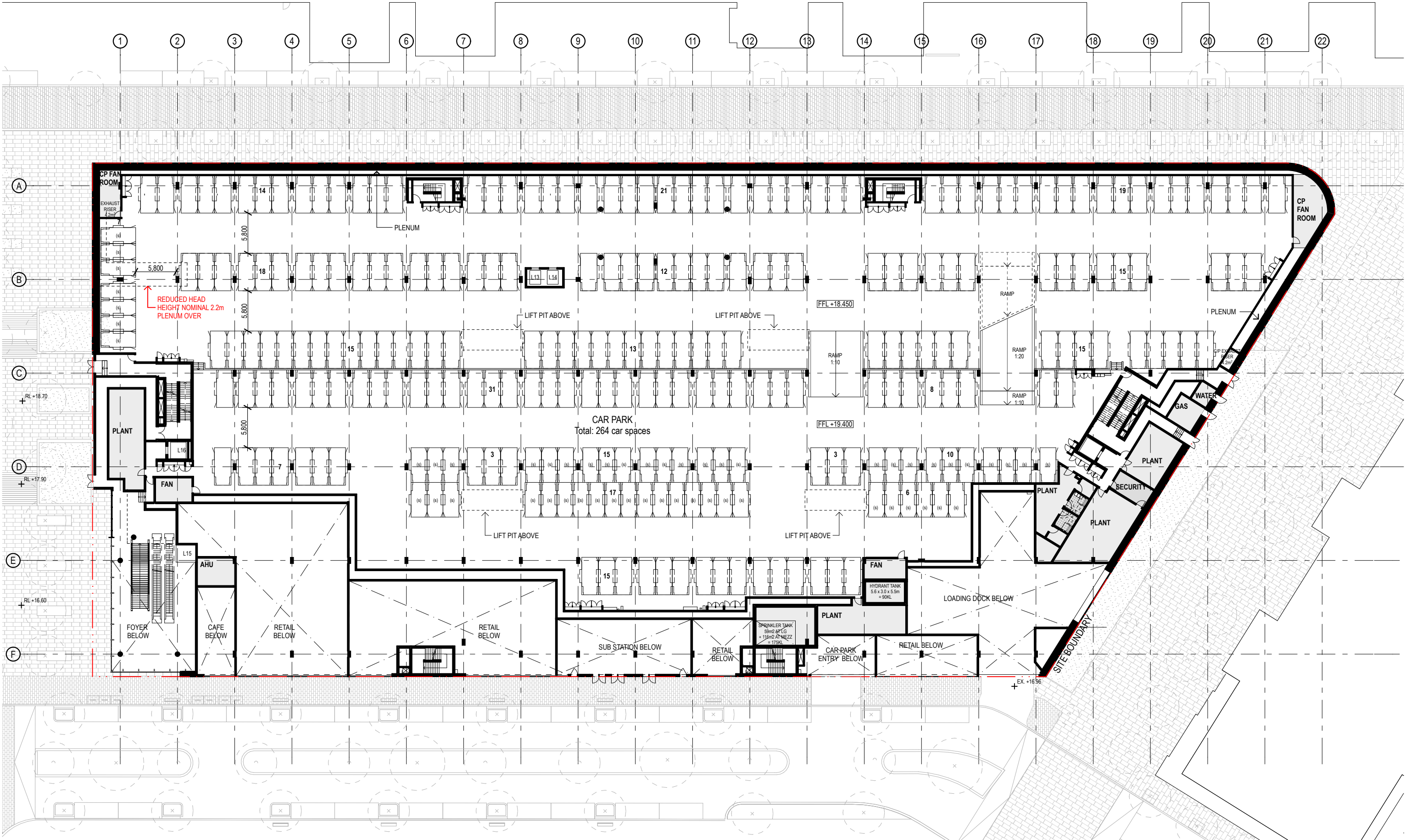
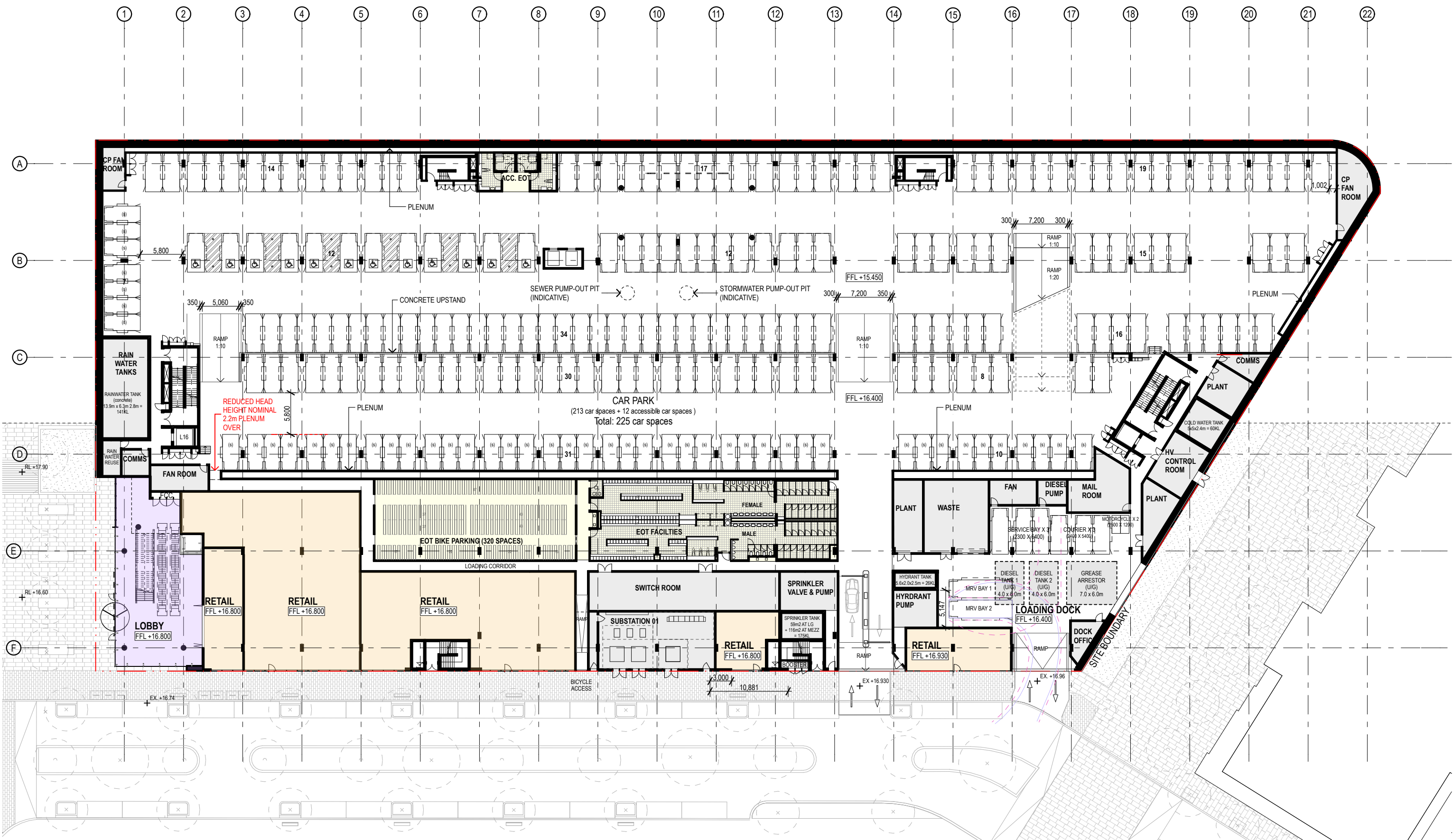
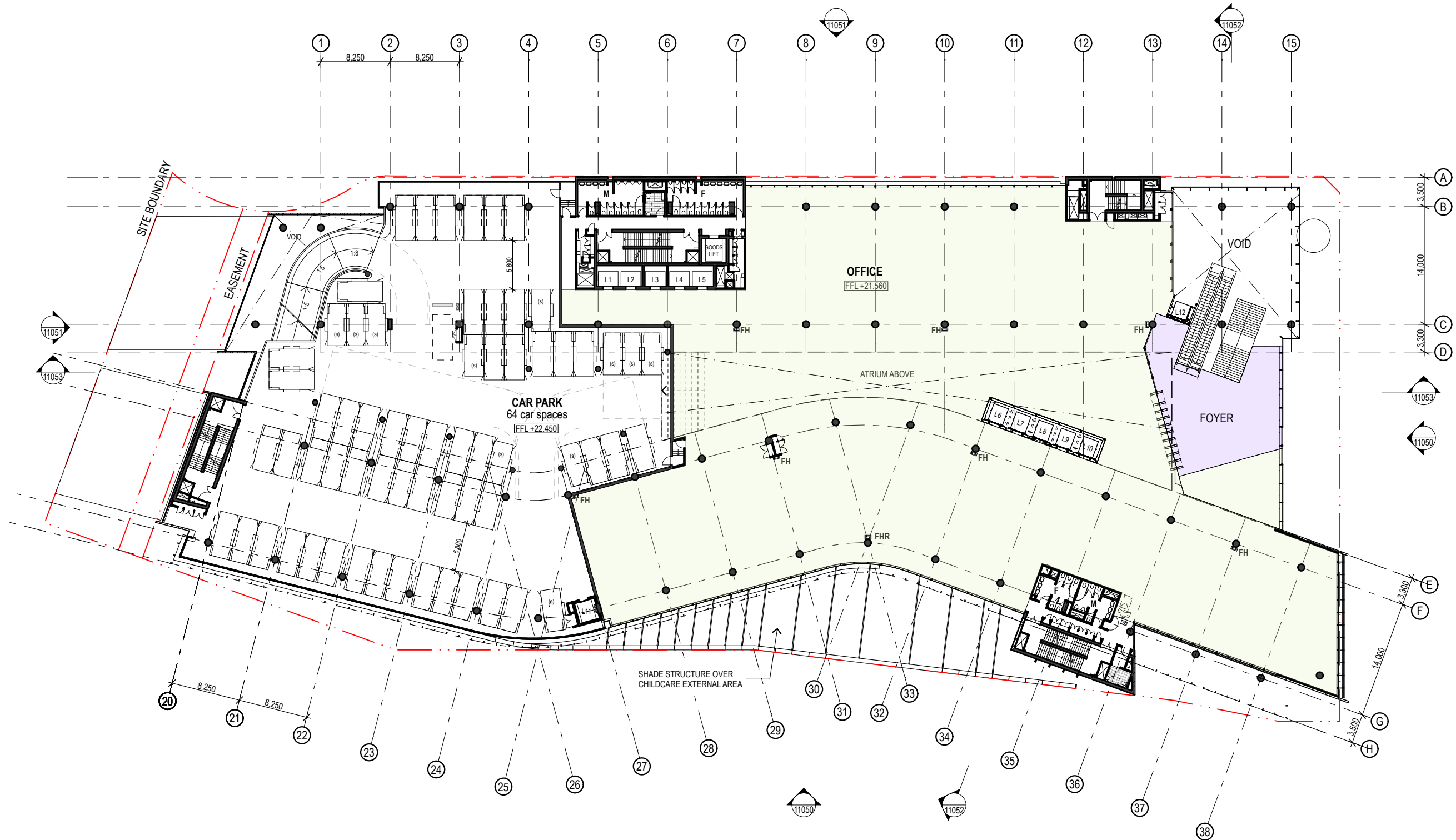






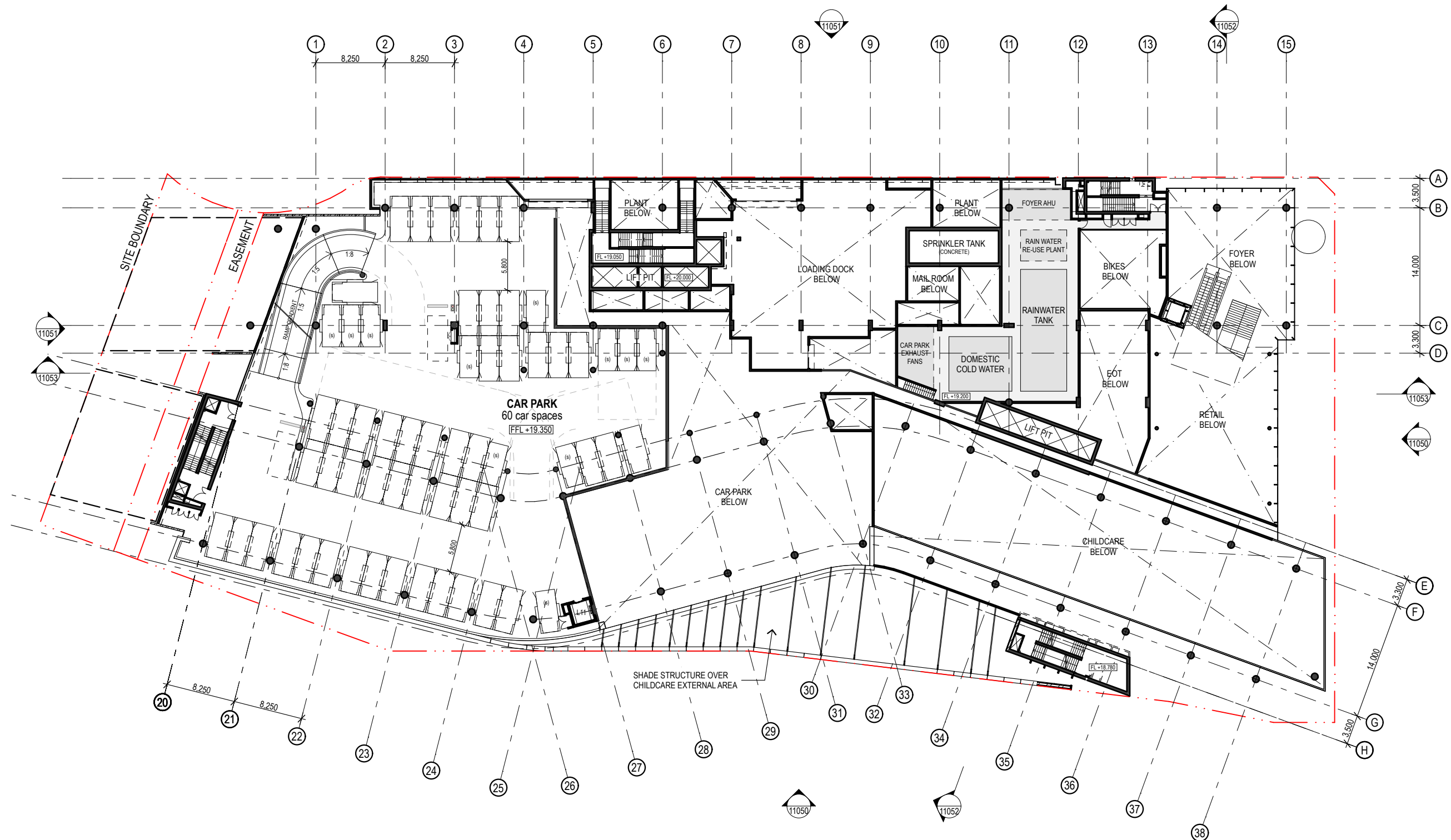




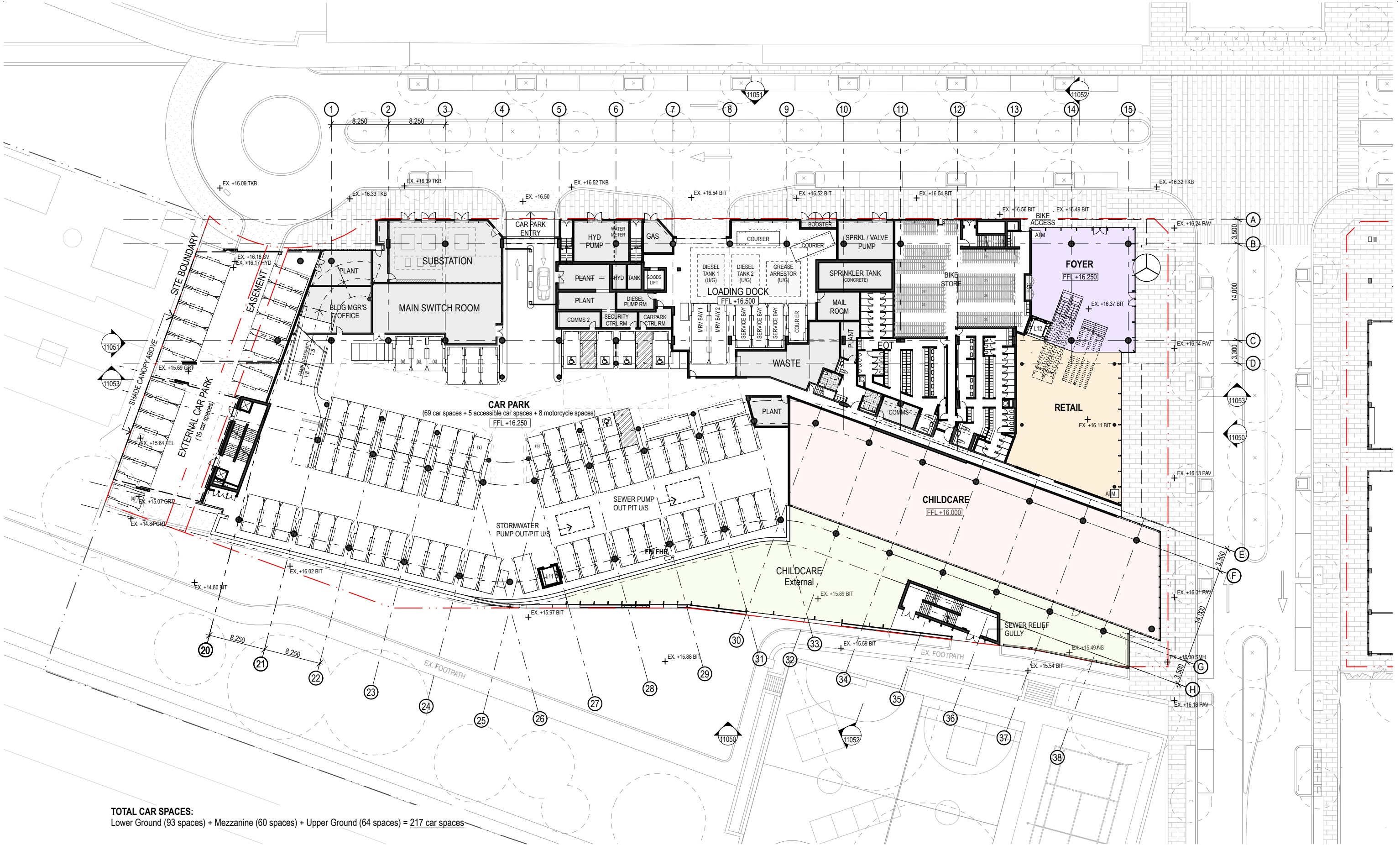


**TOTAL CAR SPACES:**  
Lower Ground (93 spaces) + Mezzanine (60 spaces) + Upper Ground (64 spaces) = 217 car spaces





**TOTAL CAR SPACES:**  
Lower Ground (93 spaces) + Mezzanine (60 spaces) + Upper Ground (64 spaces) = 217 car spaces



TOTAL CAR SPACES:  
Lower Ground (93 spaces) + Mezzanine (60 spaces) + Upper Ground (64 spaces) = 217 car spaces

## **Appendix B JBS&G (2016c) Fill Retention Documentation**



27 May 2016

Barry Steedman  
Mirvac Projects Pty Ltd  
Via email: [barry.steedman@mirvac.com](mailto:barry.steedman@mirvac.com)

## Retention of Lot 12 Fill Materials - Factual Data Report

Dear Barry,

### 1. Introduction and Background

JBS&G Australia Pty Ltd (JBS&G) has been engaged by Mirvac Projects Pty Ltd (Mircvac, the client) to provide environmental consultancy services associated with the remediation and redevelopment of a portion of the Australian Technology Park (ATP), herein referred to as the site (**Figures 1 and 2, Attachment 2**). The site is legally identified as Lots 8, 9, 12 in Deposited Plan (DP) 1136859, Part Lot 13 in DP 1136859 and Part Lot 10 in DP 1136859 (**Figure 3, Attachment 2**) and occupies an area of 11.6 ha. The site includes the Locomotive Workshop, public roads/domains (road reserves and pedestrian easements, recreational facilities and the eastern most extent of Lot 10 DP 1136859) and Developable Lots (Lots 8, 9 and 12). With the notable exception of the Locomotive Workshop, the footprints of existing ATP precinct structures (including the International Business Centre, National Innovation Centre, Traffic Management Centre (formally the RTA Building), Ambulance Service Building and Biomedical Building footprints) within Lot 13 in DP 113659 fall outside the site boundaries, as shown on **Figure 2 (Attachment 2)**.

During site preparation works, Mirvac have identified the potential for retention of surplus fill materials resultant from site development activities to minimise waste generation and help achieve a green star rating. Specifically, Mirvac has identified the potential to retain fill materials resultant from Lot 12 development activities underlying the proposed commercial building footprint.

As part of JBS&G's engagement, Mirvac has requested JBS&G undertake assessment of fill within Lot 12 for potential ecological suitability for on-site retention. This letter report presents the data obtained in a factual manner to enable subsequent assessment to be undertaken.

### 2. Objective

The objective of the investigation is to document the concentration of soil contaminants within Lot 12. The results of the investigation will be used to assist in the preparation of a subsequent ecological risk assessment (ERA) for proposed redevelopment of the site.

The secondary objective of the assessment was to assess the potential occurrence of acid sulphate soils (ASS)/potential acid sulphate soils (PASS) with natural soils at depth within Lot 12.

### 3. Site History and Setting

A detailed review of the site setting and history is presented in JBS&G (2015a<sup>1</sup>). Relevant information to this assessment is summarised herein.

#### 3.1 Locomotive Workshop Location, Description and Proposed Retention Details

Lot 12 in Deposited Plan 1136859 (the assessment area) is located within the central site extent and occupies an area of approximately 11 850 m<sup>2</sup>.

Lot 12 is largely level, surfaced with bituminous concrete pavements with minor areas of exposed soils (garden beds). Lot 12 is noted to comprise two tiers, an upper level flush with the Locomotive Street road frontage, and a low level flush with the Central Avenue road frontage. An earthen/concrete embankment retaining wall of approximately 3 m in height separates the two tiers. Lot 12 is currently used as an overflow car parking facility.

Development of Lot 12 is proposed to accommodate a seven storey building comprising of parking, retail and commercial uses. The carpark will be partially sunken and constructed at-grade given the tiered site topography. A portion of materials from the 'upper tier' of the current carpark at Lot 12 will require excavation to achieve design levels.

The concrete slab of the future building will serve as a physical barrier to retained fill. Surface treatments external to the building are proposed to comprise hardstands (paved areas underlain by a concrete slab or similar). No landscaping (garden beds or similar) is proposed.

No direct exposures will be present following site development activities. A marker layer will underlie physical barriers (hardstands), denoting the extent of retained fill. Details of the remedial strategy proposed in this portion of the site are documented in the remedial action plan (RAP, JBS&G 2016a<sup>2</sup>).

Based on communications with Mirvac, suitable surplus fill materials resultant from Lot 12 development works are proposed to be retained beneath the commercial building to be constructed on Lot 12.

As discussed above, the surface elevation of Lot 12 are currently split between the upper car park at approximately relative level (RL) 21.5 m Australian Height Datum (AHD) and the lower car park at RL 16 m AHD to 17 m AHD. The proposed construction basal level for the proposed multi-storey commercial building range from RL 15.45 m AHD within the northern Lot extent to RL 16.4 m AHD within the southern Lot extent.

To minimise waste generation and help achieve a green star rating, Mirvac propose to excavate fill materials, natural soils and bedrock to depths ranging to approximately 9 AHD m to 11 m AHD. The proposed excavation location/layout is shown on **Figure 4 (Attachment 2)**.

As discussed in JBS&G (2016a), fill materials have been reported to be approximately 4.0 m to 6.0 m thick within the north Lot extent (northern car park) and approximately 1.5 m to 2.0 m thick within the southern Lot extent (southern car park).

Excavated natural soils (clay) and bedrock are proposed to be beneficially reused within the broader site. Excavated fill materials from Lot 12 are proposed to be retained in the Lot 12 excavation.

<sup>1</sup> Mirvac Projects Pty Ltd – Australian Technology Park Detailed Site Assessment, 2 Locomotive Street, Eveleigh NSW. JBS&G Australia Pty Ltd dated 9 December 2015 (JBS&G 2015a)

<sup>2</sup> Mirvac Projects Pty Ltd – Australian Technology Park Remedial Action Plan, 2 Locomotive Street, Eveleigh NSW. JBS&G Australia Pty Ltd dated 27 May 2016 Revision D (JBS&G 2016a)

Based on the above, it is anticipated approximately 39 000 m<sup>3</sup> of fill materials are proposed to be retained.

Based on review of JBS&G (2015a), groundwater beneath Lot 12 has been reported at depths of approximately RL 10 m AHD to RL 13 m AHD, possibly seasonally influenced and perched within fill materials and natural clay soils.

As such, based on the above, should fill materials be retained, potential remain for materials currently above the saturated zone to be placed below the water table.

## **4. Methodology**

### **4.1 Fill and ASS/PASS Assessment Activities**

As discussed above, fill materials across the entire Lot 12 extent are proposed to be excavated and retained below the future Lot 12 multi storey commercial building. Furthermore, fill materials currently above the water table may be re-instated below the water table. As such, sampling on a systematic grid basis skewed to areas of historical elevated total and/or toxicity characteristic leaching procedure (TCLP) contaminant concentrations was considered the most appropriate methodology to assess suitability of fill materials for retention beneath the proposed commercial development.

Sampling was conducted at eighteen locations via the use of a drill rig fitted with a 100 mm solid flight auger and push tube attachments.

A jar and 1 kg bulk sample was collected at each sample location, per 1.0 m in depth, until the program depth was achieved (natural soils) or prior refusal. Samples were submitted for a variety of organic and inorganic contaminants, and heavy metal, total recoverable hydrocarbons (TRH) and polycyclic aromatic hydrocarbons (PAH) Australian standard leaching procedure (ASLP) analysis. Selected soil samples of natural material were also analysed for PASS/ASS (SPOCAS).

Given the aggressiveness of ASLP analysis and potential to over predict potential rates of leaching of soils, and to replicate the excavation, stockpiling and homogenisation process as a result of earth works, JBS&G also submitted six 5 kg samples of fill materials for column leach analysis in accordance with ASTM (D4874-95<sup>3</sup>).

Bulk samples were amassed as follows:

- Samples from BH03/0-1.0, BH04/0-1.0, BH05/0-1.0, BH06/0-1.0 and BH07/0-1.0 were combined and submitted for analysis;
- Samples from BH03/1.0-2.0, BH04/1.0-2.0, BH05/1.0-2.0 and BH07/1.0-2.0 were combined and submitted for analysis;
- Samples from BH09/0-1.0, BH10/0-1.0, BH12/0-1.0, BH13/0-1.0 and BH14/0-1.0 were combined and submitted for analysis;
- Samples from BH09/1.0-2.0, BH10/1.0-2.0, BH12/1.0-2.0 and BH13/1.0-2.0 were combined and submitted for analysis;
- Samples from BH08/0-1.0, BH15/0-1.0, BH16/0-1.0, BH17/0-1.0 and BH18/0-1.0 were combined and submitted for analysis; and

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<sup>3</sup> ASTM Designation: D4874-95 (Reapproved 2014) – Standard Test Method for Leaching Solid Material in a Column Apparatus (ASTM D4875-95).



- Samples from BH08/1.0-2.0, BH15/1.0-2.0, BH16/1.0-2.0, BH17/1.0-2.0 and BH18/1.0-2.0 were combined and submitted for analysis.

As per the ASTM D4874-95, the laboratory was instructed to apply distilled water to the top of the columns, and collect the leachate for analysis at approximately one, two, four and eight pore volumes.

During laboratory analysis, the laboratory collected and analysed the accumulative pore volumes eluted from each column over a 24 hour period. Upon receipt of the results, JBS&G requested that the samples be rerun as per the ASTM D4874-95 and collected at one, two, four and eight pore volumes.

Leachate samples were filtered through a 0.45 µm filter subsequent to collection.

Based on the sampling density (1 sample/per approx. 1 000 m<sup>3</sup> of fill material (ASLP and column test) completed, sufficient sampling and analysis is considered to have been completed to allow an assessment of fill contaminant conditions, specifically leachability potential.

Four samples were submitted for SPOCAS to allow assessment of ASS/PASS properties.

Field logs documenting encountered lithology are presented in **Attachment 4**. In summary fill materials were identified to be underlain by clay soil and in turn shale bedrock.

## 4.2 Laboratory Analysis

JBS&G contracted project laboratories which are NATA accredited for the required analyses. Primary samples were sent to Eurofins MGT Pty Ltd (Eurofins) and secondary samples sent to Envirolab Services Pty Ltd (Envirolab). In addition to laboratory quality requirements, the laboratories were required to meet JBS&G's internal Quality Assurance requirements. The analytical schedule is presented in **Table 4.1**.

**Table 4.1: Analytical Schedule**

| Sample Type                                           | No. of Sampling Locations                                                                                        | Analyses (exc. QA/QC)                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Soil<br>(fill and natural)                            | Eighteen sample locations                                                                                        | Heavy metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn) – 46 samples<br>PAH – 46 samples<br>TRH – 46 samples<br>BTEX – 20 samples<br>VOCs – 20 Samples<br>Asbestos – 19 samples<br>OCPs/PCBs – 19 samples<br>ASLP (metals/PAHs) – 36 samples<br>Silica Gel Clean Up – 4 samples<br>SPOCAS – 4 samples |
| Water<br>(bulk sample<br>(leachability<br>assessment) | 6 bulk samples were submitted from which leachate samples at one, two, four and eight pore volumes was requested | ASTM (D4874-95) heavy metals<br>ASTM (D4874-95) TRH<br>ASTM (D4874-95) PAHs                                                                                                                                                                                                                 |

In addition to the above analyses, for QA/QC purposes field duplicates and triplicates were analysed at a rate of 1/20 primary samples for primary fill soil samples. Rinsate samples were obtained from non-disposable sampling equipment, plus a single trip spike and single trip blank accompanied the soil sampling event.

## 4.3 Quality Assurance / Quality Control

The pre-determined data quality indicators (DQIs) established for the project are discussed below in relation to precision, accuracy, representativeness, comparability and completeness (PARCCs parameters), and are shown in **Table 4.2**.

- **Precision** - measures the reproducibility of measurements under a given set of conditions. The precision of the laboratory data and sampling techniques is assessed by calculating the Relative Percent Difference (RPD) of duplicate samples.
- **Accuracy** - measures the bias in a measurement system. The accuracy of the laboratory data that are generated during this study is a measure of the closeness of the analytical results obtained by a method to the 'true' value. Accuracy is assessed by reference to the analytical results of laboratory control samples, laboratory spikes and analyses against reference standards.
- **Representativeness** – expresses the degree which sample data accurately and precisely represent a characteristic of a population or an environmental condition. Representativeness is achieved by collecting samples on a representative basis across the site, and by using an adequate number of sample locations to characterise the site to the required accuracy.
- **Comparability** - expresses the confidence with which one data set can be compared with another. This is achieved through maintaining a level of consistency in techniques used to collect samples; ensuring analysing laboratories use consistent analysis techniques and reporting methods.
- **Completeness** – is defined as the percentage of measurements made which are judged to be valid measurements. The completeness goal is set at there being sufficient valid data generated during the study.
- **Sensitivity** – expresses the appropriateness of the chosen laboratory methods, including the limits of reporting, in producing reliable data in relation to the adopted site assessment criteria.

Table 4.2: Summary of Quality Assurance / Quality Control (QA/QC) Program

| Data Quality Indicator                                              | Frequency            | Data Quality Criteria                        |
|---------------------------------------------------------------------|----------------------|----------------------------------------------|
| <b>Precision</b>                                                    |                      |                                              |
| Blind duplicates (intra laboratory)                                 | 1 / 20 samples       | <50% RPD <sup>1</sup>                        |
| Split duplicates (inter laboratory)                                 | 1 / 20 samples       | <50% RPD <sup>1</sup>                        |
| Laboratory duplicates                                               | 1 / 20 samples       | <50% RPD <sup>1</sup>                        |
| <b>Accuracy</b>                                                     |                      |                                              |
| Surrogate spikes                                                    | All organic samples  | 70-130%                                      |
| Laboratory control samples                                          | 1 per lab batch      | <LOR                                         |
| Matrix spikes                                                       | 1 per lab batch      | 70-130%                                      |
| <b>Representativeness</b>                                           |                      |                                              |
| Sampling appropriate for media and analytes                         |                      | -                                            |
| Samples extracted and analysed within holding times.                | -                    | organics (14 days),<br>inorganics (6 months) |
| Trip spike                                                          | 1 per sampling batch | 70-130% recovery                             |
| Storage blank                                                       | 1 per sampling batch | <LOR                                         |
| Laboratory blank                                                    | 1 per sampling batch | <LOR                                         |
| Rinsate blank                                                       | 1 per sampling batch | <LOR                                         |
| <b>Comparability</b>                                                |                      |                                              |
| Standard operating procedures for sample collection & handling      | All samples          | All samples                                  |
| Standard analytical methods used for all analyses                   | All samples          | All samples                                  |
| Consistent field conditions, sampling staff and laboratory analysis | All samples          | All samples                                  |
| Limits of reporting appropriate and consistent                      | All samples          | All samples                                  |
| <b>Completeness</b>                                                 |                      |                                              |
| Sample description and COCs completed and appropriate               | All samples          | All samples                                  |
| Appropriate documentation                                           | All samples          | All samples                                  |
| Satisfactory frequency and result for QC samples                    | All QA/QC samples    | -                                            |

| Data Quality Indicator                                                                               | Frequency   | Data Quality Criteria          |
|------------------------------------------------------------------------------------------------------|-------------|--------------------------------|
| Data from critical samples is considered valid                                                       | -           | Critical samples valid         |
| <b>Sensitivity</b>                                                                                   |             |                                |
| Analytical methods and limits of recovery appropriate for media and adopted Site assessment criteria | All Samples | LOR<= Site assessment criteria |

1 Relative percent difference

If any of the DQIs are not met, further assessment will be necessary to determine whether the non-conformance will significantly affect the usefulness of the data. Corrective actions may include requesting further information from samplers and/or analytical laboratories, downgrading of the quality of the data or alternatively, re-collection of the data.

## 5. Summary of QA / QC Results

### 5.1 QA / QC Results

The QA / QC results are summarised in **Table 5.1**, presented in **Attachment 4** and discussed in **Section 5.2**. Laboratory certificates of analysis are provided in **Attachment 5**.

**Table 5.1: Summary of QA/QC Results**

| Data Quality Indicator                                         | Results                                                                                                                                                                                                                                                                                                | DQO met?             |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Precision</b>                                               |                                                                                                                                                                                                                                                                                                        |                      |
| Blind duplicates (intra laboratory)                            | 0-196% RPD<br>The primary and duplicate samples targeting asbestos were in agreement.<br>Intra laboratory samples were analysed at a rate of 1 in 20 samples.<br>3/46 samples for metals, PAH, TRH (6.5%), 2/20 samples for BTEX and VOCs (10%) and 2/19 samples for asbestos, OCPs and PCBs (10.5%).  | Partial <sup>1</sup> |
| Blind duplicates (inter laboratory)                            | 0-198 % RPD<br>The primary and duplicate samples targeting asbestos were in agreement.<br>Intra laboratory samples were analysed at a rate of 1 in 20 samples.<br>3/46 samples for metals, PAH, TRH (6.5%), 2/20 samples for BTEX and VOCs (10%) and 2/19 samples for asbestos, OCPs and PCBs (10.5%). | Partial <sup>1</sup> |
| Laboratory duplicates                                          | 0-50% RPD<br>Intra laboratory samples were analysed at a rate of 1 in 20 samples.                                                                                                                                                                                                                      | Yes                  |
| <b>Accuracy</b>                                                |                                                                                                                                                                                                                                                                                                        |                      |
| Laboratory control samples                                     | 70 - 130% recovery<br>1 per lab batch                                                                                                                                                                                                                                                                  | Yes                  |
| Surrogate spikes                                               | 50-135%<br>1 per lab batch                                                                                                                                                                                                                                                                             | Partial <sup>1</sup> |
| Matrix spikes                                                  | 70 - 130% recovery<br>1 per lab batch                                                                                                                                                                                                                                                                  | Yes                  |
| <b>Representativeness</b>                                      |                                                                                                                                                                                                                                                                                                        |                      |
| Samples extracted and analysed within holding times.           | All primary and duplicate samples were extracted within appropriate holding times                                                                                                                                                                                                                      | Yes                  |
| Appropriate media for analysis                                 | Appropriate media was sampled and submitted for analysis                                                                                                                                                                                                                                               | Yes                  |
| Trip spike                                                     | 92-98 % recovery<br>1 per lab batch                                                                                                                                                                                                                                                                    | Yes                  |
| Storage blank                                                  | <LOR<br>1 per lab batch                                                                                                                                                                                                                                                                                | Yes                  |
| Rinsate blank                                                  | <LOR<br>A rinsate blank was collected during the soil sampling event.                                                                                                                                                                                                                                  | Yes                  |
| Standard operating procedures for sample collection & handling | A single field staff member used same standard operating procedures throughout works.                                                                                                                                                                                                                  | Yes                  |
| <b>Comparability</b>                                           |                                                                                                                                                                                                                                                                                                        |                      |
| Standard analytical methods used for all analyses              | Standard analytical methods used as detailed in <b>Appendix D</b> . It is noted that no laboratory in NSW is NATA accredited for ASTM (D4874-95) analysis.                                                                                                                                             | Partial <sup>1</sup> |

| Data Quality Indicator                                                                               | Results                                                                                                                                                                                                                                                              | DQO met? |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Consistent field conditions, sampling staff and laboratory analysis                                  | Sampling was conducted by the same field staff members. Standard operating procedures were conducted throughout the works. Field conditions remained the same throughout the works. The primary and secondary labs remained consistent throughout the investigation. | Yes      |
| Limits of reporting appropriate and consistent                                                       | Limits of reporting were consistent and appropriate.                                                                                                                                                                                                                 | Yes      |
| <b>Completeness</b>                                                                                  |                                                                                                                                                                                                                                                                      |          |
| Soil description and COCs completed and appropriate                                                  | All field logs and COCs were completed appropriately.                                                                                                                                                                                                                | Yes      |
| Appropriate documentation                                                                            | All field documentation was appropriately completed.                                                                                                                                                                                                                 | Yes      |
| Satisfactory frequency and result for QC samples                                                     | The QC results are considered adequate for the purposes of the investigation.                                                                                                                                                                                        | Yes      |
| Data from critical samples                                                                           | Samples were analysed at locations where potential for contamination was observed.                                                                                                                                                                                   | Yes      |
| <b>Sensitivity</b>                                                                                   |                                                                                                                                                                                                                                                                      |          |
| Analytical methods and limits of recovery appropriate for media and adopted site assessment criteria | Analytical methods and limits of recovery were considered appropriate for media and adopted site assessment criteria for all soil analytes.                                                                                                                          | Yes      |

Notes:

<sup>1</sup> See discussion of DQI exceedances below.

## 5.2 Soil QA/QC Discussion

### 5.2.1 Precision

#### Soil Blind Duplicates (intra laboratory)

The rates of blind duplicate sampling and analysis for soils was 3 blind duplicate samples for heavy metals, PAH, TRH (6.5%), two blind duplicate samples for BTEX and VOCs (10%) and two blind duplicate samples for asbestos, OCPs and PCBs (10.5%).

RPDs were generally within the DQI with the exception of the following:

- Chromium in soil sample BH05/3.5-4.0 (13 mg/kg) and QC01 (32 mg/kg) with a RPD of 84 mg/kg;
- Copper in soil sample BH05/3.5-4.0 (530 mg/kg) and QC01 (<5 mg/kg) with a RPD of 196 mg/kg;
- Lead in soil sample BH05/3.5-4.0 (150 mg/kg) and QC01 (6.6 mg/kg) with a RPD of 183 mg/kg;
- Nickel in soil sample BH05/3.5-4.0 (16 mg/kg) and QC01 (<5 mg/kg) with a RPD of 105 mg/kg;
- Zinc in soil sample BH05/3.5-4.0 (220 mg/kg) and QC01 (<5 mg/kg) with a RPD of 191 mg/kg;
- Arsenic in soil sample BH07/3.0-4.0 (3.6 mg/kg) and QC02 (54 mg/kg) with a RPD of 175 mg/kg; and
- Lead in soil sample BH07/3.0-4.0 (20 mg/kg) and QC02 (<5 mg/kg) with a RPD of 175 mg/kg.

High RPDs can be expected in heterogeneous materials including soils impacted with slag which have not been homogenised or when analyte concentrations are close to the LOR. As such, the elevated RPDs are considered not to affect the overall reliability and precision of the data set.



#### Soil Split Duplicates (inter laboratory)

The rates of split blind duplicate sampling and analysis for soils was 3 blind duplicate samples for heavy metals, PAH, TRH (6.5%), two blind duplicate samples for BTEX and VOCs (10%) and two blind duplicate samples for asbestos, OCPs and PCBs (10.5%).

RPDs were generally within the DQI with the exception of the following:

- Copper in soil sample BH05/3.5-4.0 (530 mg/kg) and QC01A (2 mg/kg) with a RPD of 198 mg/kg;
- Lead in soil sample BH05/3.5-4.0 (150 mg/kg) and QC01A (10 mg/kg) with a RPD of 175 mg/kg;
- Nickel in soil sample BH05/3.5-4.0 (16 mg/kg) and QC01A (<1 mg/kg) with a RPD of 176 mg/kg;
- Zinc in soil sample BH05/3.5-4.0 (220 mg/kg) and QC01A (<1 mg/kg) with a RPD of 198 mg/kg;
- Arsenic in soil sample BH07/3.0-4.0 (3.6 mg/kg) and QC02A (101 mg/kg) with a RPD of 101 mg/kg;
- Chromium in soil sample BH07/3.0-4.0 (13 mg/kg) and QC02A (5 mg/kg) with a RPD of 89 mg/kg;
- Copper in soil sample BH07/3.0-4.0 (7.7 mg/kg) and QC02A (3 mg/kg) with a RPD of 88 mg/kg;
- Benzo(a)pyrene TEQ in soil sample BH05/3.5-4.0 (1.2 mg/kg) and QC01A (<0.5 mg/kg) with a RPD of 198 mg/kg;
- Benzo(a)pyrene TEQ in soil sample BH07/3.0-4.0 (1.2 mg/kg) and QC02A (<0.5mg/kg) with a RPD of 175 mg/kg; and
- Benzo(a)pyrene TEQ in soil sample BH12/36.5-7(1.2 mg/kg) and QC03A (<0.5 mg/kg) with a RPD of 175 mg/kg.

Similar to the blind duplicates, high RPDs can be expected in heterogeneous materials, soils containing slag or when analyte concentrations are close to the LOR. As such, the elevated RPDs are considered not to affect the overall reliability or precision of the data set.

The results of analysis with RPDs outside the DQIs have been evaluated with respect to the assessment criteria presented in JBS&G (2016a) and where necessary the contaminant concentration in the duplicate samples have been taken into consideration with respect to assessment.

#### Laboratory Duplicates

Laboratory duplicates RPDs were all within the JBS&G acceptable limit (0-50%). A total of 27 laboratory duplicate samples were conducted which met the DQIs for soil sampling (1 in 20).

#### **5.2.2 Accuracy**

##### Laboratory Control Samples

All laboratory control samples were reported as having recoveries within the JBS&G acceptable range of 70-130%. A total of 20 laboratory control samples were conducted which met the DQIs for soil sampling (1 in 20).

#### Surrogate Spikes

All surrogate spikes reported recoveries within the JBS&G acceptable range of 70-130%. Surrogate spikes were conducted for all organic samples.

#### Matrix Spikes

All matrix spikes reported recoveries within the JBS&G acceptable range of 70-130%. A total of 20 matrix spikes were conducted which met the DQIs for soil sampling (1 in 20).

### **5.2.3 Representativeness**

#### Sampling appropriate for media and analytes

All soil sampling works completed during the investigation were conducted in accordance with JBS&G standard operating procedures. Soil bore (push tubes) holes were advanced for the purposes of visual inspection of fill conditions and the collection of soil samples and considered appropriate for potential contaminants of concern identified in JBS&G (2015a).

All samples were collected wearing a new pair of disposable nitrile gloves. Where possible, disturbance of the sample was minimised during placement within the laboratory supplied sample container and during shipment.

#### Holding Times

Copies of Sample Receipt Notes are included in **Attachment 5**. All soil analyses were undertaken within holding times.

#### Rinsate Blank

One rinsate blank was submitted with the soil samples collected during the assessment. There were no reported concentrations of contaminant compounds above the laboratory LOR.

#### Trip Spike

One trip spike was submitted with the soil samples collected during the assessment. Trip spike recoveries were within the JBS&G acceptable limit of 70-130%.

#### Storage Blank

One storage blank was submitted with the soil samples collected during the assessment. There were no reported concentrations of BTEX compounds above the laboratory LOR.

#### Decontamination Comparability

All reusable field equipment was decontaminated between sampling locations.

Experienced JBS&G personnel undertook all sampling in accordance with standard JBS&G sampling methods.

Field works and sampling were undertaken by the same JBS&G field scientists throughout the works.

The laboratory LORs are consistent and are considered appropriate.

### **5.2.4 Comparability**

Eurofin, the primary laboratory, and Envirolab, the secondary laboratory were NATA accredited for all analytical methods used with the exception of the column leach methodology. It is noted however, the laboratory was NATA accredited for the analysis of obtain leach fluid samples.

The laboratories used similar analytical methods and the analytical data were comparable between laboratories as indicated by the results of duplicate analysis. Where different LORs were adopted by

the laboratories, the primary laboratory typically had a lower LOR than the secondary laboratory, and as such, consideration of the data set was not impacted.

Furthermore, the samples collected for assessment purposes are considered comparable as all samples were collected by experienced JBS&G personnel in accordance with standard JBS&G sampling methods.

#### **5.2.5 Completeness**

##### Documentation

All laboratory documentation is complete and correct. Chain of custody documentation is provided with laboratory reports in **Attachment 5**.

##### Frequency for QC Samples

The frequency of analysis of all QC samples was considered appropriate and valid.

#### **5.2.6 QA/QC Assessment**

The field sampling and handling procedures produced QA/QC results which indicate that the soil data are of an acceptable quality and suitable for use in the ERA.

The NATA certified laboratory results sheets indicate that the project laboratory was generally achieving levels of performance within its recommended control limits during the period when the samples from this program were analysed.

On the basis of the results of the field and laboratory QA/QC program, the soil data is of an acceptable quality upon which to draw conclusions.

### **6. Results**

#### **6.1 Field Parameters and Observations**

Fill materials ranged in depth from 0.4 m bgs (BH14 on shale bedrock) to 4.3 m bgs (BH17 on silty clay soil), with fill conditions typically 3.0 m to 4.0 m bgs within the northern Lot 12 extent and 1.0 m to 2.0 m bgs within the southern Lot 12 extent. A number of sample locations terminated in fill (refusal on sub-surface structures, slabs) within the south eastern Lot 12 extent, where fill conditions have historically been reported to be skeletal (<1.0 m) in nature.

Lot 12 was largely sealed with asphaltic pavements, underlain by fill comprising gravelly (blue metal) grey/brown silt sands, and in turn, brown/black silty sands with trace level inclusions of slag, glass, concrete, tiles and other build materials. No staining, chemical odours, ACM or other potential indicators of contamination were observed. Detailed field logs are provided in **Attachment 3**.

Natural silty clay soils were typically encountered underlying fill materials. Shale bedrock was identified to underlie fill materials at sample location BH14 and silty clay/sandy clay soils at a number of sample locations.

Peat (organic rich silty clay) soils were reported at sample locations BH04 and BH07 underlying fill materials and overlying natural silty clay/sandy clay soils.

Natural soils did not contain physical properties consistent with PASS/ASS.

## 6.2 Soil Analytical Results

Soil and soil leachate analytical results are summarised **Attachment 6**. Detailed laboratory reports are provided in **Attachment 5**. Sampling locations are shown on **Figure 5 (Attachment 2)**.

## 7. Conclusion

The sampling procedures utilised for the investigation are considered appropriate for the chemical constituents analysed. The field and laboratory QA / QC program indicates that the data obtained from the sampling and analysis can be considered appropriately accurate for the objectives of the assessment – that is, the results of the investigation are considered reliable to assist in the preparation of an ERA for the site.

Natural soils within Lot 12 were not identified to contain ASS/PASS properties. As such, management of ASS/PASS is not required with respect to the proposed borrow pit/retention beneath the future Lot 12 building.

## 8. Recommendations

It is recommended that the data is included in the ERA assessment in accordance with the QA/QC discussion provided in this report.

Should you require clarification, please contact the undersigned on 02 8245 0300 or by email [ncussen@jbsg.com.au](mailto:ncussen@jbsg.com.au).

Yours sincerely:



Nathan Cussen  
Senior Consultant  
**JBS&G Australia Pty Ltd**

Reviewed/Approved by:



Andrew Lau  
Principal, Contaminated Land  
**JBS&G Australia Pty Ltd**

Attachments:

- 1) Limitations
- 2) Figures
- 3) Field Logs
- 4) Tabulated QA/QC Data
- 5) Laboratory Certificates of Analysis

## **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.

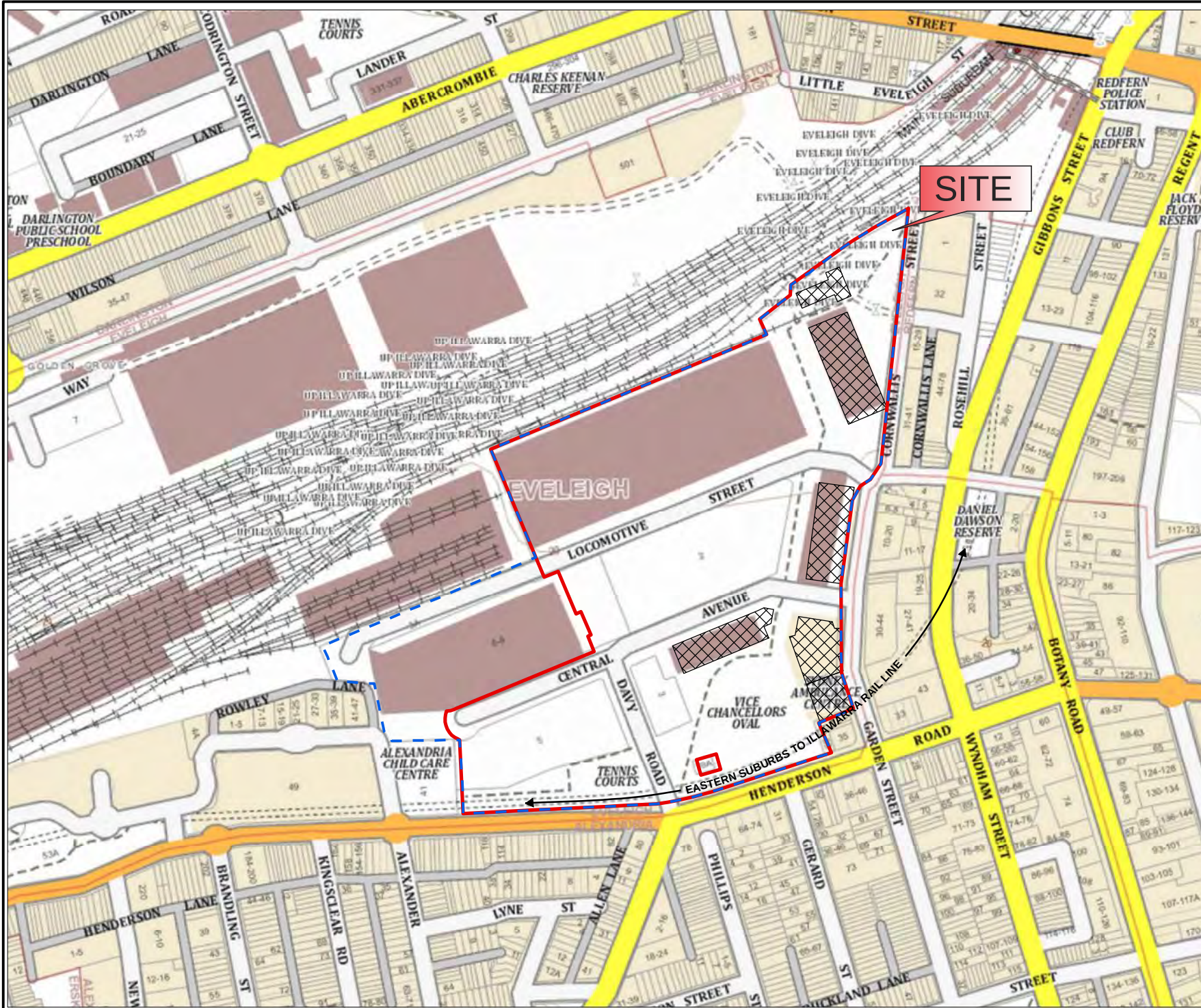
Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information 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.



## **Attachment 2 – Figures**



- Legend:**
- Approximate Boundary - ATP Precinct
  - Approximate Boundary - The Site
  - Existing Building Footprint Excluded from "The Site"



Client: Mirvac

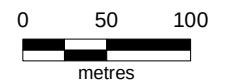
Version: R05 Rev B

Date: 27-May-2016

Drawn By: RF

Checked By: NC

Scale 1:4,500



Coor. Sys. GDA 1994 MGA Zone 56

**Australia Technology Park  
Eveleigh, NSW**

**SITE LOCATION**

**FIGURE 1:**





#### Legend:

- Approximate Boundary - ATP Precinct
- Approximate Boundary - The Site
- Cadastral Boundaries
- Existing Building Footprint Excluded from "The Site"
- UST (Inferred Historical Location)



Client: Mirvac

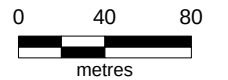
Version: R05 Rev B

Date: 27-May-2016

Drawn By: RF

Checked By: NC

Scale 1:3,500



Coor. Sys. GDA 1994 MGA Zone 56

**Australia Technology Park  
Eveleigh, NSW**

**SITE LAYOUT**

**FIGURE 2:**



| ID | Easting    | Northing    |
|----|------------|-------------|
| 1  | 333302.989 | 6248006.382 |
| 2  | 333293.067 | 6247933.754 |
| 3  | 333293.439 | 6247856.397 |
| 4  | 333303.771 | 6247825.047 |
| 5  | 333273.907 | 6247812.619 |
| 6  | 333284.633 | 6247786.774 |
| 7  | 333132.920 | 6247742.202 |
| 8  | 332964.732 | 6247733.630 |
| 9  | 332961.638 | 6247797.811 |
| 10 | 332950.268 | 6247822.948 |
| 11 | 333078.318 | 6247874.821 |
| 12 | 333047.076 | 6247944.192 |
| 13 | 333035.035 | 6247939.195 |
| 14 | 332988.564 | 6248050.651 |
| 15 | 333228.276 | 6248150.135 |
| 16 | 333222.423 | 6248163.545 |
| 17 | 333249.014 | 6248184.579 |
| 18 | 333249.411 | 6248193.311 |
| 19 | 333351.804 | 6248259.986 |
| 20 | 333327.992 | 6248038.132 |
| 21 | 333318.864 | 6248024.242 |
| 22 | 333309.736 | 6248018.685 |



**Legend:**

- Approximate Boundary - ATP
- Cadastral Boundaries
- Approximate Boundary - The Site
- Existing Building Footprint Excluded from "The Site"
- Lot and DP Boundaries**
  - Lot 8 DP1136859
  - Lot 9 DP1136859
  - Lot 10 DP1136859
  - Lot 12 DP1136859
  - Lot 13 DP1136859
- Site Coordinate Location



Client: Mirvac

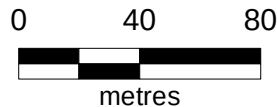
Version: R05 Rev A

Date: 27-May-2016

Drawn By: RF

Checked By: NC

Scale 1:2,500



Coor. Sys. GDA 1994 MGA Zone 56

**Australia Technology Park  
Eveleigh, NSW**

**CADASTRE - LOT AND DP  
LOCATION**

**FIGURE 3:**





#### Legend:

  Approximate Site Boundary

#### Borrow Pit Locations

  BP1 - Excavation RL 10m AHD

  BP2 - Excavation RL 9m AHD

  BP3 - Excavation RL 11m AHD



Client: Mirvac

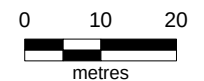
Version: R05 Rev B

Date: 27-May-2016

Drawn By: RF

Checked By: NC

Scale 1:1,000



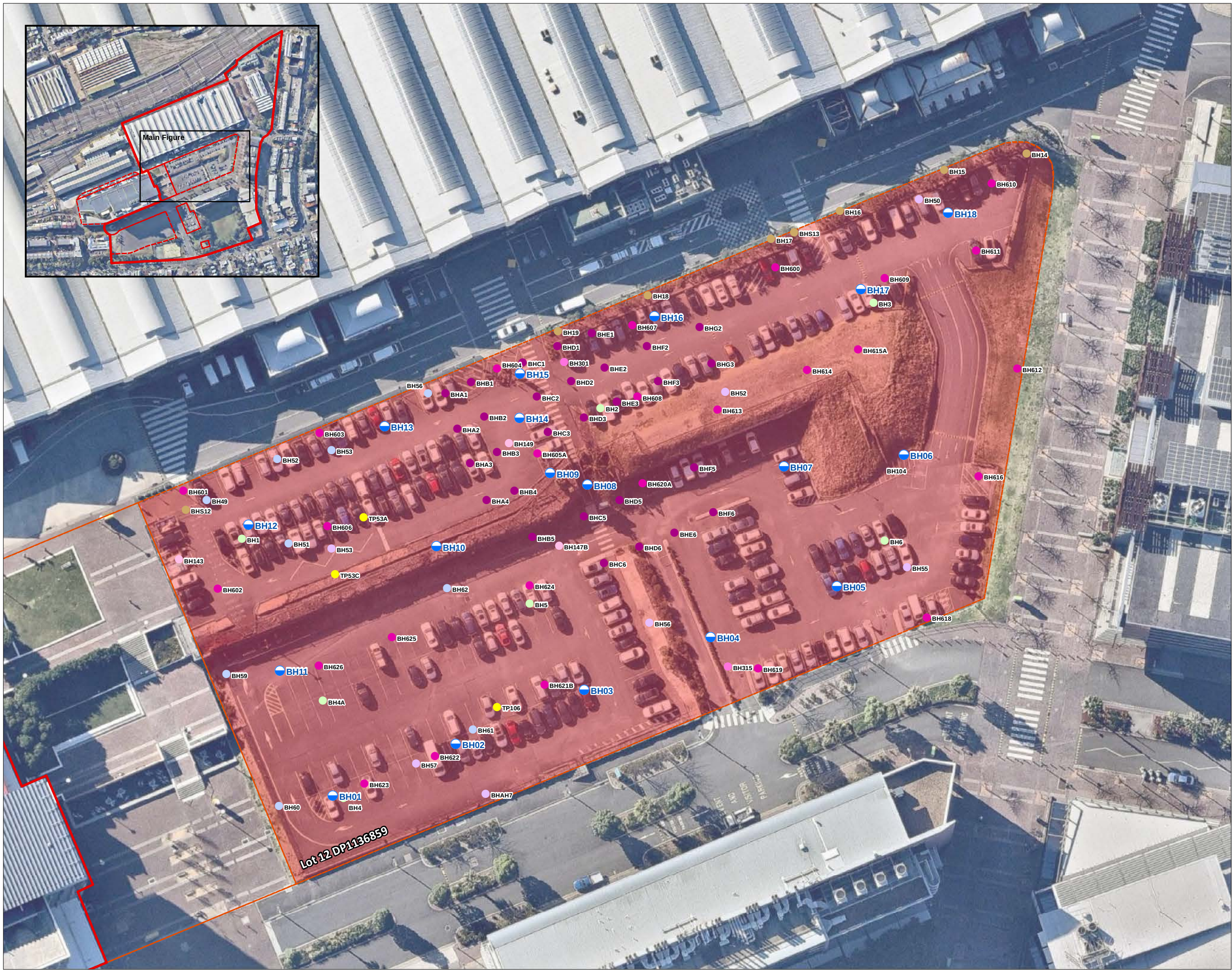
Coor. Sys. GDA 1994 MGA Zone 56

**Lot 12 DP 1136859**  
**Australia Technology Park**  
**2 lines**

**LOT 12 EXCAVATION**  
**EXTENT / LAYOUT**

**FIGURE 4:**

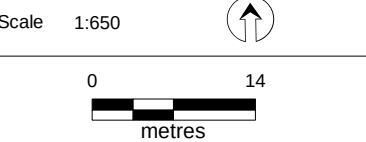




- Legend:**
- Sample Locations JBS&G 2016
  - Historical Soil Sample Locations
    - CMP&F 1993 (ES 2014e) - Lot 12
    - CMPS&F 1994 (ES 2014c) - Lot 12
    - DP 2003 (ES 2014c) - Lot 12
    - DP 2005a - Lot 12
    - DP 2008 (ES 2014c) - Lot 12
    - DP 2009 (ES 2014c) - Lot 12
    - ES 2014 (ES 2014c) - Lot 12
    - GETEX 2013 (ES 2014c) - Lot 12
    - HLA 2001 (ES 2014c) - Lot 12
    - JET 1993 (ES 2014c) - Lot 12
  - Approximate Boundary - ATP Site
  - Approximate Boundary - The Site
  - Cadastral Boundaries



Job No: 51142  
Client: Mirvac  
Version: R05 Rev B Date: 27-May-2016  
Drawn By: RF Checked By: NC



Coord. Sys. GDA 1994 MGA Zone 56  
Australia Technology Park  
Eveleigh, NSW  
  
HISTORIC AND CURRENT  
SOIL SAMPLE LOCATIONS LOT 12

FIGURE 5:



## **Attachment 3 – Field Logs**



**Borehole No: BH01****Project No: 51142****Client: Mirvac Projects Pty Ltd****Project Name: ATP Data Gap Investigation****Site Address: Lot 12 ATP****Date: 5/12/2015****Contractor: Matrix Drilling****Drill Rig: Geoprobe****Method: Pushtube****Total Hole Depth (mbgs): 2.3****Eastings (MGA): 0****Northings (MGA): 0****Reference Level: Ground Surface****Elevation - Surface (m): 0****Bore Diameter (mm): 100**

| SUBSURFACE PROFILE |             |                                                                                                                                                         | SAMPLE       |           |             |                                                                  |
|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                  | Sample ID    | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                          |              |           |             |                                                                  |
|                    |             | <b>Asphalt Pavement</b>                                                                                                                                 |              |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly, silty sand / grey - brown / heterogeneous / dry / poorly graded / coarse grained / with inclusions of slag and igneous gravels | BH01 0-1.0   | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             | <b>FILL</b><br>Silty sand / black / heterogeneous / dry / coarse grained / loose / inclusions of clay clasts, glass concrete, tiles and slag            | BH01 1.0-2.0 | 0         | U           |                                                                  |
| 2.0                |             |                                                                                                                                                         |              |           |             |                                                                  |
|                    |             | <b>End of Hole</b><br>Refusal at 2.3 mbgs - concrete slab                                                                                               |              |           |             |                                                                  |
| 3.0                |             |                                                                                                                                                         |              |           |             |                                                                  |
| 4.0                |             |                                                                                                                                                         |              |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                         |              |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                         |              |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                         |              |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                         |              |           |             |                                                                  |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



Borehole No: BH02

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 5/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 1.0

Eastings (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                            | SAMPLE     |           |             |                                          |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                     | Sample ID  | PID (ppm) | Sample Type | Comments                                 |
| 0.0                |             | Ground Surface                                                                                                                                             |            |           |             |                                          |
|                    |             | <b>Asphalt Pavement</b>                                                                                                                                    |            |           |             |                                          |
|                    |             | <b>FILL</b><br>Gravelly silty sand / grey - brown / heterogeneous / dry / coarse grained / loose / poorly sorted / no inclusions                           | BH02 0-1.0 | 0         | U           | No odours, staining or asbestos observed |
| 1.0                |             | <b>FILL</b><br>Silty sand / black / heterogeneous / dry / loose / poorly sorted / coarse sand and silts / inclusions of igneous, roadbase gravels and slag |            |           |             |                                          |
|                    |             | <b>End of Hole</b><br>Refusal at 1.0 mbgs - concrete slab                                                                                                  |            |           |             |                                          |
| 2.0                |             |                                                                                                                                                            |            |           |             |                                          |
| 3.0                |             |                                                                                                                                                            |            |           |             |                                          |
| 4.0                |             |                                                                                                                                                            |            |           |             |                                          |
| 5.0                |             |                                                                                                                                                            |            |           |             |                                          |
| 6.0                |             |                                                                                                                                                            |            |           |             |                                          |
| 7.0                |             |                                                                                                                                                            |            |           |             |                                          |
| 8.0                |             |                                                                                                                                                            |            |           |             |                                          |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



**Borehole No: BH03****Project No: 51142****Client: Mirvac Projects Pty Ltd****Project Name: ATP Data Gap Investigation****Site Address: Lot 12 ATP****Date: 5/12/2015****Contractor: Matrix Drilling****Drill Rig: Geoprobe****Method: Pushtube****Total Hole Depth (mbgs): 1.5****Eastings (MGA): 0****Northings (MGA): 0****Reference Level: Ground Surface****Elevation - Surface (m): 0****Bore Diameter (mm): 100**

| SUBSURFACE PROFILE |             |                                                                                                                                                                | SAMPLE       |           |             |                                                                  |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                         | Sample ID    | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                 |              |           |             |                                                                  |
|                    |             | <b>Asphalt Pavement</b>                                                                                                                                        |              |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Sandy gravel / grey - brown / heterogeneous / dry / loose / coarse gravel / poorly sorted / no inclusions                                       | BH03 0-1.0   | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             | <b>FILL</b><br>Silty sand / black / heterogeneous / dry / loose / coarse sand and silts / inclusions of igneous and asphaltic gravels, concrete, wood and slag | BH03 1.0-1.5 | 0         | U           |                                                                  |
|                    |             | <b>FILL</b><br>Clayey sand / orange and yellow / heterogeneous / dry / coarse sand / poorly sorted / inclusions of crushed bricks                              |              |           |             |                                                                  |
| 2.0                |             | <b>End of Hole</b><br>Refusal at 1.5 mbgs - concrete slab                                                                                                      |              |           |             |                                                                  |
| 3.0                |             |                                                                                                                                                                |              |           |             |                                                                  |
| 4.0                |             |                                                                                                                                                                |              |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                                |              |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                                |              |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                                |              |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                                |              |           |             |                                                                  |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



Borehole No: BH04

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 5/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 6.5

Easting (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                           | SAMPLE       |           |             |                                                                                      |
|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|--------------------------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                    | Sample ID    | PID (ppm) | Sample Type | Comments                                                                             |
| 0.0                |             | Ground Surface                                                                                                            |              |           |             |                                                                                      |
|                    |             | <b>Asphalt Pavement</b>                                                                                                   |              |           |             |                                                                                      |
|                    |             | <b>FILL</b><br>Sandy gravel / grey - brown / heterogeneous / dry / coarse grained / loose / poorly sorted / no inclusions | BH04 0-1.0   | 0.6       | U           | No odours, staining or asbestos observed within the fill profile                     |
| 1.0                |             | <b>FILL</b><br>Sand / yellow and brown / heterogeneous / dry / coarse grain / inclusions of igneous gravel and slag       |              |           |             |                                                                                      |
|                    |             | <b>Silty Clay</b><br>Black / heterogeneous / damp / firm / moderate plasticity / inclusions of plant matter               | BH04 1.0-2.0 | 6.7       | U           | Black silty clay material emitted organic odour                                      |
| 2.0                |             | <b>Silty Clay</b><br>Clay / orange with grey mottles / heterogeneous / stiff / non plastic / damp / no inclusions         |              |           |             |                                                                                      |
|                    |             |                                                                                                                           | BH04 2.0-4.0 | 1.0       | U           | No odours, staining or asbestos observed within the remainder of the natural profile |
| 3.0                |             |                                                                                                                           |              |           |             |                                                                                      |
| 4.0                |             |                                                                                                                           | BH04 4.0-5.0 | 0         | U           |                                                                                      |
| 5.0                |             |                                                                                                                           | BH04 5.0-5.5 | 0         | U           |                                                                                      |
|                    |             | <b>Shale</b><br>Shale bedrock / grey / hard                                                                               |              | 0         | U           |                                                                                      |
| 6.0                |             |                                                                                                                           | BH04 5.5-6.5 |           |             |                                                                                      |
|                    |             | <b>End of Hole</b><br>Refusal at 6.5 mbgs - program depth                                                                 |              |           |             |                                                                                      |
| 7.0                |             |                                                                                                                           |              |           |             |                                                                                      |
| 8.0                |             |                                                                                                                           |              |           |             |                                                                                      |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information





Borehole No: BH05

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 5/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 4.0

Easting (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                                       | SAMPLE       |           |             |                                                                  |
|--------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                                | Sample ID    | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                        |              |           |             |                                                                  |
|                    |             | <b>Asphalt Pavement</b>                                                                                                                                               |              |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly, silty sand / grey - brown / heterogeneous / dry / loose / coarse grained / poorly sorted / no inclusions                                     | BH05 0-1.0   | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             | <b>FILL</b><br>Silty sand / black / heterogeneous / dry / coarse grain / loose / poorly graded / inclusions of igneous and asphaltic gravels, concrete, wood and slag | BH05 1.0-2.0 | 0         | U           |                                                                  |
| 2.0                |             | <b>FILL</b><br>Sand / black and grey / heterogeneous / dry / coarse grain / loose / poorly sorted / no inclusions                                                     | BH05 2.0-3.0 | 0         | U           |                                                                  |
| 3.0                |             | <b>Clay</b><br>Clay / orange with grey mottling / low plasticity / stiff / no inclusions                                                                              | BH05 3.5-4.0 | 0         | U           |                                                                  |
| 4.0                |             | <b>End of Hole</b><br>End of hole@ 4.0 - program depth                                                                                                                |              |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                                       |              |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                                       |              |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                                       |              |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                                       |              |           |             |                                                                  |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



Borehole No: BH06

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 5/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 0.5

Easting (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                   | SAMPLE     |           |             |                                                                  |
|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                            | Sample ID  | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                    |            |           |             |                                                                  |
|                    |             | <b>Asphalt Pavement</b>                                                                                                                           |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly, silty sand / grey - brown / heterogeneous / dry / coarse grain / loose / poorly sorted / coarse gravel / no inclusions   | BH06 0-1.0 | 0         | U           | No odours, staining or asbestos observed within the fill profile |
|                    |             | <b>FILL</b><br>Silty sand / black / heterogeneous / dry / coarse grain / loose / poorly sorted / inclusions of igneous gravels, concrete and slag |            |           |             |                                                                  |
|                    |             | <b>End of Hole</b><br>End of hole@ 0.5 - encountered service                                                                                      |            |           |             |                                                                  |
| 1.0                |             |                                                                                                                                                   |            |           |             |                                                                  |
| 2.0                |             |                                                                                                                                                   |            |           |             |                                                                  |
| 3.0                |             |                                                                                                                                                   |            |           |             |                                                                  |
| 4.0                |             |                                                                                                                                                   |            |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                   |            |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                   |            |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                   |            |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                   |            |           |             |                                                                  |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



**Borehole No: BH07****Project No: 51142****Client: Mirvac Projects Pty Ltd****Project Name: ATP Data Gap Investigation****Site Address: Lot 12 ATP****Date: 5/12/2015****Contractor: Matrix Drilling****Drill Rig: Geoprobe****Method: Pushtube****Total Hole Depth (mbgs): 4.0****Eastings (MGA): 0****Northings (MGA): 0****Reference Level: Ground Surface****Elevation - Surface (m): 0****Bore Diameter (mm): 100**

| SUBSURFACE PROFILE |             |                                                                                                                                 | SAMPLE       |           |             |                                                                  |
|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                          | Sample ID    | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                  |              |           |             |                                                                  |
|                    |             | <b>Asphalt Pavement</b>                                                                                                         |              |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly, silty sand / grey - brown / heterogeneous / dry / loose / coarse grain / poorly sorted / no inclusions | BH07 0-1.0   | 0         | U           | No odours, staining or asbestos observed within the fill profile |
|                    |             | <b>FILL</b><br>Sand / grey / heterogeneous / moist / coarse grain / loose / poor grade / inclusions of slag                     |              |           |             |                                                                  |
| 1.0                |             | <b>Silty clay</b><br>Sandy, silty clay / black and orange / heterogeneous / damp / high plasticity / soft / no inclusions       | BH07 1.0-1.5 | 0         | U           |                                                                  |
|                    |             | Grades to black silty clay                                                                                                      |              |           |             |                                                                  |
| 2.0                |             | <b>Clay</b><br>Clay / orange with white mottling                                                                                | BH07 2.0-3.0 | 0         | U           |                                                                  |
| 3.0                |             |                                                                                                                                 | BH07 3.0-4.0 | 0         | U           |                                                                  |
| 4.0                |             | <b>End of Hole</b><br>End of hole@ 4.0 - program                                                                                |              |           |             |                                                                  |
| 5.0                |             |                                                                                                                                 |              |           |             |                                                                  |
| 6.0                |             |                                                                                                                                 |              |           |             |                                                                  |
| 7.0                |             |                                                                                                                                 |              |           |             |                                                                  |
| 8.0                |             |                                                                                                                                 |              |           |             |                                                                  |

|                                 |                                |                               |                                |
|---------------------------------|--------------------------------|-------------------------------|--------------------------------|
| <i>Drilling Method Pushtube</i> | <i>Sample Type Undisturbed</i> | <i>Reference Level</i>        | <i>Log Details</i>             |
| HA - Hand Auger                 | U - Undisturbed tube sample    | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger        | D - Disturbed sample           | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger       | CS - Core sample               |                               |                                |
| PT - Push Tube                  |                                |                               |                                |
| AH - Air Hammer                 |                                |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



Borehole No: BH08

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 6/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 3.0

Easting (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                           | SAMPLE       |           |             |                                                                  |
|--------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                    | Sample ID    | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                            |              |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly, silty sand / brown / heterogeneous / dry / with inclusions of sandstone, igneous gravel, rootlets, other organic matter and slag | BH08 0-1.0   | 0         | U           | No odours, staining or asbestos observed within the fill profile |
|                    |             | <b>FILL</b><br>As above with fewer organic matter inclusions                                                                                              |              |           |             |                                                                  |
| 1.0                |             |                                                                                                                                                           | BH08 1.0-2   | 0         | U           |                                                                  |
| 2.0                |             |                                                                                                                                                           |              |           |             |                                                                  |
|                    |             | <b>Clayey Sand</b><br>Clayey sand / cream, red and grey / mottled / damp / homogeneous / highly plastic                                                   | BH08 2.5-3.0 | 0         | U           |                                                                  |
| 3.0                |             | <b>End of Hole</b><br>End of hole@ 3.0 - program                                                                                                          |              |           |             |                                                                  |
| 4.0                |             |                                                                                                                                                           |              |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                           |              |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                           |              |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                           |              |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                           |              |           |             |                                                                  |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Daniel Danero       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



Borehole No: BH09

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 6/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 8

Easting (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                                            | SAMPLE     |           |             |                                          |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                                     | Sample ID  | PID (ppm) | Sample Type | Comments                                 |
| 0.0                |             | Ground Surface                                                                                                                                                             |            |           |             | No odours, staining or asbestos observed |
|                    |             | <b>FILL</b><br>Gravelly silty sand / brown, black and red / heterogeneous / dry / with inclusions of high quantity of asphaltic gravels, some charcoal, slag and sandstone | BH09 0-1.0 | 0         | U           |                                          |
| 1.0                |             | <b>FILL</b><br>Silty sand / gold and brown / homogeneous / damp / no inclusions                                                                                            | BH09 1-2   | 0         | U           |                                          |
| 2.0                |             |                                                                                                                                                                            | BH09 2-3   | 0         | U           |                                          |
| 3.0                |             | <b>Clayey Sand</b><br>Clayey sand / brown / heterogeneous / damp / poor grade / coarse grai                                                                                | BH09 3-4   | 0         | U           |                                          |
| 4.0                |             |                                                                                                                                                                            |            |           |             |                                          |
| 5.0                |             |                                                                                                                                                                            |            |           |             |                                          |
| 6.0                |             | <b>Clay</b><br>Clay / red with grey mottling / highly plastic / mottled                                                                                                    | BH09 6-6.5 | 0         | U           |                                          |
| 7.0                |             |                                                                                                                                                                            |            |           |             |                                          |
| 8.0                |             | <b>Shale</b><br>Shale bedrock / hard / grey                                                                                                                                | BH09 8     | 0         | U           |                                          |
|                    |             | <b>End of Hole</b><br>End of hole @ 8.0 - program                                                                                                                          |            |           |             |                                          |

| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Daniel Danero       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information





Borehole No: BH10

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 6/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 1.3

Eastings (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                                      | SAMPLE     |           |             |                                                                  |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                               | Sample ID  | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                       |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly silty sand / brown, black and red / heterogeneous / with inclusions of high quantity of asphaltic gravels, some charcoal, sandstone and slag | BH10 0-1.0 | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
|                    |             | <b>End of Hole</b><br>End of hole@ 1.3 - refusal on concrete.<br>- moved location 0.5 m west, same result, abandoned                                                 |            |           |             |                                                                  |
| 2.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 3.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 4.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |

| Drilling Method Pushtube                                                                                      | Sample Type Undisturbed                                                 | Reference Level                                             | Log Details                                                |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|
| HA - Hand Auger<br>SFA - Solid Flight Auger<br>HFA - Hollow Flight Auger<br>PT - Push Tube<br>AH - Air Hammer | U - Undisturbed tube sample<br>D - Disturbed sample<br>CS - Core sample | AHD - Australian Height Datum<br>BGS - Below Ground Surface | Logged By: Daniel Danero<br>Project Manager: Nathan Cussen |

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Borehole No: BH11

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 5/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Auger

Total Hole Depth (mbgs): 0.5

Eastings (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |                                                                                   |                                           | SAMPLE    |           |             |                                                                  |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------|-----------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log                                                                       | Lithologic Description                    | Sample ID | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |                                                                                   | Ground Surface                            |           |           |             |                                                                  |
|                    |  | Asphalt Pavement                          |           |           |             |                                                                  |
|                    |  | FILL<br>Concrete                          |           |           |             | No odours, staining or asbestos observed within the fill profile |
|                    |  | End of Hole<br>End of hole@ 0.5 - Refusal |           |           |             |                                                                  |
| 1.0                |                                                                                   |                                           |           |           |             |                                                                  |
| 2.0                |                                                                                   |                                           |           |           |             |                                                                  |
| 3.0                |                                                                                   |                                           |           |           |             |                                                                  |
| 4.0                |                                                                                   |                                           |           |           |             |                                                                  |
| 5.0                |                                                                                   |                                           |           |           |             |                                                                  |
| 6.0                |                                                                                   |                                           |           |           |             |                                                                  |
| 7.0                |                                                                                   |                                           |           |           |             |                                                                  |
| 8.0                |                                                                                   |                                           |           |           |             |                                                                  |

| Drilling Method           | Sample Type                 | Reference Level               | Log Details                    |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information  
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**Borehole No: BH12****Project No: 51142****Client: Mirvac Projects Pty Ltd****Project Name: ATP Data Gap Investigation****Site Address: Lot 12 ATP****Date: 5/12/2015****Contractor: Matrix Drilling****Drill Rig: Geoprobe****Method: Pushtube****Total Hole Depth (mbgs): 7.0****Eastings (MGA): 0****Northings (MGA): 0****Reference Level: Ground Surface****Elevation - Surface (m): 0****Bore Diameter (mm): 100**

| SUBSURFACE PROFILE |             |                                                                                                                                                                                      | SAMPLE     |           |             |                                                                  |
|--------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                                               | Sample ID  | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                                       |            |           |             | No odours, staining or asbestos observed within the fill profile |
|                    |             | <b>Concrete</b><br>Concrete                                                                                                                                                          |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Silty sand / black / heterogeneous / dry / coarse grained / poorly sorted / with inclusions of clay clasts, concrete fragments, igneous gravels and slag              | BH12 0-1.0 | 0         | U           |                                                                  |
| 1.0                |             | <b>FILL</b><br>Reworked clay and sand / yellow to orange / heterogeneous / damp / coarse grained / poorly sorted / with clay clasts (yellow and black) / no anthropogenic inclusions | BH12 1-2   | 0         | U           |                                                                  |
| 2.0                |             |                                                                                                                                                                                      | BH12 2-3   | 0         | U           |                                                                  |
| 3.0                |             |                                                                                                                                                                                      | BH12 3-4   | 0         | U           |                                                                  |
| 4.0                |             |                                                                                                                                                                                      | BH12 4-5   | 0         | U           |                                                                  |
| 5.0                |             | <b>Clay</b><br>Clay / orange with grey mottling / moist / firm to stiff / plastic / no inclusions                                                                                    | BH12 5-6   | 0         | U           |                                                                  |
| 6.0                |             |                                                                                                                                                                                      |            |           |             |                                                                  |
|                    |             |                                                                                                                                                                                      | BH12 6.5-7 | 0         | U           |                                                                  |
| 7.0                |             | <b>End of Hole</b><br>End of hole @ 7.0 - program                                                                                                                                    |            |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                                                      |            |           |             |                                                                  |

| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Rohan Hammond       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

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Borehole No: BH13

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 6/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 3.5

Easting (MGA): 0

Northing (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                                     | SAMPLE     |           |             |                                          |
|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                              | Sample ID  | PID (ppm) | Sample Type | Comments                                 |
| 0.0                |             | Ground Surface                                                                                                                                                      |            |           |             | No odours, staining or asbestos observed |
|                    |             |                                                                                                                                                                     | BH13 0-1.0 | 0         | U           |                                          |
| 1.0                |             | <b>FILL</b><br>Gravelly silty sand / brown, black and red / heterogeneous / with inclusions of high quantity of asphaltic gravel, some charcoal, sandstone and slag | BH13 1-2   | 0         | U           |                                          |
| 2.0                |             |                                                                                                                                                                     |            |           |             |                                          |
| 3.0                |             |                                                                                                                                                                     |            |           |             |                                          |
|                    |             | <b>Clay</b><br>Silty clay / brown with grey mottling stiff / low plasticity / mottled                                                                               | BH13 3-3.5 | 0         | U           |                                          |
|                    |             | <b>End of Hole</b><br>End of hole @ 3.5 - program                                                                                                                   |            |           |             |                                          |
| 4.0                |             |                                                                                                                                                                     |            |           |             |                                          |
| 5.0                |             |                                                                                                                                                                     |            |           |             |                                          |
| 6.0                |             |                                                                                                                                                                     |            |           |             |                                          |
| 7.0                |             |                                                                                                                                                                     |            |           |             |                                          |
| 8.0                |             |                                                                                                                                                                     |            |           |             |                                          |

| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Daniel Danero       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information  
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Borehole No: BH14

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 6/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 1.0

Eastings (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                                                                                 | SAMPLE     |           |             |                                                                  |
|--------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                                                                          | Sample ID  | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                                                                  |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly silty sand / brown, black and / heterogeneous / with inclusions of asphaltic gravels, some charcoal, sandstone, igneous gravels and slag<br><b>Shale</b><br>Shale bedrock / grey / hard | BH14 0-1.0 | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             | <b>End of Hole</b><br>End of hole @ 1.0 - program                                                                                                                                                               |            |           |             |                                                                  |
| 2.0                |             |                                                                                                                                                                                                                 |            |           |             |                                                                  |
| 3.0                |             |                                                                                                                                                                                                                 |            |           |             |                                                                  |
| 4.0                |             |                                                                                                                                                                                                                 |            |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                                                                                 |            |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                                                                                 |            |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                                                                                 |            |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                                                                                 |            |           |             |                                                                  |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Daniel Danero       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information  
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Borehole No: BH15

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 6/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 3.6

Eastings (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                                      | SAMPLE     |           |             |                                                                  |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                               | Sample ID  | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                       |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly silty sand / brown, black and red / heterogeneous / with inclusions of asphaltic gravels, some charcoal, sandstone, igneous gravels and slag | BH15 0-1.0 | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             |                                                                                                                                                                      | BH15 1-2   | 0         | U           |                                                                  |
| 2.0                |             |                                                                                                                                                                      | BH15 2-3   | 0         | U           |                                                                  |
| 3.0                |             |                                                                                                                                                                      | BH15 3-3.6 | 0         | U           |                                                                  |
|                    |             | <b>Silty Clay</b><br>Silty clay / red and cream / some inclusions of sandy bands                                                                                     |            |           |             |                                                                  |
|                    |             | <b>End of Hole</b><br>End of hole @ 3.6 - program                                                                                                                    |            |           |             |                                                                  |
| 4.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |

| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Daniel Danero       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information  
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**Borehole No: BH16****Project No: 51142****Client: Mirvac Projects Pty Ltd****Project Name: ATP Data Gap Investigation****Site Address: Lot 12 ATP****Date: 6/12/2015****Contractor: Matrix Drilling****Drill Rig: Geoprobe****Method: Pushtube****Total Hole Depth (mbgs): 4.5****Eastings (MGA): 0****Northings (MGA): 0****Reference Level: Ground Surface****Elevation - Surface (m): 0****Bore Diameter (mm): 100**

| SUBSURFACE PROFILE |             |                                                                                                                                                                      | SAMPLE     |           |             |                                                                  |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                               | Sample ID  | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                       |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly silty sand / brown, black and red / heterogeneous / with inclusions of asphaltic gravels, some charcoal, sandstone, igneous gravels and slag | BH16 0-1.0 | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             | <b>FILL</b><br>Clayey sand / light brown / inclusions of slag                                                                                                        | BH16 1-2   | 0         | U           |                                                                  |
| 2.0                |             |                                                                                                                                                                      | BH16 2-3   | 0         | U           |                                                                  |
| 3.0                |             | <b>Silty Sand</b><br>Silty sand / brown and yellow / homogeneous / damp / no inclusions                                                                              | BH16 3-4   | 0         | U           |                                                                  |
| 4.0                |             | <b>Silty Clay</b><br>Silty clay / red, grey and cream / mottled                                                                                                      | BH16 4-4.5 | 0         | U           |                                                                  |
|                    |             | <b>End of Hole</b><br>End of hole @ 4.5 - program                                                                                                                    |            |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Daniel Danero       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



Borehole No: BH17

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 6/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 8.0

Eastings (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                                      | SAMPLE     |           |             |                                                                  |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                               | Sample ID  | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                       |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly silty sand / brown, black and red / heterogeneous / with inclusions of asphaltic gravels, some charcoal, sandstone, igneous gravels and slag | BH17 0-1.0 | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             | <b>FILL</b><br>As above, increase in sand / gold / damp / heterogeneous                                                                                              | BH17 1-2   | 0         | U           |                                                                  |
| 2.0                |             |                                                                                                                                                                      | BH17 2-3   | 0         | U           |                                                                  |
| 3.0                |             | <b>FILL</b><br>Reworked Natural                                                                                                                                      |            |           |             |                                                                  |
| 4.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 5.0                |             | <b>Silty Clay</b><br>Silty clay / red, grey and cream / homogenous / highly plastic / no inclusions - some red (Fe rich) litho-clasts (handed)                       | BH17 4-5   | 0         | U           |                                                                  |
| 6.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                                      | BH17 6-7   | 0         | U           |                                                                  |
| 8.0                |             | <b>Shale</b><br>Shale bedrock / hard / grey                                                                                                                          |            |           |             |                                                                  |
|                    |             | <b>End of Hole</b><br>End of hole @ 8.0 - program                                                                                                                    |            |           |             |                                                                  |

| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Daniel Danero       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



Borehole No: BH18

Project No: 51142

Client: Mirvac Projects Pty Ltd

Project Name: ATP Data Gap Investigation

Site Address: Lot 12 ATP

Date: 6/12/2015

Contractor: Matrix Drilling

Drill Rig: Geoprobe

Method: Pushtube

Total Hole Depth (mbgs): 4.0

Eastings (MGA): 0

Northings (MGA): 0

Reference Level: Ground Surface

Elevation - Surface (m): 0

Bore Diameter (mm): 100

| SUBSURFACE PROFILE |             |                                                                                                                                                                      | SAMPLE     |           |             |                                                                  |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|------------------------------------------------------------------|
| Depth              | Graphic Log | Lithologic Description                                                                                                                                               | Sample ID  | PID (ppm) | Sample Type | Comments                                                         |
| 0.0                |             | Ground Surface                                                                                                                                                       |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Gravelly silty sand / brown, black and red / heterogeneous / with inclusions of asphaltic gravels, some charcoal, sandstone, igneous gravels and slag | BH18 0-1.0 | 0         | U           | No odours, staining or asbestos observed within the fill profile |
| 1.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
|                    |             | <b>FILL</b><br>Reworked natural - silty clay / red and grey / some charcoal inclusions                                                                               | BH18 1-2   | 0         | U           |                                                                  |
| 2.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
|                    |             |                                                                                                                                                                      | BH18 2-3   | 0         | U           |                                                                  |
| 3.0                |             | <b>Silty Clay</b><br>Silty clay / red with grey mottling                                                                                                             | BH18 3-4   | 0         | U           |                                                                  |
| 4.0                |             | <b>End of Hole</b><br>End of hole @ 4.0 - program                                                                                                                    |            |           |             |                                                                  |
| 5.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 6.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 7.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |
| 8.0                |             |                                                                                                                                                                      |            |           |             |                                                                  |

|                           |                             |                               |                                |
|---------------------------|-----------------------------|-------------------------------|--------------------------------|
| Drilling Method Pushtube  | Sample Type Undisturbed     | Reference Level               | Log Details                    |
| HA - Hand Auger           | U - Undisturbed tube sample | AHD - Australian Height Datum | Logged By: Daniel Danero       |
| SFA - Solid Flight Auger  | D - Disturbed sample        | BGS - Below Ground Surface    | Project Manager: Nathan Cussen |
| HFA - Hollow Flight Auger | CS - Core sample            |                               |                                |
| PT - Push Tube            |                             |                               |                                |
| AH - Air Hammer           |                             |                               |                                |

**NOTE:** This bore log is for environmental assessment purposes only and is not intended to provide geotechnical information



## **Attachment 4 – Tabulated QA/QC Data**

SOIL Field Duplicates (SOIL)  
Filter: ALL

| SDG                           |             | 482392       | 482392   |                                | 482392       | 482392   |     | 482392       | 482392   |     | 482392       | Interlab_D |      | 482392       | Interlab_D |      | 482392       | Interlab_D |     |
|-------------------------------|-------------|--------------|----------|--------------------------------|--------------|----------|-----|--------------|----------|-----|--------------|------------|------|--------------|------------|------|--------------|------------|-----|
| Field ID                      |             | BH05 3.5-4.0 | QC01     | RPD                            | BH07 3.0-4.0 | QC02     | RPD | BH12 6.5-7.0 | QC03     | RPD | BH05 3.5-4.0 | QC01A      | RPD  | BH07 3.0-4.0 | QC02A      | RPD  | BH12 6.5-7.0 | QC03A      | RPD |
| Sampled Date/Time             |             | 06-12-15     | 06-12-15 |                                | 06-12-15     | 06-12-15 |     | 06-12-15     | 06-12-15 |     | 06-12-15     | 06-12-15   |      | 06-12-15     | 06-12-15   |      | 06-12-15     | 06-12-15   |     |
| Filter                        | Chem_Gr     | ChemNam      | Units    | EQL                            |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Metals & M                    | Metals & M  | Arsenic (T)  | mg/kg    | 2 (Primary): 4 (Interlab)      | 8.2          | 9.5      | 15  | 3.6          | 54.0     | 175 | 3.6          | <2.0       | 57   | 8.2          | 4.0        | 69   | 3.6          | 11.0       | 101 |
| Metals & M                    |             | Cadmium      | mg/kg    | 0.4                            | <0.4         | <0.4     | 0   | <0.4         | <0.4     | 0   | <0.4         | <0.4       | 0    | <0.4         | <0.4       | 0    | <0.4         | <0.4       | 0   |
| Metals & M                    |             | Chromium     | mg/kg    | 5 (Primary): 1 (Interlab)      | 13.0         | 32.0     | 84  | 13.0         | 19.0     | 38  | 6.0          | <5.0       | 18   | 13.0         | 9.0        | 36   | 13.0         | 5.0        | 89  |
| Metals & M                    |             | Copper       | mg/kg    | 5 (Primary): 1 (Interlab)      | 530.0        | <5.0     | 196 | 7.7          | 6.5      | 17  | <5.0         | <5.0       | 0    | 530.0        | 2.0        | 198  | 7.7          | 3.0        | 88  |
| Metals & M                    |             | Lead         | mg/kg    | 5 (Primary): 1 (Interlab)      | 150.0        | 6.6      | 183 | 20.0         | <5.0     | 120 | <5.0         | <5.0       | 0    | 150.0        | 10.0       | 175  | 20.0         | 9.0        | 76  |
| Metals & M                    |             | Mercury (I)  | mg/kg    | 0.05 (Primary): 0.1 (Interlab) | 0.06         | <0.05    | 18  | <0.05        | <0.05    | 0   | <0.05        | <0.05      | 0    | 0.06         | <0.1       | 0    | <0.05        | <0.1       | 0   |
| Metals & M                    |             | Nickel       | mg/kg    | 5 (Primary): 1 (Interlab)      | 16.0         | <5.0     | 105 | <5.0         | <5.0     | 0   | <5.0         | <5.0       | 0    | 16.0         | <1.0       | 176  | <5.0         | <1.0       | 0   |
| Metals & M                    |             | Zinc         | mg/kg    | 5 (Primary): 1 (Interlab)      | 220.0        | <5.0     | 191 | <5.0         | <5.0     | 0   | <5.0         | <5.0       | 0    | 220.0        | <1.0       | 198  | <5.0         | <1.0       | 0   |
| Metals & Metalloids           |             |              |          |                                |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Chlorinated                   | Chlorinated | 1,1,1,2-tetr | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,1,1-trichl | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,1,2-trichl | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,1,2,2-tetr | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,1-dichlor  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,2,3-trichl | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,2-dichlor  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,2-dichlor  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,3-dichlor  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Bromochlor   | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Bromodichl   | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Carbon tetr  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Chloroetha   | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Chloroform   | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Chloromet    | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | di bromochl  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Dichlorodif  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Dichlorom    | mg/kg    | 0.5                            | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       |      |              | <0.5       |      |              |            |     |
| Chlorinated                   |             | Trichlorofl  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated Alkanes           |             |              |          |                                |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Chlorinated                   | Chlorinated | 1,1,2,2-tetr | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 1,1-Dichlor  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | 3-chloroprd  | mg/kg    | 0.05                           | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      |      |              | <0.05      |      |              |            |     |
| Chlorinated                   |             | 4-chlorotol  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | cis-1,2-dich | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | cis-1,3-dich | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | trans-1,2-d  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | trans-1,3-d  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Trichloroet  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                   |             | Vinyl Chlor  | mg/kg    | 0.5 (Primary): 1 (Interlab)    | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated Alkenes           |             |              |          |                                |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| TPHs (NEP                     | TPHs (NEP   | C6-C9 Fra    | mg/kg    | 20 (Primary): 25 (Interlab)    | <20.0        | <20.0    | 0   | <20.0        | <20.0    | 0   | <20.0        | <20.0      | 0    | <20.0        | <25.0      | 0    | <20.0        | <25.0      | 0   |
| TPHs (NEP                     |             | C10-C14 F    | mg/kg    | 20 (Primary): 50 (Interlab)    | <20.0        | <20.0    | 0   | <20.0        | <20.0    | 0   | <20.0        | <20.0      | 0    | <20.0        | <50.0      | 0    | <20.0        | <50.0      | 0   |
| TPHs (NEP                     |             | C15-C28 F    | mg/kg    | 50 (Primary): 100 (Interlab)   | <50.0        | <50.0    | 0   | <50.0        | <50.0    | 0   | <50.0        | <50.0      | 0    | <50.0        | <100.0     | 0    | <50.0        | <100.0     | 0   |
| TPHs (NEP                     |             | C29-C36 F    | mg/kg    | 50 (Primary): 100 (Interlab)   | <50.0        | <50.0    | 0   | <50.0        | <50.0    | 0   | <50.0        | <50.0      | 0    | <50.0        | <100.0     | 0    | <50.0        | <100.0     | 0   |
| TPHs (NEP                     |             | C10-C36 F    | mg/kg    | 50                             | <50.0        | <50.0    | 0   | <50.0        | <50.0    | 0   | <50.0        | <50.0      | 0    | <50.0        |            |      | <50.0        |            |     |
| TPHs (NEPC 1999)              |             |              |          |                                |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| TRHs (NEP                     | TRHs (NEP   | >C10-C16     | mg/kg    | 50                             | <50.0        | <50.0    | 0   | <50.0        | <50.0    | 0   | <50.0        | <50.0      | 0    | <50.0        | <50.0      | 0    | <50.0        | <50.0      | 0   |
| TRHs (NEP                     |             | C6-C10 Fr    | mg/kg    | 20 (Primary): 25 (Interlab)    | <20.0        | <20.0    | 0   | <20.0        | <20.0    | 0   | <20.0        | <20.0      | 0    | <20.0        | <25.0      | 0    | <20.0        | <25.0      | 0   |
| TRHs (NEP                     |             | >C16-C34     | mg/kg    | 100                            | <100.0       | <100.0   | 0   | <100.0       | <100.0   | 0   | <100.0       | <100.0     | 0    | <100.0       | <100.0     | 0    | <100.0       | <100.0     | 0   |
| TRHs (NEP                     |             | >C34-C40     | mg/kg    | 100                            | <100.0       | <100.0   | 0   | <100.0       | <100.0   | 0   | <100.0       | <100.0     | 0    | <100.0       | <100.0     | 0    | <100.0       | <100.0     | 0   |
| TRHs (NEP                     |             | C6 - C10 l   | mg/kg    | 20                             | <20.0        | <20.0    | 0   | <20.0        | <20.0    | 0   | <20.0        | <20.0      | 0    | <20.0        |            |      | <20.0        |            |     |
| TRHs (NEPC 2013)              |             |              |          |                                |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| TRHs (NEP                     | TRHs (NEP   | >C10 - C1    | mg/kg    | 50                             | <50.0        | <50.0    | 0   | <50.0        | <50.0    | 0   | <50.0        | <50.0      | 0    | <50.0        |            |      | <50.0        |            |     |
| TRHs (NEPC 2013) - Silica Gel |             |              |          |                                |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| BTEX                          | BTEX        | Benzene      | mg/kg    | 0.1 (Primary): 0.2 (Interlab)  | <0.1         | <0.1     | 0   | <0.1         | <0.1     | 0   |              | <0.1       | <0.2 | 0            | <0.1       | <0.2 | 0            |            |     |
| BTEX                          |             | Ethylbenze   | mg/kg    | 0.1 (Primary): 1 (Interlab)    | <0.1         | <0.1     | 0   | <0.1         | <0.1     | 0   |              | <0.1       | <1.0 | 0            | <0.1       | <1.0 | 0            |            |     |
| BTEX                          |             | Toluene      | mg/kg    | 0.1 (Primary): 0.5 (Interlab)  | <0.1         | <0.1     | 0   | <0.1         | <0.1     | 0   |              | <0.1       | <0.5 | 0            | <0.1       | <0.5 | 0            |            |     |
| BTEX                          |             | Xylene (m    | mg/kg    | 0.2 (Primary): 2 (Interlab)    | <0.2         | <0.2     | 0   | <0.2         | <0.2     | 0   |              | <0.2       | <2.0 | 0            | <0.2       | <2.0 | 0            |            |     |
| BTEX                          |             | Xylene (o)   | mg/kg    | 0.1 (Primary): 1 (Interlab)    | <0.1         | <0.1     | 0   | <0.1         | <0.1     | 0   |              | <0.1       | <1.0 | 0            | <0.1       | <1.0 | 0            |            |     |
| BTEX                          |             | Xylene (To   | mg/kg    | 0.3                            | <0.3         | <0.3     | 0   | <0.3         | <0.3     | 0   |              | <0.3       |      |              | <0.3       |      |              |            |     |
| BTEX                          |             |              |          |                                |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Polycyclic                    | Polycyclic  | Acenaphth    | mg/kg    | 0.5 (Primary): 0.1 (Interlab)  | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         | <0.5       | 0    | <0.5         | <0.1       | 0    | <0.5         | <0.1       | 0   |
| Polycyclic                    |             | Acenaphth    | mg/kg    | 0.5 (Primary): 0.1 (Interlab)  | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         | <0.5       | 0    | <0.5         | <0.1       | 0    | <0.5         | <0.1       | 0   |
| Polycyclic                    |             | Anthracene   | mg/kg    | 0.5 (Primary): 0.1 (Interlab)  | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         | <0.5       | 0    | <0.5         | <0.1       | 0    | <0.5         | <0.1       | 0   |
| Polycyclic                    |             | Benz(a)ant   | mg/kg    | 0.5 (Primary): 0.1 (Interlab)  | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         | <0.5       | 0    | <0.5         | <0.1       | 0    | <0.5         | <0.1       | 0   |
| Polycyclic                    |             | Benzo(a)py   | mg/kg    | 0.5 (Primary): 0.05 (Interlab) | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         | <0.5       | 0    | <0.5         | <0.05      | 0    | <0.5         | <0.05      | 0   |
| Polycyclic                    |             | Benzo(a)py   | mg/kg    | 0.5                            | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         | <0.5       | 0    | <0.5         | <0.5       | 0    | <0.5         | <0.5       | 0   |
| Polycyclic                    |             | Benzo(a)py   | mg/kg    | 0.5                            | 0.6          | 0.6      | 0   | 0.6          | 0.6      | 0   | 0.6          | 0.6        | 0    | 0.6          | <0.5       | 18   | 0.6          | <0.5       | 18  |
| Polycyclic                    |             | Benzo(a)py   | mg/kg    | 0.5                            | 1.2          | 1.2      | 0   | 1.2          | 1.2      | 0   | 1.2          | <0.5       | 82   | 1.2          | <0.5       | 82   | 1.2          | <0.5       | 82  |
| Polycyclic                    |             | Benzo(b)j    | mg/kg    | 0.5                            | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         | <0.5       | 0    | <0.5         |            |      | <0.5         |            |     |
| Polycyclic                    |             | Benzo(g,h    | mg/kg    | 0.5 (Primary): 0.1 (Interlab)  | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         | <0.5       | 0    | <0.          |            |      |              |            |     |

| Field Duplicates (SOIL)<br>Filter: ALL |                       |              | SDG               | 482392                         | 482392   |     | 482392       | 482392   |     | 482392       | 482392   |     | 482392       | Interlab_D |      | 482392       | Interlab_D |      | 482392       | Interlab_D |     |
|----------------------------------------|-----------------------|--------------|-------------------|--------------------------------|----------|-----|--------------|----------|-----|--------------|----------|-----|--------------|------------|------|--------------|------------|------|--------------|------------|-----|
|                                        |                       |              | Field ID          | BH05 3.5-4.0                   | QC01     | RPD | BH07 3.0-4.0 | QC02     | RPD | BH12 6.5-7.0 | QC03     | RPD | BH05 3.5-4.0 | QC01A      | RPD  | BH07 3.0-4.0 | QC02A      | RPD  | BH12 6.5-7.0 | QC03A      | RPD |
|                                        |                       |              | Sampled Date/Time | 06-12-15                       | 06-12-15 |     | 06-12-15     | 06-12-15 |     | 06-12-15     | 06-12-15 |     | 06-12-15     | 06-12-15   |      | 06-12-15     | 06-12-15   |      | 06-12-15     | 06-12-15   |     |
| Polycyclic                             |                       | PAHs (Total) | mg/kg             | 0.5                            |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   | <0.5         |            |      | <0.5         |            |      | <0.5         |            |     |
| Polycyclic                             | Aromatic Hydrocarbons |              |                   |                                |          |     |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Monocyclic                             | Monocyclic            | 1,2,4-trime  | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Monocyclic                             |                       | 1,3,5-trime  | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Monocyclic                             |                       | Bromobenz    | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Monocyclic                             |                       | Isopropylben | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Monocyclic                             |                       | Styrene      | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Monocyclic                             | Aromatic Hydrocarbons |              |                   |                                |          |     |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Miscellaneous                          | Miscellaneous         | 1,2-dibrom   | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Miscellaneous                          |                       | 2-Butanone   | mg/kg             | 0.5                            |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       |      |              | <0.5       |      |              |            |     |
| Miscellaneous                          |                       | 4-Methyl-2   | mg/kg             | 0.5                            |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       |      |              | <0.5       |      |              |            |     |
| Miscellaneous                          |                       | Bromoform    | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Miscellaneous                          |                       | Bromomet     | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Miscellaneous                          |                       | Dibromom     | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Miscellaneous                          |                       | Iodometha    | mg/kg             | 0.5                            |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       |      |              | <0.5       |      |              |            |     |
| Miscellaneous Hydrocarbons             |                       |              |                   |                                |          |     |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Chlorinated                            | Chlorinated           | Chlorobenz   | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                            |                       | 1,2-Dichlor  | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                            |                       | 1,3-dichlor  | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                            |                       | 1,4-dichlor  | mg/kg             | 0.5 (Primary): 1 (Interlab)    |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <1.0 | 0            | <0.5       | <1.0 | 0            |            |     |
| Chlorinated                            |                       | Hexachlor    | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Chlorinated Benzenes                   |                       |              |                   |                                |          |     |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Polychlorinated                        | Polychlorinated       | Aroclor 101  | mg/kg             | 0.5 (Primary): 0.1 (Interlab)  |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <0.1 | 0            | <0.5       | <0.1 | 0            |            |     |
| Polychlorinated                        |                       | Aroclor 123  | mg/kg             | 0.5 (Primary): 0.1 (Interlab)  |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <0.1 | 0            | <0.5       | <0.1 | 0            |            |     |
| Polychlorinated                        |                       | Aroclor 124  | mg/kg             | 0.5 (Primary): 0.1 (Interlab)  |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <0.1 | 0            | <0.5       | <0.1 | 0            |            |     |
| Polychlorinated                        |                       | Aroclor 124  | mg/kg             | 0.5 (Primary): 0.1 (Interlab)  |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <0.1 | 0            | <0.5       | <0.1 | 0            |            |     |
| Polychlorinated                        |                       | Aroclor 124  | mg/kg             | 0.5 (Primary): 0.1 (Interlab)  |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <0.1 | 0            | <0.5       | <0.1 | 0            |            |     |
| Polychlorinated                        |                       | Aroclor 124  | mg/kg             | 0.5 (Primary): 0.1 (Interlab)  |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       | <0.1 | 0            | <0.5       | <0.1 | 0            |            |     |
| Polychlorinated                        |                       | PCBs (Total) | mg/kg             | 0.5                            |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       |      |              | <0.5       |      |              |            |     |
| Polychlorinated Biphenyls              |                       |              |                   |                                |          |     |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Organic Sulfur                         | Organic Sulfur        | Carbon dis   | mg/kg             | 0.5                            |          |     | <0.5         | <0.5     | 0   | <0.5         | <0.5     | 0   |              | <0.5       |      |              | <0.5       |      |              |            |     |
| Organic Sulfur Compounds               |                       |              |                   |                                |          |     |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Organochlorine                         | Organochlorine        | Aldrin       | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Dieldrin     | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | DDD          | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | 4,4-DDE      | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | DDT          | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | alpha-BHC    | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | beta-BHC     | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | delta-BHC    | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Chlordane    | mg/kg             | 0.1                            |          |     | <0.1         | <0.1     | 0   | <0.1         | <0.1     | 0   |              | <0.1       |      |              | <0.1       |      |              |            |     |
| Organochlorine                         |                       | Endosulfar   | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Endosulfar   | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Endosulfar   | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Endrin       | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Endrin alde  | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Endrin ket   | mg/kg             | 0.05                           |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      |      |              | <0.05      |      |              |            |     |
| Organochlorine                         |                       | Heptachlor   | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Heptachlor   | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Lindane      | mg/kg             | 0.05 (Primary): 0.1 (Interlab) |          |     | <0.05        | <0.05    | 0   | <0.05        | <0.05    | 0   |              | <0.05      | <0.1 | 0            | <0.05      | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Methoxych    | mg/kg             | 0.2 (Primary): 0.1 (Interlab)  |          |     | <0.2         | <0.2     | 0   | <0.2         | <0.2     | 0   |              | <0.2       | <0.1 | 0            | <0.2       | <0.1 | 0            |            |     |
| Organochlorine                         |                       | Toxaphene    | mg/kg             | 1                              |          |     | <1.0         | <1.0     | 0   | <1.0         | <1.0     | 0   |              | <1.0       |      |              | <1.0       |      |              |            |     |
| Organochlorine Pesticides              |                       |              |                   |                                |          |     |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Asbestos                               | Asbestos              | Approx. Sa   | G                 |                                |          |     | 55.0         | 24.0     | 78  | 37.0         | 24.0     | 43  |              |            |      | 55.0         |            |      | 37.0         |            |     |
| Asbestos                               |                       | Mass ACM     | G                 |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos                               |                       | Asbestos f   | %w/w              |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos                               |                       | Mass Asbe    | G                 |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos                               |                       | Mass FA      | G                 |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos                               |                       | Mass Asbe    | G                 |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos                               |                       | Mass AF      | G                 |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos                               |                       | Mass Asbe    | G                 |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos                               |                       | Asbestos f   | %w/w              |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos                               |                       | Mass Asbe    | G                 |                                |          |     | 0.0          | 0.0      | 0   | 0.0          | 0.0      | 0   |              |            |      | 0.0          |            |      | 0.0          |            |     |
| Asbestos -                             | Asbestos -            | ACM - Con    | COMMENT           |                                |          |     | 1.0          | 1.0      | 0   | 1.0          | 1.0      | 0   |              |            |      | 1.0          |            |      | 1.0          |            |     |
| Asbestos -                             |                       | AF - Comm    | COMMENT           |                                |          |     | 1.0          | 1.0      | 0   | 1.0          | 1.0      | 0   |              |            |      | 1.0          |            |      | 1.0          |            |     |
| Asbestos -                             |                       | FA - Comm    | COMMENT           |                                |          |     | 1.0          | 1.0      | 0   | 1.0          | 1.0      | 0   |              |            |      | 1.0          |            |      | 1.0          |            |     |
| Asbestos -                             |                       | Organic Fil  | COMMENT           |                                |          |     | 1.0          | 1.0      | 0   | 1.0          | 1.0      | 0   |              |            |      | 1.0          |            |      | 1.0          |            |     |
| Asbestos -                             |                       | Respirable   | COMMENT           |                                |          |     | 1.0          | 1.0      | 0   | 1.0          | 1.0      | 0   |              |            |      | 1.0          |            |      | 1.0          |            |     |
| Asbestos - Trace Analysis              |                       |              |                   |                                |          |     |              |          |     |              |          |     |              |            |      |              |            |      |              |            |     |
| Other                                  | Other                 | % Moisture   | %                 | 0.1                            |          |     | 18.0         | 14.0     | 25  | 14.0         | 12       |     |              |            |      |              |            |      |              |            |     |

\*RPDs have only been considered where a concentration is greater than 1 times the EQL.  
\*\*High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 80 (1-10 x EQL); 50 (10-30 x EQL); 30 (> 30 x EQL) )  
\*\*\*Interlab Duplicates are matched on



ESDAT QA Checker  
Project:Burrow Pit ATP  
Filter: ALL

#### Overview Summary

[Count of Samples](#)

[Count of Results](#)

#### Holding Times

Holding Time Errors (0)

#### Blanks

[Field Blanks](#)

Detects in Lab Blanks (0)

SDG's without Storage Blanks (0)

SDG's without Method Blanks (0)

#### Duplicates

[Field and Interlab Duplicates](#)

Lab Duplicates with high RPDs (0)

Duplicate Samples with incorrect or missing Parent Samples (0)

Samples at the same Location/Depth/Time not specified as duplicates (0)

#### Surrogates

[Surrogate Variation > 30% or outside lab LCL or UCL \(10\)](#)

#### Lab Control Samples

SDG's without a Laboratory Control Sample (0)

Laboratory Control Samples, Error > 30% (0)

#### Certified and Standard Reference Materials

Certified Reference Materials - Error > 30% (0)

#### Matrix Spikes

SDG's without a Matrix Spike (0)

Trip Spikes with invalid Control Sample (0)

[Less than 1 matrix spike in 20 samples, or less than 1 matrix duplicate in 20 samples \(2\)](#)

Matrix Spike Recoveries less than 70% or greater than 130% or outside lab LCL or UCL (0)

[Trip Spike Recoveries \(70% - 130% is acceptable\) \(6\)](#)

[Contents](#)

Surrogate Variation > 30% or outside lab LCL or UCL

| SDG    | Expr1001 | Lab_Report_Number | Sample_Type | Matrix_Type | SampleCode  | Field_ID       | Depth       | Sampled_Date-Time | Compound                 | Recovery % |
|--------|----------|-------------------|-------------|-------------|-------------|----------------|-------------|-------------------|--------------------------|------------|
| 482410 | 482410   | 482410            | Normal      | SOIL        | S15-De06706 | BH01 0.0-1.0   | BH01        | 06-12-15          | 2-Fluorobiphenyl (surr.) | 69         |
| 482410 | 482410   | 482410            | Normal      | SOIL        | S15-De06709 | BH03 0.0-1.0   | BH03        | 06-12-15          | p-Terphenyl-d14 (surr.)  | 134        |
| 482410 | 482410   | 482410            | Normal      | SOIL        | S15-De06713 | BH05 0.0-0.1   | BH05        | 06-12-15          | p-Terphenyl-d14 (surr.)  | 135        |
| 482410 | 482410   | 482410            | Normal      | SOIL        | S15-De06718 | BH08 1.0-2.0   | BH08        | 06-12-15          | p-Terphenyl-d14 (surr.)  | 132        |
| 482410 | 482410   | 482410            | Normal      | SOIL        | S15-De06720 | BH09 1.0-2.0   | BH09        | 06-12-15          | 2-Fluorobiphenyl (surr.) | 65         |
| 482410 | 482410   | 482410            | Normal      | SOIL        | S15-De06738 | BH17 2.0-3.0   | BH17        | 06-12-15          | 2-Fluorobiphenyl (surr.) | 69         |
| 482927 | 482927   | 482927            | Normal      | SOIL        | S15-De10571 | BULK 1_1.0-2.0 | BULK 11 - 2 | 06-12-15          | 2-Fluorobiphenyl (surr.) | 50         |
| 482927 | 482927   | 482927            | Normal      | SOIL        | S15-De10571 | BULK 1_1.0-2.0 | BULK 11 - 2 | 06-12-15          | p-Terphenyl-d14 (surr.)  | 56         |
| 482927 | 482927   | 482927            | Normal      | SOIL        | S15-De10572 | BULK 2_0-1.0   | BULK 20 - 1 | 06-12-15          | 2-Fluorobiphenyl (surr.) | 51         |
| 482927 | 482927   | 482927            | Normal      | SOIL        | S15-De10572 | BULK 2_0-1.0   | BULK 20 - 1 | 06-12-15          | p-Terphenyl-d14 (surr.)  | 58         |

## **Attachment 5 - Laboratory Certificates of Analysis**



**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 50720

**Order No.:**  
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**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 7, 2015 4:42 PM  
**Due:** Dec 14, 2015  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |        |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|---------------|--------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |        |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |               |        |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix | LAB ID      |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH01 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06582 | X                          |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06583 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH02 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06584 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH03 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06585 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06586 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH04 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06587 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH04 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06588 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| BH04 2.0-4.0                                    | Dec 06, 2015 |               | Soil   | S15-De06589 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH04 5.0-5.5                                    | Dec 06, 2015 |               | Soil   | S15-De06590 |                            |      |                          |                      | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |

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Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |      |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polycyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|----------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                  |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                                | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 | X                 | X            | X            | X            |                          |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH04 5.5-6.0                                    | Dec 06, 2015 |  | Soil | S15-De06591 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   | X            |              | X            |                          | X                              |
| BH05 0.0-0.1                                    | Dec 06, 2015 |  | Soil | S15-De06592 | X                          |      | X                        | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH05 1.0-2.1                                    | Dec 06, 2015 |  | Soil | S15-De06593 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH05 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06594 |                            | X    |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH06 0.0-0.5                                    | Dec 06, 2015 |  | Soil | S15-De06595 | X                          |      |                          | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH07 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06596 | X                          |      | X                        | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH07 1.0-1.5                                    | Dec 06, 2015 |  | Soil | S15-De06597 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   | X            |              | X            |                          | X                              |
| BH07 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06598 |                            |      |                          |                      |                                  |                           |                           |           |      |                                 | X                 | X            |              |              |                          |                                |
| BH08 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06599 | X                          |      |                          | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH08 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06600 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |      |             | Asbestos Absence /Presence | HOLD | pH (1.5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH08 2.5-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06601 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH09 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06602 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH09 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06603 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH09 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06604 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH09 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06605 |                            |      | X                        |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            | X                        | X                              |
| BH09 6.0-6.5                                    | Dec 06, 2015 |  | Soil | S15-De06606 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| BH09 8.0                                        | Dec 06, 2015 |  | Soil | S15-De06607 |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            |              |                          |                                |
| BH10 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06608 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH12 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06609 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH12 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06610 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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| Sample Detail                                   |              |  |      |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polycyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|----------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                  |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                                | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 | X                 | X            | X            | X            |                          |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH12 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06611 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH12 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06612 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH12 4.0-5.0                                    | Dec 06, 2015 |  | Soil | S15-De06613 |                            |      | X                        |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            | X                        | X                              |
| BH12 5.0-6.0                                    | Dec 06, 2015 |  | Soil | S15-De06614 |                            | X    |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH13 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06615 | X                          |      | X                        | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH13 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06616 | X                          |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH13 3.0-3.5                                    | Dec 06, 2015 |  | Soil | S15-De06617 |                            | X    |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH14 0.3-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06618 | X                          |      |                          | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH15 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06619 |                            |      |                          |                      | X                                | X                         |                           | X         |      | X                               |                   |              |              | X            |                          | X                              |
| BH15 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06620 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |



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### Sample Detail

| Sample Detail                                   |              |  |      |             |   | Total Recoverable Hydrocarbons   |
|-------------------------------------------------|--------------|--|------|-------------|---|----------------------------------|
|                                                 |              |  |      |             |   | Cation Exchange Capacity         |
|                                                 |              |  |      |             |   | Moisture Set                     |
|                                                 |              |  |      |             |   | Moisture Set                     |
|                                                 |              |  |      |             |   | SPOCAS Suite                     |
|                                                 |              |  |      |             |   | Volatile Organics                |
|                                                 |              |  |      |             |   | Polychlorinated Biphenyls (PCB)  |
|                                                 |              |  |      |             |   | BTEX                             |
|                                                 |              |  |      |             |   | Metals M8                        |
|                                                 |              |  |      |             |   | Polychlorinated Biphenyls        |
|                                                 |              |  |      |             |   | Organochlorine Pesticides        |
|                                                 |              |  |      |             |   | Polycyclic Aromatic Hydrocarbons |
|                                                 |              |  |      |             |   | Total Organic Carbon             |
| pH (1:5 Aqueous extract)                        |              |  |      |             |   | HOLD                             |
| Asbestos Absence /Presence                      |              |  |      |             |   |                                  |
| Laboratory where analysis is conducted          |              |  |      |             |   |                                  |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |   | X                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             |   | X                                |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |   |                                  |
| External Laboratory                             |              |  |      |             |   |                                  |
| BH15 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06621 |   | X                                |
| BH15 3.0-3.6                                    | Dec 06, 2015 |  | Soil | S15-De06622 | X |                                  |
| BH16 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06623 | X | X                                |
| BH16 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06624 |   | X                                |
| BH16 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06625 |   | X                                |
| BH16 4.0-4.5                                    | Dec 06, 2015 |  | Soil | S15-De06626 | X | X                                |
| BH17 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06627 | X | X                                |
| BH17 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06628 |   | X                                |
| BH17 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06629 |   | X                                |
| BH17 4.0                                        | Dec 06, 2015 |  | Soil | S15-De06630 | X |                                  |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 482392  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 7, 2015 4:42 PM  
**Due:** Dec 14, 2015  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |      |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH17 6.0                                        | Dec 06, 2015 |  | Soil | S15-De06631 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH18 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06632 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH18 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06633 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH18 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06634 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH18 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06635 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH18 6.0                                        | Dec 06, 2015 |  | Soil | S15-De06636 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH05 3.5-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06637 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH07 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06638 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH12 6.5-7.0                                    | Dec 06, 2015 |  | Soil | S15-De06639 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| QC01                                            | Dec 06, 2015 |  | Soil | S15-De06640 | X                          |      |                          | X                    | X                               | X                         | X                         | X         |      |                                 | X                 |              |              | X            |                          | X                              |

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**Received:** Dec 7, 2015 4:42 PM  
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**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |       |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polycyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|-------|-------------|----------------------------|------|--------------------------|----------------------|----------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |       |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |       |             |                            |      |                          | X                    |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |       |             | X                          | X    | X                        |                      | X                                | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |       |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |       |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| QC02                                            | Dec 06, 2015 |  | Soil  | S15-De06641 | X                          |      |                          | X                    | X                                | X                         | X                         | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| QC03                                            | Dec 06, 2015 |  | Soil  | S15-De06642 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| RINSATE                                         | Dec 06, 2015 |  | Water | S15-De06643 |                            |      |                          |                      | X                                | X                         |                           | X         |      | X                               | X                 |              |              |              |                          | X                              |
| TS                                              | Dec 06, 2015 |  | Water | S15-De06644 |                            |      |                          |                      |                                  |                           |                           |           | X    |                                 |                   |              |              |              |                          |                                |
| SB                                              | Dec 06, 2015 |  | Water | S15-De06645 |                            |      |                          |                      |                                  |                           |                           |           | X    |                                 |                   |              |              |              |                          |                                |

## Sample Receipt Advice

Company name: **JBS & G Australia (NSW & WA) P/L**  
Contact name: **Nathan Cussen**  
Project name: **ATP**  
Project ID: **50720**  
COC number: **Not provided**  
Turn around time: **5 Day**  
Date/Time received: **Dec 7, 2015 4:42 PM**  
Eurofins | mgt reference: **482392**

### Sample information

- ☒ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
  - ☒ Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt Sample Receipt : 1.6 degrees Celsius.
  - ☒ All samples have been received as described on the above COC.
  - ☒ COC has been completed correctly.
  - ☒ Attempt to chill was evident.
  - ☒ Appropriately preserved sample containers have been used.
  - ☒ All samples were received in good condition.
  - ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
  - ☒ Appropriate sample containers have been used.
  - ☒ Sample containers for volatile analysis received with zero headspace.
  - ☒ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

### Contact notes

If you have any questions with respect to these samples please contact:

Charl Du Preez on Phone : +61 (2) 9900 8400 or by e.mail: charldupreez@eurofins.com.au

Results will be delivered electronically via e.mail to Nathan Cussen - ncussen@jbsg.com.au.



09006

## CHAIN OF CUSTODY

Page 1 of 4



| PROJECT NO.: <b>50720</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |         |      |                     | LABORATORY BATCH NO.:    |              |     |     |      |                                           |         |     |    |     |                                                           |                           |         |        |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |   |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |   |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |   |  |  |  |  |              |  |  |   |          |  |   |   |   |  |  |  |  |  |  |   |  |  |  |              |  |  |   |                |  |  |  |  |  |  |  |  |  |  |   |  |  |  |            |  |  |   |  |  |   |   |   |   |   |  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| PROJECT NAME: <b>ATP</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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      |      |                     | SAMPLERS: <b>2H / 00</b> |              |     |     |      |                                           |         |     |    |     |                                                           |                           |         |        |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   | 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| DATE NEEDED BY: <b>STD</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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      |      |                     | QC LEVEL: NEPM (2013)    |              |     |     |      |                                           |         |     |    |     |                                                           |                           |         |        |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   | 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| PHONE: Sydney: 02 8245 0300   Perth: 08 9488 0100   Brisbane: 07 3112 2688                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) <b>neilson</b> @jbsg.com.au; (3) .....@jbsg.com.au                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| <table border="1"> <thead> <tr> <th rowspan="2">SAMPLE ID</th> <th rowspan="2">MATRIX</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> <th rowspan="2">TYPE &amp; PRESERVATIVE</th> <th rowspan="2">pH</th> <th rowspan="2">Heavy Metals</th> <th rowspan="2">TRH</th> <th rowspan="2">AHH</th> <th rowspan="2">VOCs</th> <th rowspan="2">Asbestos</th> <th rowspan="2">EC/PAHs</th> <th rowspan="2">TOC</th> <th rowspan="2">PH</th> <th rowspan="2">CEC</th> <th rowspan="2">SPECAS</th> <th colspan="2">TYPE OF ASBESTOS ANALYSIS</th> <th rowspan="2">NOTES:</th> </tr> <tr> <th>IDENTIFICATION</th> <th>NEPM/WA</th> </tr> </thead> <tbody> <tr> <td>BH01 0-1.0</td> <td>Soil</td> <td>6.12.15</td> <td>F</td> <td>Jar + 1c</td> <td></td> <td>x</td> <td>x</td> <td>x</td> <td></td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td rowspan="16"> <b>482392</b><br/><br/>           * 40g preserved<br/>           If no bag please<br/>           sub-sample from<br/>           the jar         </td> </tr> <tr> <td>BH01 1.0-2.0</td> <td></td> <td></td> <td>F</td> <td></td> <td></td> <td>x</td> <td>x</td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>BH02 0-1.0</td> <td></td> <td></td> <td>F</td> <td></td> <td></td> <td>x</td> <td>x</td> <td>x</td> <td>x</td> <td>x</td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>BH03 0-1.0</td> <td></td> <td></td> <td>F</td> <td></td> <td></td> <td>x</td> <td>x</td> <td>x</td> <td>x</td> <td>x</td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>BH03 1.0-2.0</td> <td></td> <td></td> <td>F</td> <td></td> <td></td> <td>x</td> <td>x</td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>BH04 0-1.0</td> <td></td> <td></td> <td>F</td> <td></td> <td></td> <td>x</td> 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</table> |        |         |      |                     |                          |              |     |     |      |                                           |         |     |    |     |                                                           |                           |         |        |                                                                                        | SAMPLE ID | MATRIX | DATE | TIME | TYPE & PRESERVATIVE | pH | Heavy Metals | TRH | AHH | VOCs | Asbestos | EC/PAHs | TOC | PH | CEC | SPECAS | TYPE OF ASBESTOS ANALYSIS |  | NOTES: | IDENTIFICATION | NEPM/WA | BH01 0-1.0 | Soil | 6.12.15 | F | Jar + 1c |  | x | x | x |  | x |  |  |  |  |  |  |  |  | <b>482392</b><br><br>* 40g preserved<br>If no bag please<br>sub-sample from<br>the jar | BH01 1.0-2.0 |  |  | F |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  | BH02 0-1.0 |  |  | F |  |  | x | x | x | x | x | x |  |  |  |  |  |  |  | BH03 0-1.0 |  |  | F |  |  | x | x | x | x | x | x |  |  |  |  |  |  |  | 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|  | x | x | x | x | x | x |  |  |  |  |  |  |  | BH08 1.0-2.0 |  |  | F |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |
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DATE    | TIME | TYPE & PRESERVATIVE | pH                       | Heavy Metals | TRH | AHH | VOCs | Asbestos                                  | EC/PAHs | TOC | PH | CEC | SPECAS                                                    | TYPE OF ASBESTOS ANALYSIS |         | NOTES: |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   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 |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |
| BH04 2.0-4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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 |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |
| BH04 5.0-5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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 |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |
| BH04 5.5-6.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| BH05 0-0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| BH05 1.0-2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| BH05 2.0-3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| BH06 0-0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| BH07 0-1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| BH07 1.0-1.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| BH07 2.0-3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| BH08 0-1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| BH08 1.0-2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| RELINQUISHED BY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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      |      |                     | METHOD OF SHIPMENT:      |              |     |     |      | RECEIVED BY:                              |         |     |    |     | FOR RECEIVING LAB USE ONLY:                               |                           |         |        |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   | 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| NAME: <b>Nathan</b> DATE: <b>7.12.15</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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      |      |                     | CONSIGNMENT NOTE NO.     |              |     |     |      | NAME: <b>Samuel</b> DATE: <b>07/12/15</b> |         |     |    |     | COOLER SEAL - Yes..... No ..... Intact ..... Broken ..... |                           |         |        |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |   |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |   |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |   |  |  |  |  |              |  |  |   |          |  |   |   |   |  |  |  |  |  |  |   |  |  |  |              |  |  |   |                |  |  |  |  |  |  |  |  |  |  |   |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |
| OF: JBS&G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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      |      |                     | TRANSPORT CO.            |              |     |     |      | OF: <b>EFM</b>                            |         |     |    |     | COOLER TEMP ..... deg C                                   |                           |         |        |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   | 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| NAME:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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      |      |                     | CONSIGNMENT NOTE NO.     |              |     |     |      | NAME:                                     |         |     |    |     | COOLER SEAL - Yes..... No ..... Intact ..... Broken ..... |                           |         |        |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |   |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |   |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |   |  |  |  |  |              |  |  |   |          |  |   |   |   |  |  |  |  |  |  |   |  |  |  |              |  |  |   |                |  |  |  |  |  |  |  |  |  |  |   |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |
| DATE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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      |      |                     | TRANSPORT CO.            |              |     |     |      | DATE:                                     |         |     |    |     | COOLER TEMP ..... deg C                                   |                           |         |        |                                                                                        |           |        |      |      |                     |    |              |     |     |      |          |         |     |    |     |        |                           |  |        |                |         |            |      |         |   |          |  |   |   |   |  |   |  |  |  |  |  |  |  |  |                                                                                        |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |   |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |   |  |  |  |  |              |  |  |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |  |  |  |  |  |            |  |  |   |  |  |   |   |   |   |   |   |  |  |   |  |  |  |  |              |  |  |   |          |  |   |   |   |  |  |  |  |  |  |   |  |  |  |              |  |  |   |                |  |  |  |  |  |  |  |  |  |  |   |  |  |  |            |  |  |   |  |  |   |   |   |   |   |  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Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

09007

## CHAIN OF CUSTODY

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|                                                                                                            |  |  |  |  |                                 |  |         |  |      |                            |                     |  |    |  |                                                           |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
|------------------------------------------------------------------------------------------------------------|--|--|--|--|---------------------------------|--|---------|--|------|----------------------------|---------------------|--|----|--|-----------------------------------------------------------|--|-----|--|-----|-----------------------------------------------------------|------|--|-----------|--|---------|--|-----|--|----|--|-----|--|-------|--|---------------------------|--|------------------|--|-----------------|--|--------|--|
| PROJECT NO.: 50720                                                                                         |  |  |  |  | LABORATORY BATCH NO. [REDACTED] |  |         |  |      |                            |                     |  |    |  |                                                           |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| PROJECT NAME: MTP                                                                                          |  |  |  |  | SAMPLERS: RH / DO               |  |         |  |      |                            |                     |  |    |  |                                                           |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| DATE NEEDED BY: STD                                                                                        |  |  |  |  | QC LEVEL: NEPM (2013)           |  |         |  |      |                            |                     |  |    |  |                                                           |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| PHONE: Sydney: 02 8245 0300   Perth: 08 9488 0100   Brisbane: 07 3112 2688                                 |  |  |  |  |                                 |  |         |  |      |                            |                     |  |    |  |                                                           |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) [REDACTED]@jbsg.com.au; (3) [REDACTED]@jbsg.com.au |  |  |  |  |                                 |  |         |  |      |                            |                     |  |    |  |                                                           |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:                                                         |  |  |  |  |                                 |  |         |  |      |                            |                     |  |    |  |                                                           |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| SAMPLE ID                                                                                                  |  |  |  |  | MATRIX                          |  | DATE    |  | TIME |                            | TYPE & PRESERVATIVE |  | pH |  | g matrix                                                  |  | TAN |  | ADN |                                                           | VOCs |  | Asbestos* |  | OCF/PCO |  | TOC |  | pH |  | CEL |  | SACAS |  | TYPE OF ASBESTOS ANALYSIS |  | IDENTIFICATION   |  | NEPM/NA         |  | NOTES: |  |
| BH08 2.5-3.0                                                                                               |  |  |  |  | Soil                            |  | 6-12-15 |  | N    |                            | Bag + Jar           |  |    |  |                                                           |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| BH09 0-1.0                                                                                                 |  |  |  |  |                                 |  |         |  | P    |                            |                     |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  | X                |  | * 40g preserved |  |        |  |
| BH09 1.0-2.0                                                                                               |  |  |  |  |                                 |  |         |  | P    |                            |                     |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  | If no bag please |  |                 |  |        |  |
| BH09 2.0-3.0                                                                                               |  |  |  |  |                                 |  |         |  | P    |                            | Bag + Jar           |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  | 2 bags per jar   |  |                 |  |        |  |
| BH09 3.0-4.0                                                                                               |  |  |  |  |                                 |  |         |  | N    |                            | Bag + Jar           |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH09 6.0-6.5                                                                                               |  |  |  |  |                                 |  |         |  | N    |                            | Bag + Jar           |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH09 8.0                                                                                                   |  |  |  |  |                                 |  |         |  | N    |                            | Bag + Jar           |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH10 0-1.0                                                                                                 |  |  |  |  |                                 |  |         |  | P    |                            | Jar                 |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH12 0-1.0                                                                                                 |  |  |  |  |                                 |  |         |  | P    |                            | Jar                 |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH12 1.0-2.0                                                                                               |  |  |  |  |                                 |  |         |  | P    |                            | Jar + Bag           |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH12 2.0-3.0                                                                                               |  |  |  |  |                                 |  |         |  | P    |                            |                     |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH12 3.0-4.0                                                                                               |  |  |  |  |                                 |  |         |  | P    |                            |                     |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH12 4.0-5.0                                                                                               |  |  |  |  |                                 |  |         |  | P    |                            |                     |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH12 5.0-6.0                                                                                               |  |  |  |  |                                 |  |         |  | N    |                            |                     |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH13 0-1.0                                                                                                 |  |  |  |  |                                 |  |         |  | P    |                            | Jar                 |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH13 1.0-2.0                                                                                               |  |  |  |  |                                 |  |         |  | P    |                            | Jar                 |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH13 3.0-3.5                                                                                               |  |  |  |  |                                 |  |         |  | N    |                            | Jar + Bag           |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH14 0.3-1.0                                                                                               |  |  |  |  |                                 |  |         |  | N    |                            | Jar                 |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| BH15 0-1.0                                                                                                 |  |  |  |  |                                 |  |         |  | P    |                            | Jar                 |  |    |  | X                                                         |  | X   |  | X   |                                                           | X    |  | X         |  | X       |  | X   |  | X  |  | X   |  | X     |  | X                         |  |                  |  |                 |  |        |  |
| RELINQUISHED BY:                                                                                           |  |  |  |  | METHOD OF SHIPMENT:             |  |         |  |      | RECEIVED BY:               |                     |  |    |  | FOR RECEIVING LAB USE ONLY:                               |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| NAME: Nathan DATE: 12-15                                                                                   |  |  |  |  | CONSIGNMENT NOTE NO.            |  |         |  |      | NAME: SS DATE: [Signature] |                     |  |    |  | COOLER SEAL - Yes..... No ..... Intact ..... Broken ..... |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| OF: JBS&G                                                                                                  |  |  |  |  | TRANSPORT CO.                   |  |         |  |      | OF:                        |                     |  |    |  | COOLER TEMP ..... deg C                                   |  |     |  |     |                                                           |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| NAME:                                                                                                      |  |  |  |  | CONSIGNMENT NOTE NO.            |  |         |  |      | NAME:                      |                     |  |    |  | DATE:                                                     |  |     |  |     | COOLER SEAL - Yes..... No ..... Intact ..... Broken ..... |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |
| OF:                                                                                                        |  |  |  |  | TRANSPORT CO.                   |  |         |  |      | OF:                        |                     |  |    |  | DATE:                                                     |  |     |  |     | COOLER TEMP ..... deg C                                   |      |  |           |  |         |  |     |  |    |  |     |  |       |  |                           |  |                  |  |                 |  |        |  |

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

IMSO Forms013 - Chain of Custody - Generic

09008

## CHAIN OF CUSTODY

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| PROJECT NO.: 50720                                                                            |        |         |      |                      |    | LABORATORY BATCH NO.: |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
|-----------------------------------------------------------------------------------------------|--------|---------|------|----------------------|----|-----------------------|----|--------------|------|----------|----------|-----------------------------------------------------------|----|-----|--|--|--|--|--|---------------------------|------------------|
| PROJECT NAME: ATP                                                                             |        |         |      |                      |    | SAMPLERS: R1 / 00     |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| DATE NEEDED BY: STD                                                                           |        |         |      |                      |    | QC LEVEL: NEPM (2013) |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| PHONE: Sydney: 02 8245 0300   Perth: 08 9488 0100   Brisbane: 07 3112 2688                    |        |         |      |                      |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ncussen@jbsg.com.au; (3) @jbsg.com.au |        |         |      |                      |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:                                            |        |         |      |                      |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| SAMPLE ID                                                                                     | MATRIX | DATE    | TIME | TYPE & PRESERVATIVE  | pH | Metals                | TC | PAH          | VOCs | Asbestos | OCF/PCBs | TOC                                                       | PH | CEL |  |  |  |  |  | TYPE OF ASBESTOS ANALYSIS | NOTES:           |
| BH15 1.0-2.0                                                                                  | Soil   | 6.12.15 | P    | Jar                  |    | X                     | X  | X            |      |          |          |                                                           |    |     |  |  |  |  |  |                           | x bag preme.     |
| BH15 2.0-3.0                                                                                  |        |         | P    | Jar + Bag            |    | X                     | X  | X            |      |          |          |                                                           |    |     |  |  |  |  |  |                           | If no bag please |
| BH15 3.0-3.6                                                                                  |        |         | Z    | Jar + Bag            |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           | change from      |
| BH16 0-1.0                                                                                    |        |         | P    | Jar                  |    | X                     | X  | X            | X    | X        | X        |                                                           |    |     |  |  |  |  |  |                           | the jar          |
| BH16 1.0-2.0                                                                                  |        |         | P    | Jar                  |    | X                     | X  | X            |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH16 2.0-3.0                                                                                  |        |         | P    | Jar                  |    | X                     | X  | X            |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH16 4.0-4.5                                                                                  |        |         | Z    | Jar + Bag            |    |                       |    |              |      |          |          |                                                           | X  | X   |  |  |  |  |  |                           |                  |
| BH17 0-1.0                                                                                    |        |         | P    | Jar                  |    | X                     | X  | X            | X    | X        | X        |                                                           | X  | X   |  |  |  |  |  |                           |                  |
| BH17 1.0-2.0                                                                                  |        |         | P    | Jar                  |    | X                     | X  | X            |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH17 2.0-3.0                                                                                  |        |         | P    | Jar                  |    | X                     | X  | X            |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH17 4.0                                                                                      |        |         | Z    | Jar + Bag            |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH17 6.0                                                                                      |        |         | Z    | Jar + Bag            |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH18 0-1.0                                                                                    |        |         | P    | Jar                  |    | X                     | X  | X            | X    | X        | X        |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH18 1.0-2.0                                                                                  |        |         | P    | Jar + Bag            |    | X                     | X  | X            |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH18 2.0-3.0                                                                                  |        |         | P    | Jar + Bag            |    | X                     | X  | X            |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH18 3.0-4.0                                                                                  |        |         | Z    | Jar + Bag            |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH18 6.0                                                                                      |        |         | Z    | Jar + Bag            |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH05 3.5-4.0                                                                                  |        |         | Z    | Jar                  |    | X                     | X  | X            | X    | X        | X        |                                                           |    |     |  |  |  |  |  |                           |                  |
| BH07 3.0-4.0                                                                                  |        |         | Z    | Jar                  |    | X                     | X  | X            | X    | X        | X        |                                                           |    |     |  |  |  |  |  |                           |                  |
| RELINQUISHED BY:                                                                              |        |         |      | METHOD OF SHIPMENT:  |    |                       |    | RECEIVED BY: |      |          |          | FOR RECEIVING LAB USE ONLY:                               |    |     |  |  |  |  |  |                           |                  |
| NAME: ncussen DATE: 7.12.15                                                                   |        |         |      | CONSIGNMENT NOTE NO. |    |                       |    | NAME: SS     |      |          |          | COOLER SEAL - Yes..... No ..... Intact ..... Broken ..... |    |     |  |  |  |  |  |                           |                  |
| OF: JBS&G                                                                                     |        |         |      | TRANSPORT CO.        |    |                       |    | DATE:        |      |          |          | COOLER TEMP ..... deg C                                   |    |     |  |  |  |  |  |                           |                  |
| NAME:                                                                                         |        |         |      | CONSIGNMENT NOTE NO. |    |                       |    | NAME:        |      |          |          | COOLER SEAL - Yes..... No ..... Intact ..... Broken ..... |    |     |  |  |  |  |  |                           |                  |
| DATE:                                                                                         |        |         |      | TRANSPORT CO.        |    |                       |    | DATE:        |      |          |          | COOLER TEMP ..... deg C                                   |    |     |  |  |  |  |  |                           |                  |
| OF:                                                                                           |        |         |      |                      |    |                       |    |              |      |          |          |                                                           |    |     |  |  |  |  |  |                           |                  |

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

09009

## CHAIN OF CUSTODY

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[illegible]



# Certificate of Analysis

**JBS & G Australia (NSW & WA) P/L**  
**Level 1, 50 Margaret St**  
**Sydney**  
**NSW 2000**



**NATA Accredited**  
**Accreditation Number 1261**  
**Site Number 1254**

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.

**Attention:** **Nathan Cussen**

**Report** **482392-W**  
Project name ATP  
Project ID 50720  
Received Date Dec 07, 2015

| Client Sample ID                                            |       |      | RINSATE      | TS           | SB           |
|-------------------------------------------------------------|-------|------|--------------|--------------|--------------|
| Sample Matrix                                               |       |      | Water        | Water        | Water        |
| Eurofins   mgt Sample No.                                   |       |      | S15-De06643  | S15-De06644  | S15-De06645  |
| Date Sampled                                                |       |      | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                              | LOR   | Unit |              |              |              |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |       |      |              |              |              |
| TRH C6-C9                                                   | 0.02  | mg/L | < 0.02       | -            | -            |
| TRH C10-C14                                                 | 0.05  | mg/L | < 0.05       | -            | -            |
| TRH C15-C28                                                 | 0.1   | mg/L | < 0.1        | -            | -            |
| TRH C29-C36                                                 | 0.1   | mg/L | < 0.1        | -            | -            |
| TRH C10-36 (Total)                                          | 0.1   | mg/L | < 0.1        | -            | -            |
| <b>BTEX</b>                                                 |       |      |              |              |              |
| Benzene                                                     | 0.001 | mg/L | -            | 98%          | < 0.001      |
| Toluene                                                     | 0.001 | mg/L | -            | 96%          | < 0.001      |
| Ethylbenzene                                                | 0.001 | mg/L | -            | 92%          | < 0.001      |
| m&p-Xylenes                                                 | 0.002 | mg/L | -            | 92%          | < 0.002      |
| o-Xylene                                                    | 0.001 | mg/L | -            | 94%          | < 0.001      |
| Xylenes - Total                                             | 0.003 | mg/L | -            | 93%          | < 0.003      |
| 4-Bromofluorobenzene (surr.)                                | 1     | %    | -            | 99           | 82           |
| <b>Volatile Organics</b>                                    |       |      |              |              |              |
| 1.1-Dichloroethane                                          | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.1-Dichloroethene                                          | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.1.1-Trichloroethane                                       | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.1.1.2-Tetrachloroethane                                   | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.1.2-Trichloroethane                                       | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.1.2.2-Tetrachloroethane                                   | 0.005 | mg/L | < 0.005      | -            | -            |
| 1.2-Dibromoethane                                           | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.2-Dichlorobenzene                                         | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.2-Dichloroethane                                          | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.2-Dichloropropane                                         | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.2.3-Trichloropropane                                      | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.2.4-Trimethylbenzene                                      | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.3-Dichlorobenzene                                         | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.3-Dichloropropane                                         | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.3.5-Trimethylbenzene                                      | 0.001 | mg/L | < 0.001      | -            | -            |
| 1.4-Dichlorobenzene                                         | 0.001 | mg/L | < 0.001      | -            | -            |
| 2-Butanone (MEK)                                            | 0.001 | mg/L | < 0.001      | -            | -            |
| 2-Propanone (Acetone)                                       | 0.001 | mg/L | < 0.001      | -            | -            |
| 4-Chlorotoluene                                             | 0.001 | mg/L | < 0.001      | -            | -            |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.001 | mg/L | < 0.001      | -            | -            |
| Allyl chloride                                              | 0.001 | mg/L | < 0.001      | -            | -            |

| Client Sample ID                                            |       |      | RINSATE      | TS           | SB           |
|-------------------------------------------------------------|-------|------|--------------|--------------|--------------|
| Sample Matrix                                               |       |      | Water        | Water        | Water        |
| Eurofins   mgt Sample No.                                   |       |      | S15-De06643  | S15-De06644  | S15-De06645  |
| Date Sampled                                                |       |      | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                              | LOR   | Unit |              |              |              |
| <b>Volatile Organics</b>                                    |       |      |              |              |              |
| Benzene                                                     | 0.001 | mg/L | < 0.001      | -            | -            |
| Bromobenzene                                                | 0.001 | mg/L | < 0.001      | -            | -            |
| Bromochloromethane                                          | 0.001 | mg/L | < 0.001      | -            | -            |
| Bromodichloromethane                                        | 0.001 | mg/L | < 0.001      | -            | -            |
| Bromoform                                                   | 0.001 | mg/L | < 0.001      | -            | -            |
| Bromomethane                                                | 0.001 | mg/L | < 0.001      | -            | -            |
| Carbon disulfide                                            | 0.001 | mg/L | < 0.001      | -            | -            |
| Carbon Tetrachloride                                        | 0.001 | mg/L | < 0.001      | -            | -            |
| Chlorobenzene                                               | 0.001 | mg/L | < 0.001      | -            | -            |
| Chloroethane                                                | 0.001 | mg/L | < 0.001      | -            | -            |
| Chloroform                                                  | 0.005 | mg/L | < 0.005      | -            | -            |
| Chloromethane                                               | 0.001 | mg/L | < 0.001      | -            | -            |
| cis-1.2-Dichloroethene                                      | 0.001 | mg/L | < 0.001      | -            | -            |
| cis-1.3-Dichloropropene                                     | 0.001 | mg/L | < 0.001      | -            | -            |
| Dibromochloromethane                                        | 0.001 | mg/L | < 0.001      | -            | -            |
| Dibromomethane                                              | 0.005 | mg/L | < 0.005      | -            | -            |
| Dichlorodifluoromethane                                     | 0.001 | mg/L | < 0.001      | -            | -            |
| Ethylbenzene                                                | 0.001 | mg/L | < 0.001      | -            | -            |
| Iodomethane                                                 | 0.001 | mg/L | < 0.001      | -            | -            |
| Isopropyl benzene (Cumene)                                  | 0.001 | mg/L | < 0.001      | -            | -            |
| m&p-Xylenes                                                 | 0.002 | mg/L | < 0.002      | -            | -            |
| Methylene Chloride                                          | 0.001 | mg/L | < 0.001      | -            | -            |
| o-Xylene                                                    | 0.001 | mg/L | < 0.001      | -            | -            |
| Styrene                                                     | 0.001 | mg/L | < 0.001      | -            | -            |
| Tetrachloroethene                                           | 0.001 | mg/L | < 0.001      | -            | -            |
| Toluene                                                     | 0.001 | mg/L | < 0.001      | -            | -            |
| trans-1.2-Dichloroethene                                    | 0.001 | mg/L | < 0.001      | -            | -            |
| trans-1.3-Dichloropropene                                   | 0.001 | mg/L | < 0.001      | -            | -            |
| Trichloroethene                                             | 0.001 | mg/L | < 0.001      | -            | -            |
| Trichlorofluoromethane                                      | 0.001 | mg/L | < 0.001      | -            | -            |
| Vinyl chloride                                              | 0.001 | mg/L | < 0.001      | -            | -            |
| Xylenes - Total                                             | 0.003 | mg/L | < 0.003      | -            | -            |
| Fluorobenzene (surr.)                                       | 1     | %    | 96           | -            | -            |
| 4-Bromofluorobenzene (surr.)                                | 1     | %    | 89           | -            | -            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |      |              |              |              |
| Naphthalene <sup>N02</sup>                                  | 0.01  | mg/L | < 0.01       | -            | -            |
| TRH C6-C10                                                  | 0.02  | mg/L | < 0.02       | -            | -            |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 0.02  | mg/L | < 0.02       | -            | -            |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 0.05  | mg/L | < 0.05       | -            | -            |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |       |      |              |              |              |
| Acenaphthene                                                | 0.001 | mg/L | < 0.001      | -            | -            |
| Acenaphthylene                                              | 0.001 | mg/L | < 0.001      | -            | -            |
| Anthracene                                                  | 0.001 | mg/L | < 0.001      | -            | -            |
| Benz(a)anthracene                                           | 0.001 | mg/L | < 0.001      | -            | -            |
| Benzo(a)pyrene                                              | 0.001 | mg/L | < 0.001      | -            | -            |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.001 | mg/L | < 0.001      | -            | -            |
| Benzo(g,h,i)perylene                                        | 0.001 | mg/L | < 0.001      | -            | -            |
| Benzo(k)fluoranthene                                        | 0.001 | mg/L | < 0.001      | -            | -            |
| Chrysene                                                    | 0.001 | mg/L | < 0.001      | -            | -            |

| Client Sample ID                                            |        |      | RINSATE      | TS           | SB           |
|-------------------------------------------------------------|--------|------|--------------|--------------|--------------|
| Sample Matrix                                               |        |      | Water        | Water        | Water        |
| Eurofins   mgt Sample No.                                   |        |      | S15-De06643  | S15-De06644  | S15-De06645  |
| Date Sampled                                                |        |      | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                              | LOR    | Unit |              |              |              |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |        |      |              |              |              |
| Dibenz(a,h)anthracene                                       | 0.001  | mg/L | < 0.001      | -            | -            |
| Fluoranthene                                                | 0.001  | mg/L | < 0.001      | -            | -            |
| Fluorene                                                    | 0.001  | mg/L | < 0.001      | -            | -            |
| Indeno(1.2.3-cd)pyrene                                      | 0.001  | mg/L | < 0.001      | -            | -            |
| Naphthalene                                                 | 0.001  | mg/L | < 0.001      | -            | -            |
| Phenanthrene                                                | 0.001  | mg/L | < 0.001      | -            | -            |
| Pyrene                                                      | 0.001  | mg/L | < 0.001      | -            | -            |
| Total PAH*                                                  | 0.001  | mg/L | < 0.001      | -            | -            |
| 2-Fluorobiphenyl (surr.)                                    | 1      | %    | 84           | -            | -            |
| p-Terphenyl-d14 (surr.)                                     | 1      | %    | 124          | -            | -            |
| <b>Organochlorine Pesticides</b>                            |        |      |              |              |              |
| Chlordanes - Total                                          | 0.001  | mg/L | < 0.001      | -            | -            |
| 4,4'-DDD                                                    | 0.0001 | mg/L | < 0.0001     | -            | -            |
| 4,4'-DDE                                                    | 0.0001 | mg/L | < 0.0001     | -            | -            |
| 4,4'-DDT                                                    | 0.0001 | mg/L | < 0.0001     | -            | -            |
| α-BHC                                                       | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Aldrin                                                      | 0.0001 | mg/L | < 0.0001     | -            | -            |
| β-BHC                                                       | 0.0001 | mg/L | < 0.0001     | -            | -            |
| δ-BHC                                                       | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Dieldrin                                                    | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Endosulfan I                                                | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Endosulfan II                                               | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Endosulfan sulphate                                         | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Endrin                                                      | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Endrin aldehyde                                             | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Endrin ketone                                               | 0.0001 | mg/L | < 0.0001     | -            | -            |
| γ-BHC (Lindane)                                             | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Heptachlor                                                  | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Heptachlor epoxide                                          | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Hexachlorobenzene                                           | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Methoxychlor                                                | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Toxaphene                                                   | 0.01   | mg/L | < 0.01       | -            | -            |
| Dibutylchloredate (surr.)                                   | 1      | %    | 89           | -            | -            |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |        |      |              |              |              |
| Aroclor-1016                                                | 0.005  | mg/L | < 0.005      | -            | -            |
| Aroclor-1232                                                | 0.005  | mg/L | < 0.005      | -            | -            |
| Aroclor-1242                                                | 0.005  | mg/L | < 0.005      | -            | -            |
| Aroclor-1248                                                | 0.005  | mg/L | < 0.005      | -            | -            |
| Aroclor-1254                                                | 0.005  | mg/L | < 0.005      | -            | -            |
| Aroclor-1260                                                | 0.005  | mg/L | < 0.005      | -            | -            |
| Total PCB*                                                  | 0.001  | mg/L | < 0.005      | -            | -            |
| Dibutylchloredate (surr.)                                   | 1      | %    | 89           | -            | -            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |        |      |              |              |              |
| TRH >C10-C16                                                | 0.05   | mg/L | < 0.05       | -            | -            |
| TRH >C16-C34                                                | 0.1    | mg/L | < 0.1        | -            | -            |
| TRH >C34-C40                                                | 0.1    | mg/L | < 0.1        | -            | -            |

|                           |        |      |              |              |              |
|---------------------------|--------|------|--------------|--------------|--------------|
| Client Sample ID          |        |      | RINSATE      | TS           | SB           |
| Sample Matrix             |        |      | Water        | Water        | Water        |
| Eurofins   mgt Sample No. |        |      | S15-De06643  | S15-De06644  | S15-De06645  |
| Date Sampled              |        |      | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference            | LOR    | Unit |              |              |              |
| <b>Heavy Metals</b>       |        |      |              |              |              |
| Arsenic                   | 0.005  | mg/L | < 0.005      | -            | -            |
| Cadmium                   | 0.0005 | mg/L | < 0.0005     | -            | -            |
| Chromium                  | 0.005  | mg/L | < 0.005      | -            | -            |
| Copper                    | 0.005  | mg/L | < 0.005      | -            | -            |
| Lead                      | 0.005  | mg/L | < 0.005      | -            | -            |
| Mercury                   | 0.0001 | mg/L | < 0.0001     | -            | -            |
| Nickel                    | 0.005  | mg/L | < 0.005      | -            | -            |
| Zinc                      | 0.005  | mg/L | < 0.005      | -            | -            |



## Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description                                                                                 | Testing Site | Extracted    | Holding Time |
|---------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions<br>- Method: TRH C6-C36 - LTM-ORG-2010 | Sydney       | Dec 07, 2015 | 7 Day        |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions<br>- Method: TRH C6-C40 - LTM-ORG-2010 | Sydney       | Dec 07, 2015 | 7 Day        |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions<br>- Method: TRH C6-C40 - LTM-ORG-2010 | Sydney       | Dec 07, 2015 | 7 Day        |
| BTEX<br>- Method: TRH C6-C40 - LTM-ORG-2010                                                 | Sydney       | Dec 07, 2015 | 14 Day       |
| Volatile Organics<br>- Method: E016 Volatile Organic Compounds (VOC)                        | Sydney       | Dec 07, 2015 | 7 Day        |
| Polycyclic Aromatic Hydrocarbons<br>- Method: E007 Polyaromatic Hydrocarbons (PAH)          | Sydney       | Dec 07, 2015 | 7 Day        |
| Organochlorine Pesticides<br>- Method: E013 Organochlorine Pesticides (OC)                  | Sydney       | Dec 07, 2015 | 7 Day        |
| Polychlorinated Biphenyls (PCB)<br>- Method: E013 Polychlorinated Biphenyls (PCB)           | Sydney       | Dec 07, 2015 | 7 Day        |
| Metals M8<br>- Method: LTM-MET-3040 Metals in Waters by ICP-MS                              | Sydney       | Dec 07, 2015 | 28 Day       |

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**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |        |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|---------------|--------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |        |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |               |        |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix | LAB ID      |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH01 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06582 | X                          |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06583 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH02 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06584 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH03 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06585 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06586 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH04 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06587 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH04 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06588 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| BH04 2.0-4.0                                    | Dec 06, 2015 |               | Soil   | S15-De06589 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH04 5.0-5.5                                    | Dec 06, 2015 |               | Soil   | S15-De06590 |                            |      |                          |                      | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |

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|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|----------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                  |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                                | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH04 5.5-6.0                                    | Dec 06, 2015 |  | Soil | S15-De06591 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   | X            |              | X            |                          | X                              |
| BH05 0.0-0.1                                    | Dec 06, 2015 |  | Soil | S15-De06592 | X                          |      | X                        | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH05 1.0-2.1                                    | Dec 06, 2015 |  | Soil | S15-De06593 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH05 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06594 |                            | X    |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH06 0.0-0.5                                    | Dec 06, 2015 |  | Soil | S15-De06595 | X                          |      |                          | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH07 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06596 | X                          |      | X                        | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH07 1.0-1.5                                    | Dec 06, 2015 |  | Soil | S15-De06597 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   | X            |              | X            |                          | X                              |
| BH07 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06598 |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   | X            | X            |              |                          |                                |
| BH08 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06599 | X                          |      |                          | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH08 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06600 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH08 2.5-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06601 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH09 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06602 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH09 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06603 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH09 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06604 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH09 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06605 |                            |      | X                        |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            | X                        | X                              |
| BH09 6.0-6.5                                    | Dec 06, 2015 |  | Soil | S15-De06606 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| BH09 8.0                                        | Dec 06, 2015 |  | Soil | S15-De06607 |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            |              |                          |                                |
| BH10 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06608 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH12 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06609 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH12 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06610 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |



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|------------------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|----------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| <b>Laboratory where analysis is conducted</b>              |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| <b>Melbourne Laboratory - NATA Site # 1254 &amp; 14271</b> |              |  |      |             |                            |      |                          | X                    |                                  |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| <b>Sydney Laboratory - NATA Site # 18217</b>               |              |  |      |             | X                          | X    | X                        |                      | X                                | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| <b>Brisbane Laboratory - NATA Site # 20794</b>             |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| <b>External Laboratory</b>                                 |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH12 2.0-3.0                                               | Dec 06, 2015 |  | Soil | S15-De06611 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH12 3.0-4.0                                               | Dec 06, 2015 |  | Soil | S15-De06612 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH12 4.0-5.0                                               | Dec 06, 2015 |  | Soil | S15-De06613 |                            |      | X                        |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            | X                        | X                              |
| BH12 5.0-6.0                                               | Dec 06, 2015 |  | Soil | S15-De06614 |                            | X    |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH13 0.0-1.0                                               | Dec 06, 2015 |  | Soil | S15-De06615 | X                          |      | X                        | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH13 1.0-2.0                                               | Dec 06, 2015 |  | Soil | S15-De06616 | X                          |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH13 3.0-3.5                                               | Dec 06, 2015 |  | Soil | S15-De06617 |                            | X    |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH14 0.3-1.0                                               | Dec 06, 2015 |  | Soil | S15-De06618 | X                          |      |                          | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH15 0.0-1.0                                               | Dec 06, 2015 |  | Soil | S15-De06619 |                            |      |                          |                      | X                                | X                         |                           | X         |      | X                               |                   |              |              | X            |                          | X                              |
| BH15 1.0-2.0                                               | Dec 06, 2015 |  | Soil | S15-De06620 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH15 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06621 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH15 3.0-3.6                                    | Dec 06, 2015 |  | Soil | S15-De06622 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH16 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06623 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH16 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06624 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH16 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06625 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH16 4.0-4.5                                    | Dec 06, 2015 |  | Soil | S15-De06626 |                            |      | X                        |                      |                                 |                           |                           |           |      |                                 |                   |              |              | X            | X                        |                                |
| BH17 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06627 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH17 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06628 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH17 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06629 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH17 4.0                                        | Dec 06, 2015 |  | Soil | S15-De06630 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |

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**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 482392  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 7, 2015 4:42 PM  
**Due:** Dec 14, 2015  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |      |             | Asbestos Absence /Presence | HOLD | pH (1.5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH17 6.0                                        | Dec 06, 2015 |  | Soil | S15-De06631 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH18 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06632 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH18 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06633 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH18 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06634 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH18 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06635 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH18 6.0                                        | Dec 06, 2015 |  | Soil | S15-De06636 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH05 3.5-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06637 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH07 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06638 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH12 6.5-7.0                                    | Dec 06, 2015 |  | Soil | S15-De06639 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| QC01                                            | Dec 06, 2015 |  | Soil | S15-De06640 | X                          |      |                          | X                    | X                               | X                         | X                         | X         |      |                                 | X                 |              |              | X            |                          | X                              |

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|-------------------------------------------------|--------------|--|-------|-------------|----------------------------|------|--------------------------|----------------------|----------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |       |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |       |             |                            |      |                          | X                    |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |       |             | X                          | X    | X                        |                      | X                                | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |       |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |       |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| QC02                                            | Dec 06, 2015 |  | Soil  | S15-De06641 | X                          |      |                          | X                    | X                                | X                         | X                         | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| QC03                                            | Dec 06, 2015 |  | Soil  | S15-De06642 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| RINSATE                                         | Dec 06, 2015 |  | Water | S15-De06643 |                            |      |                          |                      | X                                | X                         |                           | X         |      | X                               | X                 |              |              |              |                          | X                              |
| TS                                              | Dec 06, 2015 |  | Water | S15-De06644 |                            |      |                          |                      |                                  |                           |                           |           | X    |                                 |                   |              |              |              |                          |                                |
| SB                                              | Dec 06, 2015 |  | Water | S15-De06645 |                            |      |                          |                      |                                  |                           |                           |           | X    |                                 |                   |              |              |              |                          |                                |



## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

**\*\*NOTE:** pH duplicates are reported as a range NOT as RPD

### Units

**mg/kg:** milligrams per Kilogram

**mg/l:** milligrams per litre

**ug/l:** micrograms per litre

**ppm:** Parts per million

**ppb:** Parts per billion

**%:** Percentage

**org/100ml:** Organisms per 100 millilitres

**NTU:** Nephelometric Turbidity Units

**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

### Terms

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                    |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                               |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                        |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                             |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery                                                                                                          |
| <b>CRM</b>              | Certified Reference Material - reported as percent recovery                                                                                                       |
| <b>Method Blank</b>     | In the case of solid samples these are performed on laboratory certified clean sands.<br>In the case of water samples these are performed on de-ionised water.    |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                        |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                  |
| <b>Batch Duplicate</b>  | A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>Batch SPIKE</b>      | Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>USEPA</b>            | United States Environmental Protection Agency                                                                                                                     |
| <b>APHA</b>             | American Public Health Association                                                                                                                                |
| <b>ASLP</b>             | Australian Standard Leaching Procedure (AS4439.3)                                                                                                                 |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                        |
| <b>COC</b>              | Chain of Custody                                                                                                                                                  |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                             |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                             |
| <b>NCP</b>              | Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within |
| <b>TEQ</b>              | Toxic Equivalency Quotient                                                                                                                                        |

### QC - Acceptance Criteria

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

Results <10 times the LOR : No Limit

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

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

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

### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| TRH C6-C9                                                   | mg/L  | < 0.02   |  |  | 0.02              | Pass        |                 |
| TRH C10-C14                                                 | mg/L  | < 0.05   |  |  | 0.05              | Pass        |                 |
| TRH C15-C28                                                 | mg/L  | < 0.1    |  |  | 0.1               | Pass        |                 |
| TRH C29-C36                                                 | mg/L  | < 0.1    |  |  | 0.1               | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>BTEX</b>                                                 |       |          |  |  |                   |             |                 |
| Benzene                                                     | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Toluene                                                     | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Ethylbenzene                                                | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| m&p-Xylenes                                                 | mg/L  | < 0.002  |  |  | 0.002             | Pass        |                 |
| o-Xylene                                                    | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Xylenes - Total                                             | mg/L  | < 0.003  |  |  | 0.003             | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Volatile Organics</b>                                    |       |          |  |  |                   |             |                 |
| 1.1-Dichloroethane                                          | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.1-Dichloroethene                                          | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.1.1-Trichloroethane                                       | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.1.1.2-Tetrachloroethane                                   | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.1.2-Trichloroethane                                       | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.1.2.2-Tetrachloroethane                                   | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| 1.2-Dibromoethane                                           | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.2-Dichlorobenzene                                         | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.2-Dichloroethane                                          | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.2-Dichloropropane                                         | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.2.3-Trichloropropane                                      | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.2.4-Trimethylbenzene                                      | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.3-Dichlorobenzene                                         | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.3-Dichloropropane                                         | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.3.5-Trimethylbenzene                                      | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 1.4-Dichlorobenzene                                         | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 2-Butanone (MEK)                                            | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 2-Propanone (Acetone)                                       | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 4-Chlorotoluene                                             | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Allyl chloride                                              | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Bromobenzene                                                | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Bromochloromethane                                          | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Bromodichloromethane                                        | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Bromoform                                                   | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Bromomethane                                                | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Carbon disulfide                                            | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Carbon Tetrachloride                                        | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Chlorobenzene                                               | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Chloroethane                                                | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Chloroform                                                  | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Chloromethane                                               | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| cis-1.2-Dichloroethene                                      | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| cis-1.3-Dichloropropene                                     | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Dibromochloromethane                                        | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Dibromomethane                                              | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| Dichlorodifluoromethane                                     | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Iodomethane                                                 | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Isopropyl benzene (Cumene)                                  | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Methylene Chloride                                          | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Styrene                                                     | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Tetrachloroethene                                           | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| trans-1,2-Dichloroethene                                    | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| trans-1,3-Dichloropropene                                   | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Trichloroethene                                             | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Trichlorofluoromethane                                      | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Vinyl chloride                                              | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Xylenes - Total                                             | mg/L  | < 0.003  |  |  | 0.003             | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| Naphthalene                                                 | mg/L  | < 0.01   |  |  | 0.01              | Pass        |                 |
| TRH C6-C10                                                  | mg/L  | < 0.02   |  |  | 0.02              | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |       |          |  |  |                   |             |                 |
| Acenaphthene                                                | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Acenaphthylene                                              | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Anthracene                                                  | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benz(a)anthracene                                           | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benzo(a)pyrene                                              | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benzo(b&j)fluoranthene                                      | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benzo(g,h,i)perylene                                        | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benzo(k)fluoranthene                                        | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Chrysene                                                    | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Dibenz(a,h)anthracene                                       | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Fluoranthene                                                | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Fluorene                                                    | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Indeno(1,2,3-cd)pyrene                                      | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Naphthalene                                                 | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Phenanthrene                                                | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| Pyrene                                                      | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Organochlorine Pesticides</b>                            |       |          |  |  |                   |             |                 |
| Chlordanes - Total                                          | mg/L  | < 0.001  |  |  | 0.001             | Pass        |                 |
| 4,4'-DDD                                                    | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| 4,4'-DDE                                                    | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| 4,4'-DDT                                                    | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| a-BHC                                                       | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Aldrin                                                      | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| b-BHC                                                       | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| d-BHC                                                       | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Dieldrin                                                    | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Endosulfan I                                                | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Endosulfan II                                               | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Endosulfan sulphate                                         | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Endrin                                                      | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Endrin aldehyde                                             | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Endrin ketone                                               | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| g-BHC (Lindane)                                             | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Heptachlor                                                  | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Heptachlor epoxide                                          | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| Hexachlorobenzene                                           | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Methoxychlor                                                | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Toxaphene                                                   | mg/L  | < 0.01   |  |  | 0.01              | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |       |          |  |  |                   |             |                 |
| Aroclor-1016                                                | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Aroclor-1232                                                | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Aroclor-1242                                                | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Aroclor-1248                                                | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Aroclor-1254                                                | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Aroclor-1260                                                | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| TRH >C10-C16                                                | mg/L  | < 0.05   |  |  | 0.05              | Pass        |                 |
| TRH >C16-C34                                                | mg/L  | < 0.1    |  |  | 0.1               | Pass        |                 |
| TRH >C34-C40                                                | mg/L  | < 0.1    |  |  | 0.1               | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                         |       |          |  |  |                   |             |                 |
| Arsenic                                                     | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Cadmium                                                     | mg/L  | < 0.0005 |  |  | 0.0005            | Pass        |                 |
| Chromium                                                    | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Copper                                                      | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Lead                                                        | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Mercury                                                     | mg/L  | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Nickel                                                      | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| Zinc                                                        | mg/L  | < 0.005  |  |  | 0.005             | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| TRH C6-C9                                                   | %     | 94       |  |  | 70-130            | Pass        |                 |
| TRH C10-C14                                                 | %     | 77       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>BTEX</b>                                                 |       |          |  |  |                   |             |                 |
| Benzene                                                     | %     | 100      |  |  | 70-130            | Pass        |                 |
| Toluene                                                     | %     | 99       |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                                                | %     | 97       |  |  | 70-130            | Pass        |                 |
| m&p-Xylenes                                                 | %     | 96       |  |  | 70-130            | Pass        |                 |
| o-Xylene                                                    | %     | 99       |  |  | 70-130            | Pass        |                 |
| Xylenes - Total                                             | %     | 98       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Volatile Organics</b>                                    |       |          |  |  |                   |             |                 |
| 1.1-Dichloroethane                                          | %     | 79       |  |  | 70-130            | Pass        |                 |
| 1.1-Dichloroethene                                          | %     | 99       |  |  | 70-130            | Pass        |                 |
| 1.1.1-Trichloroethane                                       | %     | 100      |  |  | 70-130            | Pass        |                 |
| 1.1.1.2-Tetrachloroethane                                   | %     | 99       |  |  | 70-130            | Pass        |                 |
| 1.1.2-Trichloroethane                                       | %     | 102      |  |  | 70-130            | Pass        |                 |
| 1.1.2.2-Tetrachloroethane                                   | %     | 101      |  |  | 70-130            | Pass        |                 |
| 1.2-Dibromoethane                                           | %     | 100      |  |  | 70-130            | Pass        |                 |
| 1.2-Dichlorobenzene                                         | %     | 104      |  |  | 70-130            | Pass        |                 |
| 1.2-Dichloroethane                                          | %     | 101      |  |  | 70-130            | Pass        |                 |
| 1.2-Dichloropropane                                         | %     | 100      |  |  | 70-130            | Pass        |                 |
| 1.2.3-Trichloropropane                                      | %     | 104      |  |  | 70-130            | Pass        |                 |
| 1.2.4-Trimethylbenzene                                      | %     | 100      |  |  | 70-130            | Pass        |                 |
| 1.3-Dichlorobenzene                                         | %     | 103      |  |  | 70-130            | Pass        |                 |
| 1.3-Dichloropropane                                         | %     | 101      |  |  | 70-130            | Pass        |                 |

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| 1.3.5-Trimethylbenzene                                      | %     | 99       |  |  | 70-130            | Pass        |                 |
| 1.4-Dichlorobenzene                                         | %     | 102      |  |  | 70-130            | Pass        |                 |
| 2-Butanone (MEK)                                            | %     | 100      |  |  | 70-130            | Pass        |                 |
| 2-Propanone (Acetone)                                       | %     | 107      |  |  | 70-130            | Pass        |                 |
| 4-Chlorotoluene                                             | %     | 102      |  |  | 70-130            | Pass        |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | %     | 100      |  |  | 70-130            | Pass        |                 |
| Allyl chloride                                              | %     | 101      |  |  | 75-125            | Pass        |                 |
| Bromobenzene                                                | %     | 100      |  |  | 70-130            | Pass        |                 |
| Bromochloromethane                                          | %     | 103      |  |  | 70-130            | Pass        |                 |
| Bromodichloromethane                                        | %     | 101      |  |  | 70-130            | Pass        |                 |
| Bromoform                                                   | %     | 99       |  |  | 70-130            | Pass        |                 |
| Bromomethane                                                | %     | 119      |  |  | 70-130            | Pass        |                 |
| Carbon disulfide                                            | %     | 99       |  |  | 70-130            | Pass        |                 |
| Carbon Tetrachloride                                        | %     | 99       |  |  | 70-130            | Pass        |                 |
| Chlorobenzene                                               | %     | 99       |  |  | 70-130            | Pass        |                 |
| Chloroethane                                                | %     | 85       |  |  | 70-130            | Pass        |                 |
| Chloroform                                                  | %     | 99       |  |  | 70-130            | Pass        |                 |
| Chloromethane                                               | %     | 93       |  |  | 70-130            | Pass        |                 |
| cis-1.2-Dichloroethene                                      | %     | 100      |  |  | 70-130            | Pass        |                 |
| cis-1.3-Dichloropropene                                     | %     | 96       |  |  | 70-130            | Pass        |                 |
| Dibromochloromethane                                        | %     | 100      |  |  | 70-130            | Pass        |                 |
| Dibromomethane                                              | %     | 101      |  |  | 70-130            | Pass        |                 |
| Dichlorodifluoromethane                                     | %     | 86       |  |  | 70-130            | Pass        |                 |
| Iodomethane                                                 | %     | 126      |  |  | 70-130            | Pass        |                 |
| Isopropyl benzene (Cumene)                                  | %     | 97       |  |  | 70-130            | Pass        |                 |
| Methylene Chloride                                          | %     | 105      |  |  | 70-130            | Pass        |                 |
| Styrene                                                     | %     | 95       |  |  | 70-130            | Pass        |                 |
| Tetrachloroethene                                           | %     | 99       |  |  | 70-130            | Pass        |                 |
| trans-1.2-Dichloroethene                                    | %     | 101      |  |  | 70-130            | Pass        |                 |
| trans-1.3-Dichloropropene                                   | %     | 96       |  |  | 70-130            | Pass        |                 |
| Trichloroethene                                             | %     | 99       |  |  | 70-130            | Pass        |                 |
| Trichlorofluoromethane                                      | %     | 100      |  |  | 70-130            | Pass        |                 |
| Vinyl chloride                                              | %     | 99       |  |  | 70-130            | Pass        |                 |
| Xylenes - Total                                             | %     | 98       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| Naphthalene                                                 | %     | 117      |  |  | 70-130            | Pass        |                 |
| TRH C6-C10                                                  | %     | 103      |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |       |          |  |  |                   |             |                 |
| Acenaphthene                                                | %     | 92       |  |  | 70-130            | Pass        |                 |
| Acenaphthylene                                              | %     | 100      |  |  | 70-130            | Pass        |                 |
| Anthracene                                                  | %     | 98       |  |  | 70-130            | Pass        |                 |
| Benz(a)anthracene                                           | %     | 113      |  |  | 70-130            | Pass        |                 |
| Benzo(a)pyrene                                              | %     | 103      |  |  | 70-130            | Pass        |                 |
| Benzo(b&j)fluoranthene                                      | %     | 117      |  |  | 70-130            | Pass        |                 |
| Benzo(g,h,i)perylene                                        | %     | 99       |  |  | 70-130            | Pass        |                 |
| Benzo(k)fluoranthene                                        | %     | 103      |  |  | 70-130            | Pass        |                 |
| Chrysene                                                    | %     | 95       |  |  | 70-130            | Pass        |                 |
| Dibenz(a,h)anthracene                                       | %     | 106      |  |  | 70-130            | Pass        |                 |
| Fluoranthene                                                | %     | 103      |  |  | 70-130            | Pass        |                 |
| Fluorene                                                    | %     | 95       |  |  | 70-130            | Pass        |                 |
| Indeno(1.2.3-cd)pyrene                                      | %     | 107      |  |  | 70-130            | Pass        |                 |
| Naphthalene                                                 | %     | 96       |  |  | 70-130            | Pass        |                 |



| Test                                                        |               |           | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|---------------|-----------|-------|----------|----------|-----|-------------------|-------------|-----------------|
| Phenanthrene                                                |               |           | %     | 100      |          |     | 70-130            | Pass        |                 |
| Pyrene                                                      |               |           | %     | 100      |          |     | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |               |           |       |          |          |     |                   |             |                 |
| <b>Organochlorine Pesticides</b>                            |               |           |       |          |          |     |                   |             |                 |
| 4.4'-DDD                                                    |               |           | %     | 94       |          |     | 70-130            | Pass        |                 |
| 4.4'-DDE                                                    |               |           | %     | 102      |          |     | 70-130            | Pass        |                 |
| 4.4'-DDT                                                    |               |           | %     | 91       |          |     | 70-130            | Pass        |                 |
| a-BHC                                                       |               |           | %     | 79       |          |     | 70-130            | Pass        |                 |
| Aldrin                                                      |               |           | %     | 83       |          |     | 70-130            | Pass        |                 |
| b-BHC                                                       |               |           | %     | 92       |          |     | 70-130            | Pass        |                 |
| Dieldrin                                                    |               |           | %     | 108      |          |     | 70-130            | Pass        |                 |
| Endosulfan I                                                |               |           | %     | 103      |          |     | 70-130            | Pass        |                 |
| Endosulfan II                                               |               |           | %     | 112      |          |     | 70-130            | Pass        |                 |
| Endosulfan sulphate                                         |               |           | %     | 80       |          |     | 70-130            | Pass        |                 |
| Endrin                                                      |               |           | %     | 103      |          |     | 70-130            | Pass        |                 |
| Endrin aldehyde                                             |               |           | %     | 108      |          |     | 70-130            | Pass        |                 |
| Endrin ketone                                               |               |           | %     | 103      |          |     | 70-130            | Pass        |                 |
| g-BHC (Lindane)                                             |               |           | %     | 81       |          |     | 70-130            | Pass        |                 |
| Heptachlor                                                  |               |           | %     | 85       |          |     | 70-130            | Pass        |                 |
| Heptachlor epoxide                                          |               |           | %     | 99       |          |     | 70-130            | Pass        |                 |
| Methoxychlor                                                |               |           | %     | 83       |          |     | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |               |           |       |          |          |     |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |       |          |          |     |                   |             |                 |
| TRH >C10-C16                                                |               |           | %     | 76       |          |     | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |       |          |          |     |                   |             |                 |
| Arsenic                                                     |               |           | %     | 86       |          |     | 70-130            | Pass        |                 |
| Cadmium                                                     |               |           | %     | 93       |          |     | 70-130            | Pass        |                 |
| Chromium                                                    |               |           | %     | 93       |          |     | 70-130            | Pass        |                 |
| Copper                                                      |               |           | %     | 88       |          |     | 70-130            | Pass        |                 |
| Lead                                                        |               |           | %     | 98       |          |     | 70-130            | Pass        |                 |
| Mercury                                                     |               |           | %     | 84       |          |     | 70-130            | Pass        |                 |
| Nickel                                                      |               |           | %     | 91       |          |     | 70-130            | Pass        |                 |
| Zinc                                                        |               |           | %     | 86       |          |     | 70-130            | Pass        |                 |
| Test                                                        | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |       | Result 1 |          |     |                   |             |                 |
| Arsenic                                                     | S15-De03119   | NCP       | %     | 89       |          |     | 70-130            | Pass        |                 |
| Cadmium                                                     | S15-De03119   | NCP       | %     | 93       |          |     | 70-130            | Pass        |                 |
| Chromium                                                    | S15-De03119   | NCP       | %     | 98       |          |     | 70-130            | Pass        |                 |
| Copper                                                      | S15-De03119   | NCP       | %     | 93       |          |     | 70-130            | Pass        |                 |
| Lead                                                        | S15-De03119   | NCP       | %     | 100      |          |     | 70-130            | Pass        |                 |
| Mercury                                                     | S15-De03119   | NCP       | %     | 92       |          |     | 70-130            | Pass        |                 |
| Nickel                                                      | S15-De03119   | NCP       | %     | 96       |          |     | 70-130            | Pass        |                 |
| Zinc                                                        | S15-De03119   | NCP       | %     | 89       |          |     | 70-130            | Pass        |                 |
| Test                                                        | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Duplicate</b>                                            |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| Arsenic                                                     | S15-De03118   | NCP       | mg/L  | < 0.005  | < 0.005  | <1  | 30%               | Pass        |                 |
| Cadmium                                                     | S15-De03118   | NCP       | mg/L  | < 0.0005 | < 0.0005 | <1  | 30%               | Pass        |                 |
| Chromium                                                    | S15-De03118   | NCP       | mg/L  | < 0.005  | < 0.005  | <1  | 30%               | Pass        |                 |
| Copper                                                      | S15-De03118   | NCP       | mg/L  | < 0.005  | < 0.005  | <1  | 30%               | Pass        |                 |
| Lead                                                        | S15-De03118   | NCP       | mg/L  | < 0.005  | < 0.005  | <1  | 30%               | Pass        |                 |

| Test                | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
|---------------------|---------------|-----------|-------|----------|----------|-----|-------------------|-------------|-----------------|
| <b>Duplicate</b>    |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b> |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| Mercury             | S15-De03118   | NCP       | mg/L  | < 0.0001 | < 0.0001 | <1  | 30%               | Pass        |                 |
| Nickel              | S15-De03118   | NCP       | mg/L  | < 0.005  | < 0.005  | <1  | 30%               | Pass        |                 |
| Zinc                | S15-De03118   | NCP       | mg/L  | 0.007    | 0.007    | 4.0 | 30%               | Pass        |                 |

## Comments

### Sample Integrity

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

### Qualifier Codes/Comments

| Code | Description                                                                                                                                                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N01  | F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).                                                                                                                                                                                                                   |
| N02  | Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid. |
| N04  | F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.                                                                                                                              |
| N07  | Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs                                                                                                                                                                                                       |

## Authorised By

|                |                               |
|----------------|-------------------------------|
| Charl Du Preez | Analytical Services Manager   |
| Ivan Taylor    | Senior Analyst-Metal (NSW)    |
| Ryan Hamilton  | Senior Analyst-Organic (NSW)  |
| Ryan Hamilton  | Senior Analyst-Volatile (NSW) |



**Glenn Jackson**

### National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

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# Certificate of Analysis

**JBS & G Australia (NSW & WA) P/L**  
**Level 1, 50 Margaret St**  
**Sydney**  
**NSW 2000**



**NATA Accredited**  
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**Site Number 1254**

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

**Attention:** **Nathan Cussen**

**Report** **482392-S**  
Project name ATP  
Project ID 50720  
Received Date Dec 07, 2015

| Client Sample ID                                            |      |       | BH01 0.0-1.0 | BH01 1.0-2.0 | BH02 0.0-1.0 | BH03 0.0-1.0 |
|-------------------------------------------------------------|------|-------|--------------|--------------|--------------|--------------|
| Sample Matrix                                               |      |       | Soil         | Soil         | Soil         | Soil         |
| Eurofins   mgt Sample No.                                   |      |       | S15-De06582  | S15-De06583  | S15-De06584  | S15-De06585  |
| Date Sampled                                                |      |       | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                              | LOR  | Unit  |              |              |              |              |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |              |              |              |              |
| TRH C6-C9                                                   | 20   | mg/kg | < 20         | < 20         | < 20         | < 20         |
| TRH C10-C14                                                 | 20   | mg/kg | < 20         | < 20         | < 20         | < 20         |
| TRH C15-C28                                                 | 50   | mg/kg | 51           | 450          | 110          | 250          |
| TRH C29-C36                                                 | 50   | mg/kg | < 50         | 300          | 300          | 410          |
| TRH C10-36 (Total)                                          | 50   | mg/kg | 51           | 750          | 410          | 660          |
| <b>Volatile Organics</b>                                    |      |       |              |              |              |              |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | -            | -            | < 5          | < 5          |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| Allyl chloride                                              | 0.05 | mg/kg | -            | -            | < 0.05       | < 0.05       |
| Benzene                                                     | 0.1  | mg/kg | -            | -            | < 0.1        | < 0.1        |
| Bromobenzene                                                | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| Bromochloromethane                                          | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| Bromodichloromethane                                        | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| Bromoform                                                   | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| Bromomethane                                                | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| Carbon disulfide                                            | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | -            | -            | < 0.5        | < 0.5        |

| Client Sample ID                                            |     |       | BH01 0.0-1.0<br>Soil | BH01 1.0-2.0<br>Soil | BH02 0.0-1.0<br>Soil | BH03 0.0-1.0<br>Soil |
|-------------------------------------------------------------|-----|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |     |       | S15-De06582          | S15-De06583          | S15-De06584          | S15-De06585          |
| Eurofins   mgt Sample No.                                   |     |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |     |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR | Unit  |                      |                      |                      |                      |
| <b>Volatile Organics</b>                                    |     |       |                      |                      |                      |                      |
| Chlorobenzene                                               | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Chloroethane                                                | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Chloroform                                                  | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Chloromethane                                               | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| cis-1.2-Dichloroethene                                      | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| cis-1.3-Dichloropropene                                     | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Dibromochloromethane                                        | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Dibromomethane                                              | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Dichlorodifluoromethane                                     | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Ethylbenzene                                                | 0.1 | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| Iodomethane                                                 | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Isopropyl benzene (Cumene)                                  | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| m&p-Xylenes                                                 | 0.2 | mg/kg | -                    | -                    | < 0.2                | < 0.2                |
| Methylene Chloride                                          | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| o-Xylene                                                    | 0.1 | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| Styrene                                                     | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Tetrachloroethene                                           | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Toluene                                                     | 0.1 | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| trans-1.2-Dichloroethene                                    | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| trans-1.3-Dichloropropene                                   | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Trichloroethene                                             | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Trichlorofluoromethane                                      | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Vinyl chloride                                              | 0.5 | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Xylenes - Total                                             | 0.3 | mg/kg | -                    | -                    | < 0.3                | < 0.3                |
| Fluorobenzene (surr.)                                       | 1   | %     | -                    | -                    | 98                   | 97                   |
| 4-Bromofluorobenzene (surr.)                                | 1   | %     | -                    | -                    | 73                   | 85                   |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| TRH C6-C10                                                  | 20  | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20  | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50  | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                      |                      |                      |                      |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5 | mg/kg | 1.6                  | 5.5                  | < 0.5                | < 0.5                |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5 | mg/kg | 1.8                  | 5.7                  | 0.6                  | 0.6                  |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5 | mg/kg | 2.1                  | 6.0                  | 1.2                  | 1.2                  |
| Acenaphthene                                                | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Acenaphthylene                                              | 0.5 | mg/kg | < 0.5                | 0.7                  | < 0.5                | < 0.5                |
| Anthracene                                                  | 0.5 | mg/kg | 0.6                  | 2.2                  | < 0.5                | < 0.5                |
| Benz(a)anthracene                                           | 0.5 | mg/kg | 1.6                  | 5.7                  | < 0.5                | < 0.5                |
| Benzo(a)pyrene                                              | 0.5 | mg/kg | 1.2                  | 4.0                  | < 0.5                | < 0.5                |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5 | mg/kg | 0.9                  | 4.2                  | < 0.5                | < 0.5                |
| Benzo(g,h,i)perylene                                        | 0.5 | mg/kg | < 0.5                | 1.2                  | < 0.5                | < 0.5                |
| Benzo(k)fluoranthene                                        | 0.5 | mg/kg | 1.0                  | 3.4                  | < 0.5                | < 0.5                |
| Chrysene                                                    | 0.5 | mg/kg | 1.1                  | 4.3                  | < 0.5                | < 0.5                |
| Dibenz(a,h)anthracene                                       | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Fluoranthene                                                | 0.5 | mg/kg | 2.9                  | 8.5                  | < 0.5                | < 0.5                |
| Fluorene                                                    | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Indeno(1.2.3-cd)pyrene                                      | 0.5 | mg/kg | < 0.5                | 1.1                  | < 0.5                | < 0.5                |
| Naphthalene                                                 | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |



| Client Sample ID                                            |      |       | BH01 0.0-1.0<br>Soil | BH01 1.0-2.0<br>Soil | BH02 0.0-1.0<br>Soil | BH03 0.0-1.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06582          | S15-De06583          | S15-De06584          | S15-De06585          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                      |                      |                      |                      |
| Phenanthrene                                                | 0.5  | mg/kg | 1.9                  | 6.7                  | < 0.5                | < 0.5                |
| Pyrene                                                      | 0.5  | mg/kg | 2.7                  | 8.1                  | < 0.5                | < 0.5                |
| Total PAH*                                                  | 0.5  | mg/kg | 14                   | 50                   | < 0.5                | < 0.5                |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 100                  | 95                   | 98                   | 97                   |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 99                   | 93                   | 96                   | 97                   |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| 4,4'-DDD                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| 4,4'-DDE                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| 4,4'-DDT                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| a-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Aldrin                                                      | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| b-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| d-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Dieldrin                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endosulfan I                                                | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endosulfan II                                               | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endosulfan sulphate                                         | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endrin                                                      | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endrin aldehyde                                             | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endrin ketone                                               | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| g-BHC (Lindane)                                             | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Heptachlor                                                  | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Heptachlor epoxide                                          | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Hexachlorobenzene                                           | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Methoxychlor                                                | 0.2  | mg/kg | -                    | -                    | < 0.2                | < 0.2                |
| Toxaphene                                                   | 1    | mg/kg | -                    | -                    | < 1                  | < 1                  |
| Dibutylchloroendate (surr.)                                 | 1    | %     | -                    | -                    | 88                   | 101                  |
| Tetrachloro-m-xylene (surr.)                                | 1    | %     | -                    | -                    | 86                   | 86                   |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |       |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1232                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1242                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1248                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1254                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1260                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Total PCB*                                                  | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Dibutylchloroendate (surr.)                                 | 1    | %     | -                    | -                    | 88                   | 101                  |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH >C16-C34                                                | 100  | mg/kg | < 100                | 660                  | 370                  | 540                  |
| TRH >C34-C40                                                | 100  | mg/kg | < 100                | 180                  | < 100                | 160                  |
|                                                             |      |       |                      |                      |                      |                      |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %     | -                    | -                    | 2.3                  | 2.2                  |
| % Moisture                                                  | 0.1  | %     | 12                   | 13                   | 7.3                  | 12                   |

|                                  |      |       |                     |                     |                     |                     |
|----------------------------------|------|-------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |      |       | <b>BH01 0.0-1.0</b> | <b>BH01 1.0-2.0</b> | <b>BH02 0.0-1.0</b> | <b>BH03 0.0-1.0</b> |
| <b>Sample Matrix</b>             |      |       | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         |
| <b>Eurofins   mgt Sample No.</b> |      |       | <b>S15-De06582</b>  | <b>S15-De06583</b>  | <b>S15-De06584</b>  | <b>S15-De06585</b>  |
| <b>Date Sampled</b>              |      |       | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> |
| Test/Reference                   | LOR  | Unit  |                     |                     |                     |                     |
| <b>Heavy Metals</b>              |      |       |                     |                     |                     |                     |
| Arsenic                          | 2    | mg/kg | 11                  | 13                  | 2.6                 | 12                  |
| Cadmium                          | 0.4  | mg/kg | < 0.4               | < 0.4               | < 0.4               | < 0.4               |
| Chromium                         | 5    | mg/kg | 5.6                 | 7.6                 | 12                  | 13                  |
| Copper                           | 5    | mg/kg | 590                 | 490                 | 61                  | 17                  |
| Lead                             | 5    | mg/kg | 240                 | 270                 | 52                  | 14                  |
| Mercury                          | 0.05 | mg/kg | 0.24                | 0.36                | < 0.05              | < 0.05              |
| Nickel                           | 5    | mg/kg | 12                  | 12                  | 8.2                 | < 5                 |
| Zinc                             | 5    | mg/kg | 210                 | 220                 | 100                 | 26                  |

|                                                             |      |       |                     |                     |                     |                     |
|-------------------------------------------------------------|------|-------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>                                     |      |       | <b>BH03 1.0-2.0</b> | <b>BH04 0.0-1.0</b> | <b>BH04 1.0-2.0</b> | <b>BH04 2.0-4.0</b> |
| <b>Sample Matrix</b>                                        |      |       | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         |
| <b>Eurofins   mgt Sample No.</b>                            |      |       | <b>S15-De06586</b>  | <b>S15-De06587</b>  | <b>S15-De06588</b>  | <b>S15-De06589</b>  |
| <b>Date Sampled</b>                                         |      |       | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> |
| Test/Reference                                              | LOR  | Unit  |                     |                     |                     |                     |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                     |                     |                     |                     |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                | < 20                | < 20                | < 20                |
| TRH C10-C14                                                 | 20   | mg/kg | 61                  | < 20                | < 20                | < 20                |
| TRH C15-C28                                                 | 50   | mg/kg | 2400                | < 50                | < 50                | < 50                |
| TRH C29-C36                                                 | 50   | mg/kg | 1900                | < 50                | < 50                | < 50                |
| TRH C10-36 (Total)                                          | 50   | mg/kg | 4400                | < 50                | < 50                | < 50                |
| <b>Volatile Organics</b>                                    |      |       |                     |                     |                     |                     |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | -                   | < 5                 | < 5                 | -                   |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| Allyl chloride                                              | 0.05 | mg/kg | -                   | < 0.05              | < 0.05              | -                   |
| Benzene                                                     | 0.1  | mg/kg | -                   | < 0.1               | < 0.1               | -                   |
| Bromobenzene                                                | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| Bromochloromethane                                          | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| Bromodichloromethane                                        | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| Bromoform                                                   | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |
| Bromomethane                                                | 0.5  | mg/kg | -                   | < 0.5               | < 0.5               | -                   |

| Client Sample ID                                            |     |       | BH03 1.0-2.0<br>Soil | BH04 0.0-1.0<br>Soil | BH04 1.0-2.0<br>Soil | BH04 2.0-4.0<br>Soil |
|-------------------------------------------------------------|-----|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |     |       | S15-De06586          | S15-De06587          | S15-De06588          | S15-De06589          |
| Eurofins   mgt Sample No.                                   |     |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |     |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR | Unit  |                      |                      |                      |                      |
| <b>Volatile Organics</b>                                    |     |       |                      |                      |                      |                      |
| Carbon disulfide                                            | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Carbon Tetrachloride                                        | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Chlorobenzene                                               | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Chloroethane                                                | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Chloroform                                                  | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Chloromethane                                               | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| cis-1.2-Dichloroethene                                      | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| cis-1.3-Dichloropropene                                     | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Dibromochloromethane                                        | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Dibromomethane                                              | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Dichlorodifluoromethane                                     | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Ethylbenzene                                                | 0.1 | mg/kg | -                    | < 0.1                | < 0.1                | -                    |
| Iodomethane                                                 | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Isopropyl benzene (Cumene)                                  | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| m&p-Xylenes                                                 | 0.2 | mg/kg | -                    | < 0.2                | < 0.2                | -                    |
| Methylene Chloride                                          | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| o-Xylene                                                    | 0.1 | mg/kg | -                    | < 0.1                | < 0.1                | -                    |
| Styrene                                                     | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Tetrachloroethene                                           | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Toluene                                                     | 0.1 | mg/kg | -                    | < 0.1                | < 0.1                | -                    |
| trans-1.2-Dichloroethene                                    | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| trans-1.3-Dichloropropene                                   | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Trichloroethene                                             | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Trichlorofluoromethane                                      | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Vinyl chloride                                              | 0.5 | mg/kg | -                    | < 0.5                | < 0.5                | -                    |
| Xylenes - Total                                             | 0.3 | mg/kg | -                    | < 0.3                | < 0.3                | -                    |
| Fluorobenzene (surr.)                                       | 1   | %     | -                    | 102                  | 99                   | -                    |
| 4-Bromofluorobenzene (surr.)                                | 1   | %     | -                    | 79                   | 81                   | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| TRH C6-C10                                                  | 20  | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20  | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50  | mg/kg | 370                  | < 50                 | < 50                 | < 50                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                      |                      |                      |                      |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5 | mg/kg | < 0.5                | 1.4                  | < 0.5                | < 0.5                |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5 | mg/kg | 0.6                  | 1.7                  | 0.6                  | 0.6                  |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5 | mg/kg | 1.2                  | 2.0                  | 1.2                  | 1.2                  |
| Acenaphthene                                                | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Acenaphthylene                                              | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Anthracene                                                  | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benz(a)anthracene                                           | 0.5 | mg/kg | < 0.5                | 1.2                  | < 0.5                | < 0.5                |
| Benzo(a)pyrene                                              | 0.5 | mg/kg | < 0.5                | 1.1                  | < 0.5                | < 0.5                |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5 | mg/kg | < 0.5                | 0.8                  | < 0.5                | < 0.5                |
| Benzo(g,h,i)perylene                                        | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benzo(k)fluoranthene                                        | 0.5 | mg/kg | < 0.5                | 1.0                  | < 0.5                | < 0.5                |
| Chrysene                                                    | 0.5 | mg/kg | < 0.5                | 1.1                  | < 0.5                | < 0.5                |
| Dibenz(a,h)anthracene                                       | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Fluoranthene                                                | 0.5 | mg/kg | < 0.5                | 1.9                  | < 0.5                | < 0.5                |
| Fluorene                                                    | 0.5 | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |

| Client Sample ID                                            |      |          | BH03 1.0-2.0<br>Soil | BH04 0.0-1.0<br>Soil | BH04 1.0-2.0<br>Soil | BH04 2.0-4.0<br>Soil |
|-------------------------------------------------------------|------|----------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |          | S15-De06586          | S15-De06587          | S15-De06588          | S15-De06589          |
| Eurofins   mgt Sample No.                                   |      |          | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |          |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit     |                      |                      |                      |                      |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |          |                      |                      |                      |                      |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Naphthalene                                                 | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Phenanthrene                                                | 0.5  | mg/kg    | < 0.5                | 1.1                  | < 0.5                | < 0.5                |
| Pyrene                                                      | 0.5  | mg/kg    | < 0.5                | 1.8                  | < 0.5                | < 0.5                |
| Total PAH*                                                  | 0.5  | mg/kg    | < 0.5                | 10                   | < 0.5                | < 0.5                |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %        | 94                   | 97                   | 76                   | 81                   |
| p-Terphenyl-d14 (surr.)                                     | 1    | %        | 102                  | 94                   | 84                   | 90                   |
| <b>Organochlorine Pesticides</b>                            |      |          |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg    | -                    | < 0.1                | -                    | -                    |
| 4,4'-DDD                                                    | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| 4,4'-DDE                                                    | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| 4,4'-DDT                                                    | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| a-BHC                                                       | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Aldrin                                                      | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| b-BHC                                                       | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| d-BHC                                                       | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Dieldrin                                                    | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Endosulfan I                                                | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Endosulfan II                                               | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Endosulfan sulphate                                         | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Endrin                                                      | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Endrin aldehyde                                             | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Endrin ketone                                               | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| g-BHC (Lindane)                                             | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Heptachlor                                                  | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Heptachlor epoxide                                          | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Hexachlorobenzene                                           | 0.05 | mg/kg    | -                    | < 0.05               | -                    | -                    |
| Methoxychlor                                                | 0.2  | mg/kg    | -                    | < 0.2                | -                    | -                    |
| Toxaphene                                                   | 1    | mg/kg    | -                    | < 1                  | -                    | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %        | -                    | 101                  | -                    | -                    |
| Tetrachloro-m-xylene (surr.)                                | 1    | %        | -                    | 84                   | -                    | -                    |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |          |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg    | -                    | < 0.5                | -                    | -                    |
| Aroclor-1232                                                | 0.5  | mg/kg    | -                    | < 0.5                | -                    | -                    |
| Aroclor-1242                                                | 0.5  | mg/kg    | -                    | < 0.5                | -                    | -                    |
| Aroclor-1248                                                | 0.5  | mg/kg    | -                    | < 0.5                | -                    | -                    |
| Aroclor-1254                                                | 0.5  | mg/kg    | -                    | < 0.5                | -                    | -                    |
| Aroclor-1260                                                | 0.5  | mg/kg    | -                    | < 0.5                | -                    | -                    |
| Total PCB*                                                  | 0.5  | mg/kg    | -                    | < 0.5                | -                    | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %        | -                    | 101                  | -                    | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg    | 370                  | < 50                 | < 50                 | < 50                 |
| TRH >C16-C34                                                | 100  | mg/kg    | 3600                 | < 100                | < 100                | < 100                |
| TRH >C34-C40                                                | 100  | mg/kg    | 520                  | < 100                | < 100                | < 100                |
|                                                             |      |          |                      |                      |                      |                      |
| Conductivity (1:5 aqueous extract at 25°C)                  | 10   | uS/cm    | -                    | 86                   | -                    | -                    |
| pH (1:5 Aqueous extract)                                    | 0.1  | pH Units | -                    | 8.1                  | -                    | -                    |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %        | -                    | 5.4                  | -                    | -                    |
| % Moisture                                                  | 0.1  | %        | 7.2                  | 21                   | 25                   | 18                   |

|                                  |      |          |                     |                     |                     |                     |
|----------------------------------|------|----------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |      |          | <b>BH03 1.0-2.0</b> | <b>BH04 0.0-1.0</b> | <b>BH04 1.0-2.0</b> | <b>BH04 2.0-4.0</b> |
| <b>Sample Matrix</b>             |      |          | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         |
| <b>Eurofins   mgt Sample No.</b> |      |          | <b>S15-De06586</b>  | <b>S15-De06587</b>  | <b>S15-De06588</b>  | <b>S15-De06589</b>  |
| <b>Date Sampled</b>              |      |          | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> |
| Test/Reference                   | LOR  | Unit     |                     |                     |                     |                     |
| <b>Ion Exchange Properties</b>   |      |          |                     |                     |                     |                     |
| Cation Exchange Capacity         | 0.05 | meq/100g | -                   | 13                  | -                   | -                   |
| <b>Heavy Metals</b>              |      |          |                     |                     |                     |                     |
| Arsenic                          | 2    | mg/kg    | < 2                 | 3.6                 | 8.1                 | < 2                 |
| Cadmium                          | 0.4  | mg/kg    | < 0.4               | < 0.4               | < 0.4               | < 0.4               |
| Chromium                         | 5    | mg/kg    | < 5                 | 5.4                 | 18                  | < 5                 |
| Copper                           | 5    | mg/kg    | < 5                 | 58                  | 6.5                 | < 5                 |
| Lead                             | 5    | mg/kg    | < 5                 | 15000               | 20                  | 6.0                 |
| Mercury                          | 0.05 | mg/kg    | < 0.05              | 0.23                | 0.54                | < 0.05              |
| Nickel                           | 5    | mg/kg    | < 5                 | < 5                 | < 5                 | < 5                 |
| Zinc                             | 5    | mg/kg    | 5.1                 | 200                 | 15                  | < 5                 |

|                                                             |      |       |                     |                     |                     |                     |
|-------------------------------------------------------------|------|-------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>                                     |      |       | <b>BH04 5.0-5.5</b> | <b>BH04 5.5-6.0</b> | <b>BH05 0.0-0.1</b> | <b>BH05 1.0-2.1</b> |
| <b>Sample Matrix</b>                                        |      |       | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         |
| <b>Eurofins   mgt Sample No.</b>                            |      |       | <b>S15-De06590</b>  | <b>S15-De06591</b>  | <b>S15-De06592</b>  | <b>S15-De06593</b>  |
| <b>Date Sampled</b>                                         |      |       | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> |
| Test/Reference                                              | LOR  | Unit  |                     |                     |                     |                     |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                     |                     |                     |                     |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                | < 20                | < 20                | < 20                |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                | < 20                | < 20                | < 20                |
| TRH C15-C28                                                 | 50   | mg/kg | < 50                | < 50                | 89                  | < 50                |
| TRH C29-C36                                                 | 50   | mg/kg | < 50                | < 50                | 76                  | < 50                |
| TRH C10-36 (Total)                                          | 50   | mg/kg | < 50                | < 50                | 170                 | < 50                |
| <b>Volatile Organics</b>                                    |      |       |                     |                     |                     |                     |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | < 5                 | -                   | < 5                 | -                   |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| Allyl chloride                                              | 0.05 | mg/kg | < 0.05              | -                   | < 0.05              | -                   |
| Benzene                                                     | 0.1  | mg/kg | < 0.1               | -                   | < 0.1               | -                   |
| Bromobenzene                                                | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| Bromochloromethane                                          | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |
| Bromodichloromethane                                        | 0.5  | mg/kg | < 0.5               | -                   | < 0.5               | -                   |



| Client Sample ID                                            |     |       | BH04 5.0-5.5<br>Soil<br>S15-De06590<br>Dec 06, 2015 | BH04 5.5-6.0<br>Soil<br>S15-De06591<br>Dec 06, 2015 | BH05 0.0-0.1<br>Soil<br>S15-De06592<br>Dec 06, 2015 | BH05 1.0-2.1<br>Soil<br>S15-De06593<br>Dec 06, 2015 |
|-------------------------------------------------------------|-----|-------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Sample Matrix                                               |     |       |                                                     |                                                     |                                                     |                                                     |
| Eurofins   mgt Sample No.                                   |     |       |                                                     |                                                     |                                                     |                                                     |
| Date Sampled                                                |     |       |                                                     |                                                     |                                                     |                                                     |
| Test/Reference                                              | LOR | Unit  |                                                     |                                                     |                                                     |                                                     |
| <b>Volatile Organics</b>                                    |     |       |                                                     |                                                     |                                                     |                                                     |
| Bromoform                                                   | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Bromomethane                                                | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Carbon disulfide                                            | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Carbon Tetrachloride                                        | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Chlorobenzene                                               | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Chloroethane                                                | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Chloroform                                                  | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Chloromethane                                               | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| cis-1.2-Dichloroethene                                      | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| cis-1.3-Dichloropropene                                     | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Dibromochloromethane                                        | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Dibromomethane                                              | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Dichlorodifluoromethane                                     | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Ethylbenzene                                                | 0.1 | mg/kg | < 0.1                                               | -                                                   | < 0.1                                               | -                                                   |
| Iodomethane                                                 | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Isopropyl benzene (Cumene)                                  | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| m&p-Xylenes                                                 | 0.2 | mg/kg | < 0.2                                               | -                                                   | < 0.2                                               | -                                                   |
| Methylene Chloride                                          | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| o-Xylene                                                    | 0.1 | mg/kg | < 0.1                                               | -                                                   | < 0.1                                               | -                                                   |
| Styrene                                                     | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Tetrachloroethene                                           | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Toluene                                                     | 0.1 | mg/kg | < 0.1                                               | -                                                   | < 0.1                                               | -                                                   |
| trans-1.2-Dichloroethene                                    | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| trans-1.3-Dichloropropene                                   | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Trichloroethene                                             | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Trichlorofluoromethane                                      | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Vinyl chloride                                              | 0.5 | mg/kg | < 0.5                                               | -                                                   | < 0.5                                               | -                                                   |
| Xylenes - Total                                             | 0.3 | mg/kg | < 0.3                                               | -                                                   | < 0.3                                               | -                                                   |
| Fluorobenzene (surr.)                                       | 1   | %     | 105                                                 | -                                                   | 105                                                 | -                                                   |
| 4-Bromofluorobenzene (surr.)                                | 1   | %     | 95                                                  | -                                                   | 97                                                  | -                                                   |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                                                     |                                                     |                                                     |                                                     |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | < 0.5                                               |
| TRH C6-C10                                                  | 20  | mg/kg | < 20                                                | < 20                                                | < 20                                                | < 20                                                |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20  | mg/kg | < 20                                                | < 20                                                | < 20                                                | < 20                                                |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50  | mg/kg | < 50                                                | < 50                                                | < 50                                                | < 50                                                |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                                                     |                                                     |                                                     |                                                     |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | 2.4                                                 | < 0.5                                               |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5 | mg/kg | 0.6                                                 | 0.6                                                 | 2.6                                                 | 0.6                                                 |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5 | mg/kg | 1.2                                                 | 1.2                                                 | 2.9                                                 | 1.2                                                 |
| Acenaphthene                                                | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | < 0.5                                               |
| Acenaphthylene                                              | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | < 0.5                                               |
| Anthracene                                                  | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | < 0.5                                               |
| Benz(a)anthracene                                           | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | 1.7                                                 | < 0.5                                               |
| Benzo(a)pyrene                                              | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | 1.8                                                 | < 0.5                                               |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | 1.4                                                 | < 0.5                                               |
| Benzo(g,h,i)perylene                                        | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | 0.9                                                 | < 0.5                                               |
| Benzo(k)fluoranthene                                        | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | 1.7                                                 | < 0.5                                               |
| Chrysene                                                    | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | 1.6                                                 | < 0.5                                               |
| Dibenz(a,h)anthracene                                       | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | < 0.5                                               |

| Client Sample ID                                            |      |       | BH04 5.0-5.5<br>Soil | BH04 5.5-6.0<br>Soil | BH05 0.0-0.1<br>Soil | BH05 1.0-2.1<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06590          | S15-De06591          | S15-De06592          | S15-De06593          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                      |                      |                      |                      |
| Fluoranthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | 3.4                  | 0.8                  |
| Fluorene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | 0.7                  | < 0.5                |
| Naphthalene                                                 | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Phenanthrene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | 2.1                  | 0.8                  |
| Pyrene                                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | 3.2                  | 0.8                  |
| Total PAH*                                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | 19                   | 2.4                  |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 74                   | 76                   | 76                   | 79                   |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 82                   | 85                   | 88                   | 89                   |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg | < 0.1                | -                    | < 0.1                | -                    |
| 4,4'-DDD                                                    | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| 4,4'-DDE                                                    | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| 4,4'-DDT                                                    | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| a-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Aldrin                                                      | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| b-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| d-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Dieldrin                                                    | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Endosulfan I                                                | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Endosulfan II                                               | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Endosulfan sulphate                                         | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Endrin                                                      | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Endrin aldehyde                                             | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Endrin ketone                                               | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| g-BHC (Lindane)                                             | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Heptachlor                                                  | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Heptachlor epoxide                                          | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Hexachlorobenzene                                           | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Methoxychlor                                                | 0.2  | mg/kg | < 0.2                | -                    | < 0.2                | -                    |
| Toxaphene                                                   | 1    | mg/kg | < 1                  | -                    | < 1                  | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %     | 98                   | -                    | 104                  | -                    |
| Tetrachloro-m-xylene (surr.)                                | 1    | %     | 104                  | -                    | 78                   | -                    |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |       |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1232                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1242                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1248                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1254                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1260                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Total PCB*                                                  | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %     | 98                   | -                    | 104                  | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH >C16-C34                                                | 100  | mg/kg | < 100                | < 100                | 150                  | < 100                |
| TRH >C34-C40                                                | 100  | mg/kg | < 100                | < 100                | < 100                | < 100                |

| Client Sample ID                                              |      |            | BH04 5.0-5.5 | BH04 5.5-6.0 | BH05 0.0-0.1 | BH05 1.0-2.1 |
|---------------------------------------------------------------|------|------------|--------------|--------------|--------------|--------------|
| Sample Matrix                                                 |      |            | Soil         | Soil         | Soil         | Soil         |
| Eurofins   mgt Sample No.                                     |      |            | S15-De06590  | S15-De06591  | S15-De06592  | S15-De06593  |
| Date Sampled                                                  |      |            | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                                | LOR  | Unit       |              |              |              |              |
| Conductivity (1:5 aqueous extract at 25°C)                    | 10   | uS/cm      | -            | -            | 140          | -            |
| pH (1:5 Aqueous extract)                                      | 0.1  | pH Units   | -            | -            | 8.8          | -            |
| Total Organic Carbon <sup>M10</sup>                           | 0.1  | %          | -            | -            | 2.3          | -            |
| % Moisture                                                    | 0.1  | %          | 7.7          | 10           | 9.3          | 12           |
| <b>Ion Exchange Properties</b>                                |      |            |              |              |              |              |
| Cation Exchange Capacity                                      | 0.05 | meq/100g   | -            | -            | 37           | -            |
| <b>Heavy Metals</b>                                           |      |            |              |              |              |              |
| Arsenic                                                       | 2    | mg/kg      | 14           | 5.5          | 2.4          | 4.2          |
| Cadmium                                                       | 0.4  | mg/kg      | < 0.4        | < 0.4        | < 0.4        | < 0.4        |
| Chromium                                                      | 5    | mg/kg      | 7.1          | 6.4          | 9.7          | 32           |
| Copper                                                        | 5    | mg/kg      | 20           | 25           | 55           | 29           |
| Lead                                                          | 5    | mg/kg      | < 5          | 7.3          | 110          | 68           |
| Mercury                                                       | 0.05 | mg/kg      | < 0.05       | 0.05         | 0.09         | 0.07         |
| Nickel                                                        | 5    | mg/kg      | < 5          | 16           | < 5          | 9.9          |
| Zinc                                                          | 5    | mg/kg      | < 5          | 59           | 69           | 90           |
| <b>SPOCAS Suite</b>                                           |      |            |              |              |              |              |
| pH-KCL                                                        | 0.1  | pH Units   | -            | 4.6          | -            | -            |
| pH-OX                                                         | 0.1  | pH Units   | -            | 5.1          | -            | -            |
| Acid trail - Titratable Actual Acidity                        | 2    | mol H+/t   | -            | 29           | -            | -            |
| Acid trail - Titratable Peroxide Acidity                      | 2    | mol H+/t   | -            | 60           | -            | -            |
| Acid trail - Titratable Sulfidic Acidity                      | 2    | mol H+/t   | -            | 31           | -            | -            |
| sulfidic - TAA equiv. S% pyrite                               | 0.02 | % pyrite S | -            | 0.05         | -            | -            |
| sulfidic - TPA equiv. S% pyrite                               | 0.02 | % pyrite S | -            | 0.10         | -            | -            |
| sulfidic - TSA equiv. S% pyrite                               | 0.02 | % pyrite S | -            | 0.05         | -            | -            |
| Sulfur - KCl Extractable                                      | 0.02 | % S        | -            | < 0.02       | -            | -            |
| Sulfur - Peroxide                                             | 0.02 | % S        | -            | < 0.02       | -            | -            |
| Sulfur - Peroxide Oxidisable Sulfur                           | 0.02 | % S        | -            | < 0.02       | -            | -            |
| acidity - Peroxide Oxidisable Sulfur                          | 10   | mol H+/t   | -            | < 10         | -            | -            |
| HCl Extractable Sulfur                                        | 0.02 | % S        | -            | n/a          | -            | -            |
| Net Acid soluble sulfur                                       | 0.02 | % S        | -            | n/a          | -            | -            |
| Net Acid soluble sulfur - acidity units                       | 10   | mol H+/t   | -            | n/a          | -            | -            |
| Net Acid soluble sulfur - equivalent S% pyrite <sup>S02</sup> | 0.02 | % S        | -            | n/a          | -            | -            |
| Calcium - KCl Extractable                                     | 0.02 | % Ca       | -            | < 0.02       | -            | -            |
| Calcium - Peroxide                                            | 0.02 | % Ca       | -            | < 0.02       | -            | -            |
| Acid Reacted Calcium                                          | 0.02 | % Ca       | -            | < 0.02       | -            | -            |
| acidity - Acid Reacted Calcium                                | 10   | mol H+/t   | -            | < 10         | -            | -            |
| sulfidic - Acid Reacted Ca equiv. S% pyrite                   | 0.02 | % S        | -            | < 0.02       | -            | -            |
| Magnesium - KCl Extractable                                   | 0.02 | % Mg       | -            | 0.04         | -            | -            |
| Magnesium - Peroxide                                          | 0.02 | % Mg       | -            | 0.04         | -            | -            |
| Acid Reacted Magnesium                                        | 0.02 | % Mg       | -            | < 0.02       | -            | -            |
| acidity - Acid Reacted Magnesium                              | 10   | mol H+/t   | -            | < 10         | -            | -            |
| sulfidic - Acid Reacted Mg equiv. S% pyrite                   | 0.02 | % S        | -            | < 0.02       | -            | -            |
| Acid Neutralising Capacity                                    | 0.02 | %CaCO3     | -            | n/a          | -            | -            |
| Acid Neutralising Capacity - Acidity units                    | 10   | mol H+/t   | -            | n/a          | -            | -            |
| Acid Neutralising Capacity equivalent S% pyrite               | 0.02 | % S        | -            | n/a          | -            | -            |
| ANC Fineness Factor                                           |      | factor     | -            | 1.5          | -            | -            |
| Net Acidity (sulfur units) - SPOCAS                           | 0.02 | % S        | -            | 0.05         | -            | -            |
| Net Acidity (acidity units) - SPOCAS                          | 10   | mol H+/t   | -            | 29           | -            | -            |
| Liming rate - SPOCAS                                          | 1    | kg CaCO3/t | -            | 2.0          | -            | -            |

|                                  |       |      |                     |                     |                     |                     |
|----------------------------------|-------|------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |       |      | <b>BH04 5.0-5.5</b> | <b>BH04 5.5-6.0</b> | <b>BH05 0.0-0.1</b> | <b>BH05 1.0-2.1</b> |
| <b>Sample Matrix</b>             |       |      | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         |
| <b>Eurofins   mgt Sample No.</b> |       |      | <b>S15-De06590</b>  | <b>S15-De06591</b>  | <b>S15-De06592</b>  | <b>S15-De06593</b>  |
| <b>Date Sampled</b>              |       |      | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> |
| Test/Reference                   | LOR   | Unit |                     |                     |                     |                     |
| <b>Extraneous Material</b>       |       |      |                     |                     |                     |                     |
| <2mm Fraction                    | 0.005 | g    | -                   | n/a                 | -                   | -                   |
| >2mm Fraction                    | 0.005 | g    | -                   | n/a                 | -                   | -                   |
| Analysed Material                | 0.1   | %    | -                   | 100                 | -                   | -                   |
| Extraneous Material              | 0.1   | %    | -                   | < 0.1               | -                   | -                   |

|                                                             |      |       |                     |                     |                     |                     |
|-------------------------------------------------------------|------|-------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>                                     |      |       | <b>BH06 0.0-0.5</b> | <b>BH07 0.0-1.0</b> | <b>BH07 1.0-1.5</b> | <b>BH07 2.0-3.0</b> |
| <b>Sample Matrix</b>                                        |      |       | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         | <b>Soil</b>         |
| <b>Eurofins   mgt Sample No.</b>                            |      |       | <b>S15-De06595</b>  | <b>S15-De06596</b>  | <b>S15-De06597</b>  | <b>S15-De06598</b>  |
| <b>Date Sampled</b>                                         |      |       | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> | <b>Dec 06, 2015</b> |
| Test/Reference                                              | LOR  | Unit  |                     |                     |                     |                     |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                     |                     |                     |                     |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                | < 20                | < 20                | -                   |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                | < 20                | < 20                | -                   |
| TRH C15-C28                                                 | 50   | mg/kg | < 50                | < 50                | < 50                | -                   |
| TRH C29-C36                                                 | 50   | mg/kg | < 50                | < 50                | < 50                | -                   |
| TRH C10-36 (Total)                                          | 50   | mg/kg | < 50                | < 50                | < 50                | -                   |
| <b>Volatile Organics</b>                                    |      |       |                     |                     |                     |                     |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | < 5                 | < 5                 | -                   | -                   |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Allyl chloride                                              | 0.05 | mg/kg | < 0.05              | < 0.05              | -                   | -                   |
| Benzene                                                     | 0.1  | mg/kg | < 0.1               | < 0.1               | -                   | -                   |
| Bromobenzene                                                | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Bromochloromethane                                          | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Bromodichloromethane                                        | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Bromoform                                                   | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Bromomethane                                                | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Carbon disulfide                                            | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Chlorobenzene                                               | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |
| Chloroethane                                                | 0.5  | mg/kg | < 0.5               | < 0.5               | -                   | -                   |

| Client Sample ID                                            |     |       | BH06 0.0-0.5<br>Soil<br>S15-De06595<br>Dec 06, 2015 | BH07 0.0-1.0<br>Soil<br>S15-De06596<br>Dec 06, 2015 | BH07 1.0-1.5<br>Soil<br>S15-De06597<br>Dec 06, 2015 | BH07 2.0-3.0<br>Soil<br>S15-De06598<br>Dec 06, 2015 |
|-------------------------------------------------------------|-----|-------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Sample Matrix                                               |     |       |                                                     |                                                     |                                                     |                                                     |
| Eurofins   mgt Sample No.                                   |     |       |                                                     |                                                     |                                                     |                                                     |
| Date Sampled                                                |     |       |                                                     |                                                     |                                                     |                                                     |
| Test/Reference                                              | LOR | Unit  |                                                     |                                                     |                                                     |                                                     |
| <b>Volatile Organics</b>                                    |     |       |                                                     |                                                     |                                                     |                                                     |
| Chloroform                                                  | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Chloromethane                                               | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| cis-1.2-Dichloroethene                                      | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| cis-1.3-Dichloropropene                                     | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Dibromochloromethane                                        | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Dibromomethane                                              | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Dichlorodifluoromethane                                     | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Ethylbenzene                                                | 0.1 | mg/kg | < 0.1                                               | < 0.1                                               | -                                                   | -                                                   |
| Iodomethane                                                 | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Isopropyl benzene (Cumene)                                  | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| m&p-Xylenes                                                 | 0.2 | mg/kg | < 0.2                                               | < 0.2                                               | -                                                   | -                                                   |
| Methylene Chloride                                          | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| o-Xylene                                                    | 0.1 | mg/kg | < 0.1                                               | < 0.1                                               | -                                                   | -                                                   |
| Styrene                                                     | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Tetrachloroethene                                           | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Toluene                                                     | 0.1 | mg/kg | < 0.1                                               | < 0.1                                               | -                                                   | -                                                   |
| trans-1.2-Dichloroethene                                    | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| trans-1.3-Dichloropropene                                   | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Trichloroethene                                             | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Trichlorofluoromethane                                      | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Vinyl chloride                                              | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Xylenes - Total                                             | 0.3 | mg/kg | < 0.3                                               | < 0.3                                               | -                                                   | -                                                   |
| Fluorobenzene (surr.)                                       | 1   | %     | 103                                                 | 103                                                 | -                                                   | -                                                   |
| 4-Bromofluorobenzene (surr.)                                | 1   | %     | 84                                                  | 90                                                  | -                                                   | -                                                   |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |     |       |                                                     |                                                     |                                                     |                                                     |
| Naphthalene <sup>N02</sup>                                  | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| TRH C6-C10                                                  | 20  | mg/kg | < 20                                                | < 20                                                | < 20                                                | -                                                   |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20  | mg/kg | < 20                                                | < 20                                                | < 20                                                | -                                                   |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50  | mg/kg | < 50                                                | < 50                                                | < 50                                                | -                                                   |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |     |       |                                                     |                                                     |                                                     |                                                     |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5 | mg/kg | < 0.5                                               | 0.6                                                 | < 0.5                                               | -                                                   |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5 | mg/kg | 0.6                                                 | 1.0                                                 | 0.6                                                 | -                                                   |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5 | mg/kg | 1.2                                                 | 1.3                                                 | 1.2                                                 | -                                                   |
| Acenaphthene                                                | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Acenaphthylene                                              | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Anthracene                                                  | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Benz(a)anthracene                                           | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Benzo(a)pyrene                                              | 0.5 | mg/kg | < 0.5                                               | 0.6                                                 | < 0.5                                               | -                                                   |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Benzo(g,h,i)perylene                                        | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Benzo(k)fluoranthene                                        | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Chrysene                                                    | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Dibenz(a,h)anthracene                                       | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Fluoranthene                                                | 0.5 | mg/kg | < 0.5                                               | 0.9                                                 | < 0.5                                               | -                                                   |
| Fluorene                                                    | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Indeno(1.2.3-cd)pyrene                                      | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Naphthalene                                                 | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Phenanthrene                                                | 0.5 | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | -                                                   |
| Pyrene                                                      | 0.5 | mg/kg | < 0.5                                               | 0.9                                                 | < 0.5                                               | -                                                   |



| Client Sample ID                                            |      |          | BH06 0.0-0.5 | BH07 0.0-1.0 | BH07 1.0-1.5 | BH07 2.0-3.0 |
|-------------------------------------------------------------|------|----------|--------------|--------------|--------------|--------------|
| Sample Matrix                                               |      |          | Soil         | Soil         | Soil         | Soil         |
| Eurofins   mgt Sample No.                                   |      |          | S15-De06595  | S15-De06596  | S15-De06597  | S15-De06598  |
| Date Sampled                                                |      |          | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                              | LOR  | Unit     |              |              |              |              |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |          |              |              |              |              |
| Total PAH*                                                  | 0.5  | mg/kg    | < 0.5        | 2.4          | < 0.5        | -            |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %        | 74           | 76           | 78           | -            |
| p-Terphenyl-d14 (surr.)                                     | 1    | %        | 82           | 85           | 85           | -            |
| <b>Organochlorine Pesticides</b>                            |      |          |              |              |              |              |
| Chlordanes - Total                                          | 0.1  | mg/kg    | < 0.1        | < 0.1        | -            | -            |
| 4,4'-DDD                                                    | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| 4,4'-DDE                                                    | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| 4,4'-DDT                                                    | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| a-BHC                                                       | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Aldrin                                                      | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| b-BHC                                                       | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| d-BHC                                                       | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Dieldrin                                                    | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Endosulfan I                                                | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Endosulfan II                                               | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Endosulfan sulphate                                         | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Endrin                                                      | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Endrin aldehyde                                             | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Endrin ketone                                               | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| g-BHC (Lindane)                                             | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Heptachlor                                                  | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Heptachlor epoxide                                          | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Hexachlorobenzene                                           | 0.05 | mg/kg    | < 0.05       | < 0.05       | -            | -            |
| Methoxychlor                                                | 0.2  | mg/kg    | < 0.2        | < 0.2        | -            | -            |
| Toxaphene                                                   | 1    | mg/kg    | < 1          | < 1          | -            | -            |
| Dibutylchloredate (surr.)                                   | 1    | %        | 86           | 105          | -            | -            |
| Tetrachloro-m-xylene (surr.)                                | 1    | %        | 74           | 87           | -            | -            |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |          |              |              |              |              |
| Aroclor-1016                                                | 0.5  | mg/kg    | < 0.5        | < 0.5        | -            | -            |
| Aroclor-1232                                                | 0.5  | mg/kg    | < 0.5        | < 0.5        | -            | -            |
| Aroclor-1242                                                | 0.5  | mg/kg    | < 0.5        | < 0.5        | -            | -            |
| Aroclor-1248                                                | 0.5  | mg/kg    | < 0.5        | < 0.5        | -            | -            |
| Aroclor-1254                                                | 0.5  | mg/kg    | < 0.5        | < 0.5        | -            | -            |
| Aroclor-1260                                                | 0.5  | mg/kg    | < 0.5        | < 0.5        | -            | -            |
| Total PCB*                                                  | 0.5  | mg/kg    | < 0.5        | < 0.5        | -            | -            |
| Dibutylchloredate (surr.)                                   | 1    | %        | 86           | 105          | -            | -            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |              |              |              |              |
| TRH >C10-C16                                                | 50   | mg/kg    | < 50         | < 50         | < 50         | -            |
| TRH >C16-C34                                                | 100  | mg/kg    | < 100        | < 100        | < 100        | -            |
| TRH >C34-C40                                                | 100  | mg/kg    | < 100        | < 100        | < 100        | -            |
|                                                             |      |          |              |              |              |              |
| Conductivity (1:5 aqueous extract at 25°C)                  | 10   | uS/cm    | -            | 120          | -            | -            |
| pH (1:5 Aqueous extract)                                    | 0.1  | pH Units | -            | 9.9          | -            | -            |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %        | 5.9          | 0.7          | -            | -            |
| % Moisture                                                  | 0.1  | %        | 7.6          | 9.1          | 15           | 17           |
| <b>Ion Exchange Properties</b>                              |      |          |              |              |              |              |
| Cation Exchange Capacity                                    | 0.05 | meq/100g | -            | 41           | -            | -            |

| Client Sample ID                                              |       |            | BH06 0.0-0.5<br>Soil | BH07 0.0-1.0<br>Soil | BH07 1.0-1.5<br>Soil | BH07 2.0-3.0<br>Soil |
|---------------------------------------------------------------|-------|------------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                                 |       |            | S15-De06595          | S15-De06596          | S15-De06597          | S15-De06598          |
| Eurofins   mgt Sample No.                                     |       |            | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                  |       |            |                      |                      |                      |                      |
| Test/Reference                                                | LOR   | Unit       |                      |                      |                      |                      |
| <b>Heavy Metals</b>                                           |       |            |                      |                      |                      |                      |
| Arsenic                                                       | 2     | mg/kg      | 25                   | 4.0                  | 9.0                  | -                    |
| Cadmium                                                       | 0.4   | mg/kg      | < 0.4                | < 0.4                | < 0.4                | -                    |
| Chromium                                                      | 5     | mg/kg      | 30                   | 12                   | 11                   | -                    |
| Copper                                                        | 5     | mg/kg      | 2100                 | 490                  | 1100                 | -                    |
| Lead                                                          | 5     | mg/kg      | 250                  | 140                  | 380                  | -                    |
| Mercury                                                       | 0.05  | mg/kg      | 0.13                 | 0.09                 | < 0.05               | -                    |
| Nickel                                                        | 5     | mg/kg      | 21                   | 17                   | < 5                  | -                    |
| Zinc                                                          | 5     | mg/kg      | 230                  | 180                  | 260                  | -                    |
| <b>SPOCAS Suite</b>                                           |       |            |                      |                      |                      |                      |
| pH-KCL                                                        | 0.1   | pH Units   | -                    | -                    | 5.2                  | 4.4                  |
| pH-OX                                                         | 0.1   | pH Units   | -                    | -                    | 5.9                  | 5.0                  |
| Acid trail - Titratable Actual Acidity                        | 2     | mol H+/t   | -                    | -                    | 17                   | 52                   |
| Acid trail - Titratable Peroxide Acidity                      | 2     | mol H+/t   | -                    | -                    | 14                   | 75                   |
| Acid trail - Titratable Sulfidic Acidity                      | 2     | mol H+/t   | -                    | -                    | < 2                  | 23                   |
| sulfidic - TAA equiv. S% pyrite                               | 0.02  | % pyrite S | -                    | -                    | 0.03                 | 0.08                 |
| sulfidic - TPA equiv. S% pyrite                               | 0.02  | % pyrite S | -                    | -                    | 0.02                 | 0.12                 |
| sulfidic - TSA equiv. S% pyrite                               | 0.02  | % pyrite S | -                    | -                    | < 0.02               | 0.04                 |
| Sulfur - KCl Extractable                                      | 0.02  | % S        | -                    | -                    | < 0.02               | < 0.02               |
| Sulfur - Peroxide                                             | 0.02  | % S        | -                    | -                    | 0.02                 | < 0.02               |
| Sulfur - Peroxide Oxidisable Sulfur                           | 0.02  | % S        | -                    | -                    | 0.02                 | < 0.02               |
| acidity - Peroxide Oxidisable Sulfur                          | 10    | mol H+/t   | -                    | -                    | 13                   | < 10                 |
| HCl Extractable Sulfur                                        | 0.02  | % S        | -                    | -                    | n/a                  | < 0.02               |
| Net Acid soluble sulfur                                       | 0.02  | % S        | -                    | -                    | n/a                  | < 0.02               |
| Net Acid soluble sulfur - acidity units                       | 10    | mol H+/t   | -                    | -                    | n/a                  | < 10                 |
| Net Acid soluble sulfur - equivalent S% pyrite <sup>S02</sup> | 0.02  | % S        | -                    | -                    | n/a                  | < 0.02               |
| Calcium - KCl Extractable                                     | 0.02  | % Ca       | -                    | -                    | 0.15                 | < 0.02               |
| Calcium - Peroxide                                            | 0.02  | % Ca       | -                    | -                    | 0.16                 | < 0.02               |
| Acid Reacted Calcium                                          | 0.02  | % Ca       | -                    | -                    | < 0.02               | < 0.02               |
| acidity - Acid Reacted Calcium                                | 10    | mol H+/t   | -                    | -                    | < 10                 | < 10                 |
| sulfidic - Acid Reacted Ca equiv. S% pyrite                   | 0.02  | % S        | -                    | -                    | < 0.02               | < 0.02               |
| Magnesium - KCl Extractable                                   | 0.02  | % Mg       | -                    | -                    | 0.02                 | 0.03                 |
| Magnesium - Peroxide                                          | 0.02  | % Mg       | -                    | -                    | 0.03                 | 0.03                 |
| Acid Reacted Magnesium                                        | 0.02  | % Mg       | -                    | -                    | < 0.02               | < 0.02               |
| acidity - Acid Reacted Magnesium                              | 10    | mol H+/t   | -                    | -                    | < 10                 | < 10                 |
| sulfidic - Acid Reacted Mg equiv. S% pyrite                   | 0.02  | % S        | -                    | -                    | < 0.02               | < 0.02               |
| Acid Neutralising Capacity                                    | 0.02  | %CaCO3     | -                    | -                    | n/a                  | n/a                  |
| Acid Neutralising Capacity - Acidity units                    | 10    | mol H+/t   | -                    | -                    | n/a                  | n/a                  |
| Acid Neutralising Capacity equivalent S% pyrite               | 0.02  | % S        | -                    | -                    | n/a                  | n/a                  |
| ANC Fineness Factor                                           |       | factor     | -                    | -                    | 1.5                  | 1.5                  |
| Net Acidity (sulfur units) - SPOCAS                           | 0.02  | % S        | -                    | -                    | 0.05                 | 0.08                 |
| Net Acidity (acidity units) - SPOCAS                          | 10    | mol H+/t   | -                    | -                    | 31                   | 52                   |
| Liming rate - SPOCAS                                          | 1     | kg CaCO3/t | -                    | -                    | 2.0                  | 4.0                  |
| <b>Extraneous Material</b>                                    |       |            |                      |                      |                      |                      |
| <2mm Fraction                                                 | 0.005 | g          | -                    | -                    | n/a                  | n/a                  |
| >2mm Fraction                                                 | 0.005 | g          | -                    | -                    | n/a                  | n/a                  |
| Analysed Material                                             | 0.1   | %          | -                    | -                    | 100                  | 100                  |
| Extraneous Material                                           | 0.1   | %          | -                    | -                    | < 0.1                | < 0.1                |

| Client Sample ID                                            |      |       | BH08 0.0-1.0<br>Soil | BH08 1.0-2.0<br>Soil | BH09 0.0-1.0<br>Soil | BH09 1.0-2.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06599          | S15-De06600          | S15-De06602          | S15-De06603          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C15-C28                                                 | 50   | mg/kg | 180                  | < 50                 | 250                  | 350                  |
| TRH C29-C36                                                 | 50   | mg/kg | 140                  | < 50                 | 790                  | 320                  |
| TRH C10-36 (Total)                                          | 50   | mg/kg | 320                  | < 50                 | 1000                 | 670                  |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | < 5                  | -                    | < 5                  | -                    |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Allyl chloride                                              | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Benzene                                                     | 0.1  | mg/kg | < 0.1                | -                    | < 0.1                | -                    |
| Bromobenzene                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Bromochloromethane                                          | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Bromodichloromethane                                        | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Bromoform                                                   | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Bromomethane                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Carbon disulfide                                            | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Chlorobenzene                                               | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Chloroethane                                                | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Chloroform                                                  | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Chloromethane                                               | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Dibromochloromethane                                        | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Dibromomethane                                              | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Ethylbenzene                                                | 0.1  | mg/kg | < 0.1                | -                    | < 0.1                | -                    |
| Iodomethane                                                 | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| m&p-Xylenes                                                 | 0.2  | mg/kg | < 0.2                | -                    | < 0.2                | -                    |
| Methylene Chloride                                          | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |

| Client Sample ID                                            |      |       | BH08 0.0-1.0<br>Soil | BH08 1.0-2.0<br>Soil | BH09 0.0-1.0<br>Soil | BH09 1.0-2.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06599          | S15-De06600          | S15-De06602          | S15-De06603          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| o-Xylene                                                    | 0.1  | mg/kg | < 0.1                | -                    | < 0.1                | -                    |
| Styrene                                                     | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Tetrachloroethene                                           | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Toluene                                                     | 0.1  | mg/kg | < 0.1                | -                    | < 0.1                | -                    |
| trans-1.2-Dichloroethene                                    | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| trans-1.3-Dichloropropene                                   | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Trichloroethene                                             | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Trichlorofluoromethane                                      | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Vinyl chloride                                              | 0.5  | mg/kg | < 0.5                | -                    | < 0.5                | -                    |
| Xylenes - Total                                             | 0.3  | mg/kg | < 0.3                | -                    | < 0.3                | -                    |
| Fluorobenzene (surr.)                                       | 1    | %     | 100                  | -                    | 106                  | -                    |
| 4-Bromofluorobenzene (surr.)                                | 1    | %     | 103                  | -                    | 90                   | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| TRH C6-C10                                                  | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                      |                      |                      |                      |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg | 1.8                  | 1.1                  | 1.3                  | 2.6                  |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg | 2.1                  | 1.4                  | 1.6                  | 2.9                  |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg | 2.3                  | 1.7                  | 1.8                  | 3.1                  |
| Acenaphthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Acenaphthylene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Anthracene                                                  | 0.5  | mg/kg | 0.5                  | < 0.5                | < 0.5                | 1.3                  |
| Benz(a)anthracene                                           | 0.5  | mg/kg | 1.9                  | 1.0                  | 1.1                  | 3.1                  |
| Benzo(a)pyrene                                              | 0.5  | mg/kg | 1.2                  | 0.9                  | 1.0                  | 1.8                  |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg | 1.7                  | 0.7                  | 0.8                  | 1.9                  |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg | 0.9                  | < 0.5                | 0.7                  | 1.4                  |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg | 1.6                  | 0.6                  | 0.8                  | 2.1                  |
| Chrysene                                                    | 0.5  | mg/kg | 1.5                  | 0.8                  | 0.9                  | 2.4                  |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Fluoranthene                                                | 0.5  | mg/kg | 4.5                  | 1.9                  | 2.1                  | 6.2                  |
| Fluorene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg | 0.6                  | < 0.5                | < 0.5                | 1.0                  |
| Naphthalene                                                 | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Phenanthrene                                                | 0.5  | mg/kg | 3.1                  | 1.2                  | 1.0                  | 3.5                  |
| Pyrene                                                      | 0.5  | mg/kg | 3.9                  | 1.9                  | 2.3                  | 6.6                  |
| Total PAH*                                                  | 0.5  | mg/kg | 21                   | 9.0                  | 11                   | 31                   |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 78                   | 82                   | 74                   | 79                   |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 90                   | 92                   | 88                   | 92                   |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg | < 0.1                | -                    | < 0.1                | -                    |
| 4.4'-DDD                                                    | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| 4.4'-DDE                                                    | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| 4.4'-DDT                                                    | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| a-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| Aldrin                                                      | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| b-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |
| d-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | < 0.05               | -                    |

| Client Sample ID                                            |      |          | BH08 0.0-1.0<br>Soil | BH08 1.0-2.0<br>Soil | BH09 0.0-1.0<br>Soil | BH09 1.0-2.0<br>Soil |
|-------------------------------------------------------------|------|----------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |          | S15-De06599          | S15-De06600          | S15-De06602          | S15-De06603          |
| Eurofins   mgt Sample No.                                   |      |          | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |          |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit     |                      |                      |                      |                      |
| <b>Organochlorine Pesticides</b>                            |      |          |                      |                      |                      |                      |
| Dieldrin                                                    | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Endosulfan I                                                | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Endosulfan II                                               | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Endosulfan sulphate                                         | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Endrin                                                      | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Endrin aldehyde                                             | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Endrin ketone                                               | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| g-BHC (Lindane)                                             | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Heptachlor                                                  | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Heptachlor epoxide                                          | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Hexachlorobenzene                                           | 0.05 | mg/kg    | < 0.05               | -                    | < 0.05               | -                    |
| Methoxychlor                                                | 0.2  | mg/kg    | < 0.2                | -                    | < 0.2                | -                    |
| Toxaphene                                                   | 1    | mg/kg    | < 1                  | -                    | < 1                  | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %        | 105                  | -                    | 108                  | -                    |
| Tetrachloro-m-xylene (surr.)                                | 1    | %        | 78                   | -                    | 109                  | -                    |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |          |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg    | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1232                                                | 0.5  | mg/kg    | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1242                                                | 0.5  | mg/kg    | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1248                                                | 0.5  | mg/kg    | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1254                                                | 0.5  | mg/kg    | < 0.5                | -                    | < 0.5                | -                    |
| Aroclor-1260                                                | 0.5  | mg/kg    | < 0.5                | -                    | < 0.5                | -                    |
| Total PCB*                                                  | 0.5  | mg/kg    | < 0.5                | -                    | < 0.5                | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %        | 105                  | -                    | 108                  | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg    | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH >C16-C34                                                | 100  | mg/kg    | 310                  | < 100                | 790                  | 610                  |
| TRH >C34-C40                                                | 100  | mg/kg    | < 100                | < 100                | 570                  | 160                  |
|                                                             |      |          |                      |                      |                      |                      |
| Conductivity (1:5 aqueous extract at 25°C)                  | 10   | uS/cm    | -                    | -                    | 150                  | -                    |
| pH (1:5 Aqueous extract)                                    | 0.1  | pH Units | -                    | -                    | 8.2                  | -                    |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %        | 2.9                  | -                    | 11                   | -                    |
| % Moisture                                                  | 0.1  | %        | 12                   | 10                   | 8.9                  | 13                   |
| <b>Ion Exchange Properties</b>                              |      |          |                      |                      |                      |                      |
| Cation Exchange Capacity                                    | 0.05 | meq/100g | -                    | -                    | 33                   | -                    |
| <b>Heavy Metals</b>                                         |      |          |                      |                      |                      |                      |
| Arsenic                                                     | 2    | mg/kg    | 13                   | 4.2                  | 12                   | 21                   |
| Cadmium                                                     | 0.4  | mg/kg    | 0.6                  | < 0.4                | < 0.4                | 0.5                  |
| Chromium                                                    | 5    | mg/kg    | 6.3                  | < 5                  | 12                   | 12                   |
| Copper                                                      | 5    | mg/kg    | 3000                 | 100                  | 1200                 | 2100                 |
| Lead                                                        | 5    | mg/kg    | 1200                 | 51                   | 1700                 | 4300                 |
| Mercury                                                     | 0.05 | mg/kg    | 0.27                 | 0.09                 | 17                   | 2.7                  |
| Nickel                                                      | 5    | mg/kg    | 7.5                  | < 5                  | 16                   | 22                   |
| Zinc                                                        | 5    | mg/kg    | 1100                 | 57                   | 440                  | 590                  |



| Client Sample ID                                            |      |       | BH09 2.0-3.0<br>Soil<br>S15-De06604<br>Dec 06, 2015 | BH09 3.0-4.0<br>Soil<br>S15-De06605<br>Dec 06, 2015 | BH09 6.0-6.5<br>Soil<br>S15-De06606<br>Dec 06, 2015 | BH09 8.0<br>Soil<br>S15-De06607<br>Dec 06, 2015 |
|-------------------------------------------------------------|------|-------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|
| Sample Matrix                                               |      |       |                                                     |                                                     |                                                     |                                                 |
| Eurofins   mgt Sample No.                                   |      |       |                                                     |                                                     |                                                     |                                                 |
| Date Sampled                                                |      |       |                                                     |                                                     |                                                     |                                                 |
| Test/Reference                                              | LOR  | Unit  |                                                     |                                                     |                                                     |                                                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                                                     |                                                     |                                                     |                                                 |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | -                                               |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | -                                               |
| TRH C15-C28                                                 | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | -                                               |
| TRH C29-C36                                                 | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | -                                               |
| TRH C10-36 (Total)                                          | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | -                                               |
| <b>Volatile Organics</b>                                    |      |       |                                                     |                                                     |                                                     |                                                 |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | -                                                   | -                                                   | < 5                                                 | -                                               |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Allyl chloride                                              | 0.05 | mg/kg | -                                                   | -                                                   | < 0.05                                              | -                                               |
| Benzene                                                     | 0.1  | mg/kg | -                                                   | -                                                   | < 0.1                                               | -                                               |
| Bromobenzene                                                | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Bromochloromethane                                          | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Bromodichloromethane                                        | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Bromoform                                                   | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Bromomethane                                                | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Carbon disulfide                                            | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Chlorobenzene                                               | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Chloroethane                                                | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Chloroform                                                  | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Chloromethane                                               | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Dibromochloromethane                                        | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Dibromomethane                                              | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Ethylbenzene                                                | 0.1  | mg/kg | -                                                   | -                                                   | < 0.1                                               | -                                               |
| Iodomethane                                                 | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |
| m&p-Xylenes                                                 | 0.2  | mg/kg | -                                                   | -                                                   | < 0.2                                               | -                                               |
| Methylene Chloride                                          | 0.5  | mg/kg | -                                                   | -                                                   | < 0.5                                               | -                                               |

| Client Sample ID                                            |      |          | BH09 2.0-3.0<br>Soil | BH09 3.0-4.0<br>Soil | BH09 6.0-6.5<br>Soil | BH09 8.0<br>Soil |
|-------------------------------------------------------------|------|----------|----------------------|----------------------|----------------------|------------------|
| Sample Matrix                                               |      |          | S15-De06604          | S15-De06605          | S15-De06606          | S15-De06607      |
| Eurofins   mgt Sample No.                                   |      |          | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015     |
| Date Sampled                                                |      |          |                      |                      |                      |                  |
| Test/Reference                                              | LOR  | Unit     |                      |                      |                      |                  |
| <b>Volatile Organics</b>                                    |      |          |                      |                      |                      |                  |
| o-Xylene                                                    | 0.1  | mg/kg    | -                    | -                    | < 0.1                | -                |
| Styrene                                                     | 0.5  | mg/kg    | -                    | -                    | < 0.5                | -                |
| Tetrachloroethene                                           | 0.5  | mg/kg    | -                    | -                    | < 0.5                | -                |
| Toluene                                                     | 0.1  | mg/kg    | -                    | -                    | < 0.1                | -                |
| trans-1.2-Dichloroethene                                    | 0.5  | mg/kg    | -                    | -                    | < 0.5                | -                |
| trans-1.3-Dichloropropene                                   | 0.5  | mg/kg    | -                    | -                    | < 0.5                | -                |
| Trichloroethene                                             | 0.5  | mg/kg    | -                    | -                    | < 0.5                | -                |
| Trichlorofluoromethane                                      | 0.5  | mg/kg    | -                    | -                    | < 0.5                | -                |
| Vinyl chloride                                              | 0.5  | mg/kg    | -                    | -                    | < 0.5                | -                |
| Xylenes - Total                                             | 0.3  | mg/kg    | -                    | -                    | < 0.3                | -                |
| Fluorobenzene (surr.)                                       | 1    | %        | -                    | -                    | 103                  | -                |
| 4-Bromofluorobenzene (surr.)                                | 1    | %        | -                    | -                    | 100                  | -                |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |                      |                      |                      |                  |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| TRH C6-C10                                                  | 20   | mg/kg    | < 20                 | < 20                 | < 20                 | -                |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg    | < 20                 | < 20                 | < 20                 | -                |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg    | < 50                 | < 50                 | < 50                 | -                |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |          |                      |                      |                      |                  |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg    | 0.6                  | 0.6                  | 0.6                  | -                |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg    | 1.2                  | 1.2                  | 1.2                  | -                |
| Acenaphthene                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Acenaphthylene                                              | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Anthracene                                                  | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Benz(a)anthracene                                           | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Benzo(a)pyrene                                              | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Chrysene                                                    | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Fluoranthene                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Fluorene                                                    | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Naphthalene                                                 | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Phenanthrene                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Pyrene                                                      | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| Total PAH*                                                  | 0.5  | mg/kg    | < 0.5                | < 0.5                | < 0.5                | -                |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %        | 76                   | 77                   | 94                   | -                |
| p-Terphenyl-d14 (surr.)                                     | 1    | %        | 87                   | 85                   | 103                  | -                |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |                      |                      |                      |                  |
| TRH >C10-C16                                                | 50   | mg/kg    | < 50                 | < 50                 | < 50                 | -                |
| TRH >C16-C34                                                | 100  | mg/kg    | < 100                | < 100                | < 100                | -                |
| TRH >C34-C40                                                | 100  | mg/kg    | < 100                | < 100                | < 100                | -                |
|                                                             |      |          |                      |                      |                      |                  |
| Conductivity (1:5 aqueous extract at 25°C)                  | 10   | uS/cm    | -                    | 120                  | -                    | -                |
| pH (1:5 Aqueous extract)                                    | 0.1  | pH Units | -                    | 6.2                  | -                    | -                |
| % Moisture                                                  | 0.1  | %        | 11                   | 13                   | 14                   | 13               |
| <b>Ion Exchange Properties</b>                              |      |          |                      |                      |                      |                  |
| Cation Exchange Capacity                                    | 0.05 | meq/100g | -                    | 4.5                  | -                    | -                |

| Client Sample ID                                              |       |            | BH09 2.0-3.0<br>Soil | BH09 3.0-4.0<br>Soil | BH09 6.0-6.5<br>Soil | BH09 8.0<br>Soil |
|---------------------------------------------------------------|-------|------------|----------------------|----------------------|----------------------|------------------|
| Sample Matrix                                                 |       |            | S15-De06604          | S15-De06605          | S15-De06606          | S15-De06607      |
| Eurofins   mgt Sample No.                                     |       |            | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015     |
| Date Sampled                                                  |       |            |                      |                      |                      |                  |
| Test/Reference                                                | LOR   | Unit       |                      |                      |                      |                  |
| <b>Heavy Metals</b>                                           |       |            |                      |                      |                      |                  |
| Arsenic                                                       | 2     | mg/kg      | 6.1                  | 2.8                  | 5.0                  | -                |
| Cadmium                                                       | 0.4   | mg/kg      | < 0.4                | < 0.4                | < 0.4                | -                |
| Chromium                                                      | 5     | mg/kg      | 6.9                  | 10                   | 8.2                  | -                |
| Copper                                                        | 5     | mg/kg      | 86                   | 6.9                  | 50                   | -                |
| Lead                                                          | 5     | mg/kg      | 110                  | 15                   | 150                  | -                |
| Mercury                                                       | 0.05  | mg/kg      | 0.13                 | < 0.05               | 0.10                 | -                |
| Nickel                                                        | 5     | mg/kg      | < 5                  | < 5                  | < 5                  | -                |
| Zinc                                                          | 5     | mg/kg      | 24                   | < 5                  | 17                   | -                |
| <b>SPOCAS Suite</b>                                           |       |            |                      |                      |                      |                  |
| pH-KCL                                                        | 0.1   | pH Units   | -                    | -                    | -                    | 4.5              |
| pH-OX                                                         | 0.1   | pH Units   | -                    | -                    | -                    | 5.0              |
| Acid trail - Titratable Actual Acidity                        | 2     | mol H+/t   | -                    | -                    | -                    | 49               |
| Acid trail - Titratable Peroxide Acidity                      | 2     | mol H+/t   | -                    | -                    | -                    | 66               |
| Acid trail - Titratable Sulfidic Acidity                      | 2     | mol H+/t   | -                    | -                    | -                    | 16               |
| sulfidic - TAA equiv. S% pyrite                               | 0.02  | % pyrite S | -                    | -                    | -                    | 0.08             |
| sulfidic - TPA equiv. S% pyrite                               | 0.02  | % pyrite S | -                    | -                    | -                    | 0.11             |
| sulfidic - TSA equiv. S% pyrite                               | 0.02  | % pyrite S | -                    | -                    | -                    | 0.03             |
| Sulfur - KCl Extractable                                      | 0.02  | % S        | -                    | -                    | -                    | < 0.02           |
| Sulfur - Peroxide                                             | 0.02  | % S        | -                    | -                    | -                    | < 0.02           |
| Sulfur - Peroxide Oxidisable Sulfur                           | 0.02  | % S        | -                    | -                    | -                    | < 0.02           |
| acidity - Peroxide Oxidisable Sulfur                          | 10    | mol H+/t   | -                    | -                    | -                    | < 10             |
| HCl Extractable Sulfur                                        | 0.02  | % S        | -                    | -                    | -                    | n/a              |
| Net Acid soluble sulfur                                       | 0.02  | % S        | -                    | -                    | -                    | n/a              |
| Net Acid soluble sulfur - acidity units                       | 10    | mol H+/t   | -                    | -                    | -                    | n/a              |
| Net Acid soluble sulfur - equivalent S% pyrite <sup>S02</sup> | 0.02  | % S        | -                    | -                    | -                    | n/a              |
| Calcium - KCl Extractable                                     | 0.02  | % Ca       | -                    | -                    | -                    | < 0.02           |
| Calcium - Peroxide                                            | 0.02  | % Ca       | -                    | -                    | -                    | < 0.02           |
| Acid Reacted Calcium                                          | 0.02  | % Ca       | -                    | -                    | -                    | < 0.02           |
| acidity - Acid Reacted Calcium                                | 10    | mol H+/t   | -                    | -                    | -                    | < 10             |
| sulfidic - Acid Reacted Ca equiv. S% pyrite                   | 0.02  | % S        | -                    | -                    | -                    | < 0.02           |
| Magnesium - KCl Extractable                                   | 0.02  | % Mg       | -                    | -                    | -                    | < 0.02           |
| Magnesium - Peroxide                                          | 0.02  | % Mg       | -                    | -                    | -                    | < 0.02           |
| Acid Reacted Magnesium                                        | 0.02  | % Mg       | -                    | -                    | -                    | < 0.02           |
| acidity - Acid Reacted Magnesium                              | 10    | mol H+/t   | -                    | -                    | -                    | < 10             |
| sulfidic - Acid Reacted Mg equiv. S% pyrite                   | 0.02  | % S        | -                    | -                    | -                    | < 0.02           |
| Acid Neutralising Capacity                                    | 0.02  | %CaCO3     | -                    | -                    | -                    | n/a              |
| Acid Neutralising Capacity - Acidity units                    | 10    | mol H+/t   | -                    | -                    | -                    | n/a              |
| Acid Neutralising Capacity equivalent S% pyrite               | 0.02  | % S        | -                    | -                    | -                    | n/a              |
| ANC Fineness Factor                                           |       | factor     | -                    | -                    | -                    | 1.5              |
| Net Acidity (sulfur units) - SPOCAS                           | 0.02  | % S        | -                    | -                    | -                    | 0.08             |
| Net Acidity (acidity units) - SPOCAS                          | 10    | mol H+/t   | -                    | -                    | -                    | 49               |
| Liming rate - SPOCAS                                          | 1     | kg CaCO3/t | -                    | -                    | -                    | 4.0              |
| <b>Extraneous Material</b>                                    |       |            |                      |                      |                      |                  |
| <2mm Fraction                                                 | 0.005 | g          | -                    | -                    | -                    | n/a              |
| >2mm Fraction                                                 | 0.005 | g          | -                    | -                    | -                    | n/a              |
| Analysed Material                                             | 0.1   | %          | -                    | -                    | -                    | 100              |
| Extraneous Material                                           | 0.1   | %          | -                    | -                    | -                    | < 0.1            |

| Client Sample ID                                            |      |       | BH10 0.0-1.0<br>Soil<br>S15-De06608<br>Dec 06, 2015 | BH12 0.0-1.0<br>Soil<br>S15-De06609<br>Dec 06, 2015 | BH12 1.0-2.0<br>Soil<br>S15-De06610<br>Dec 06, 2015 | BH12 2.0-3.0<br>Soil<br>S15-De06611<br>Dec 06, 2015 |
|-------------------------------------------------------------|------|-------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Sample Matrix                                               |      |       |                                                     |                                                     |                                                     |                                                     |
| Eurofins   mgt Sample No.                                   |      |       |                                                     |                                                     |                                                     |                                                     |
| Date Sampled                                                |      |       |                                                     |                                                     |                                                     |                                                     |
| Test/Reference                                              | LOR  | Unit  |                                                     |                                                     |                                                     |                                                     |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                                                     |                                                     |                                                     |                                                     |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | < 20                                                |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | < 20                                                |
| TRH C15-C28                                                 | 50   | mg/kg | 79                                                  | 270                                                 | < 50                                                | < 50                                                |
| TRH C29-C36                                                 | 50   | mg/kg | 500                                                 | 140                                                 | < 50                                                | < 50                                                |
| TRH C10-36 (Total)                                          | 50   | mg/kg | 580                                                 | 410                                                 | < 50                                                | < 50                                                |
| <b>Volatile Organics</b>                                    |      |       |                                                     |                                                     |                                                     |                                                     |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | < 5                                                 | < 5                                                 | -                                                   | -                                                   |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Allyl chloride                                              | 0.05 | mg/kg | < 0.05                                              | < 0.05                                              | -                                                   | -                                                   |
| Benzene                                                     | 0.1  | mg/kg | < 0.1                                               | < 0.1                                               | -                                                   | -                                                   |
| Bromobenzene                                                | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Bromochloromethane                                          | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Bromodichloromethane                                        | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Bromoform                                                   | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Bromomethane                                                | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Carbon disulfide                                            | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Chlorobenzene                                               | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Chloroethane                                                | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Chloroform                                                  | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Chloromethane                                               | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Dibromochloromethane                                        | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Dibromomethane                                              | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Ethylbenzene                                                | 0.1  | mg/kg | < 0.1                                               | < 0.1                                               | -                                                   | -                                                   |
| Iodomethane                                                 | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| m&p-Xylenes                                                 | 0.2  | mg/kg | < 0.2                                               | < 0.2                                               | -                                                   | -                                                   |
| Methylene Chloride                                          | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |

| Client Sample ID                                            |      |       | BH10 0.0-1.0<br>Soil<br>S15-De06608<br>Dec 06, 2015 | BH12 0.0-1.0<br>Soil<br>S15-De06609<br>Dec 06, 2015 | BH12 1.0-2.0<br>Soil<br>S15-De06610<br>Dec 06, 2015 | BH12 2.0-3.0<br>Soil<br>S15-De06611<br>Dec 06, 2015 |
|-------------------------------------------------------------|------|-------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Sample Matrix                                               |      |       |                                                     |                                                     |                                                     |                                                     |
| Eurofins   mgt Sample No.                                   |      |       |                                                     |                                                     |                                                     |                                                     |
| Date Sampled                                                |      |       |                                                     |                                                     |                                                     |                                                     |
| Test/Reference                                              | LOR  | Unit  |                                                     |                                                     |                                                     |                                                     |
| <b>Volatile Organics</b>                                    |      |       |                                                     |                                                     |                                                     |                                                     |
| o-Xylene                                                    | 0.1  | mg/kg | < 0.1                                               | < 0.1                                               | -                                                   | -                                                   |
| Styrene                                                     | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Tetrachloroethene                                           | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Toluene                                                     | 0.1  | mg/kg | < 0.1                                               | < 0.1                                               | -                                                   | -                                                   |
| trans-1.2-Dichloroethene                                    | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| trans-1.3-Dichloropropene                                   | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Trichloroethene                                             | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Trichlorofluoromethane                                      | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Vinyl chloride                                              | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | -                                                   | -                                                   |
| Xylenes - Total                                             | 0.3  | mg/kg | < 0.3                                               | < 0.3                                               | -                                                   | -                                                   |
| Fluorobenzene (surr.)                                       | 1    | %     | 104                                                 | 107                                                 | -                                                   | -                                                   |
| 4-Bromofluorobenzene (surr.)                                | 1    | %     | 94                                                  | 104                                                 | -                                                   | -                                                   |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                                                     |                                                     |                                                     |                                                     |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | < 0.5                                               | 2.1                                                 | 0.9                                                 | 1.4                                                 |
| TRH C6-C10                                                  | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | < 20                                                |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | < 20                                                |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | < 50                                                |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                                                     |                                                     |                                                     |                                                     |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg | < 0.5                                               | 2.8                                                 | < 0.5                                               | 1.3                                                 |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg | 0.6                                                 | 3.1                                                 | 0.6                                                 | 1.5                                                 |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg | 1.2                                                 | 3.3                                                 | 1.2                                                 | 1.8                                                 |
| Acenaphthene                                                | 0.5  | mg/kg | < 0.5                                               | 1.4                                                 | < 0.5                                               | < 0.5                                               |
| Acenaphthylene                                              | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | < 0.5                                               |
| Anthracene                                                  | 0.5  | mg/kg | < 0.5                                               | 2.9                                                 | < 0.5                                               | 0.7                                                 |
| Benz(a)anthracene                                           | 0.5  | mg/kg | < 0.5                                               | 2.7                                                 | < 0.5                                               | 1.0                                                 |
| Benzo(a)pyrene                                              | 0.5  | mg/kg | < 0.5                                               | 2.2                                                 | < 0.5                                               | 1.0                                                 |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg | < 0.5                                               | 1.3                                                 | < 0.5                                               | 0.9                                                 |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg | < 0.5                                               | 0.9                                                 | < 0.5                                               | < 0.5                                               |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg | < 0.5                                               | 1.5                                                 | < 0.5                                               | 0.7                                                 |
| Chrysene                                                    | 0.5  | mg/kg | < 0.5                                               | 2.0                                                 | < 0.5                                               | 0.8                                                 |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg | < 0.5                                               | < 0.5                                               | < 0.5                                               | < 0.5                                               |
| Fluoranthene                                                | 0.5  | mg/kg | < 0.5                                               | 5.6                                                 | < 0.5                                               | 2.2                                                 |
| Fluorene                                                    | 0.5  | mg/kg | < 0.5                                               | 2.1                                                 | < 0.5                                               | < 0.5                                               |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg | < 0.5                                               | 0.7                                                 | < 0.5                                               | < 0.5                                               |
| Naphthalene                                                 | 0.5  | mg/kg | < 0.5                                               | 3.2                                                 | < 0.5                                               | 0.6                                                 |
| Phenanthrene                                                | 0.5  | mg/kg | < 0.5                                               | 8.9                                                 | < 0.5                                               | 2.5                                                 |
| Pyrene                                                      | 0.5  | mg/kg | < 0.5                                               | 5.4                                                 | < 0.5                                               | 2.1                                                 |
| Total PAH*                                                  | 0.5  | mg/kg | < 0.5                                               | 41                                                  | < 0.5                                               | 13                                                  |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 73                                                  | 76                                                  | 79                                                  | 76                                                  |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 84                                                  | 89                                                  | 86                                                  | 83                                                  |
| <b>Organochlorine Pesticides</b>                            |      |       |                                                     |                                                     |                                                     |                                                     |
| Chlordanes - Total                                          | 0.1  | mg/kg | < 0.1                                               | < 0.1                                               | -                                                   | -                                                   |
| 4.4'-DDD                                                    | 0.05 | mg/kg | < 0.05                                              | < 0.05                                              | -                                                   | -                                                   |
| 4.4'-DDE                                                    | 0.05 | mg/kg | < 0.05                                              | < 0.05                                              | -                                                   | -                                                   |
| 4.4'-DDT                                                    | 0.05 | mg/kg | < 0.05                                              | < 0.05                                              | -                                                   | -                                                   |
| a-BHC                                                       | 0.05 | mg/kg | < 0.05                                              | < 0.05                                              | -                                                   | -                                                   |
| Aldrin                                                      | 0.05 | mg/kg | < 0.05                                              | < 0.05                                              | -                                                   | -                                                   |
| b-BHC                                                       | 0.05 | mg/kg | < 0.05                                              | < 0.05                                              | -                                                   | -                                                   |
| d-BHC                                                       | 0.05 | mg/kg | < 0.05                                              | < 0.05                                              | -                                                   | -                                                   |



| Client Sample ID                                            |      |          | BH10 0.0-1.0<br>Soil | BH12 0.0-1.0<br>Soil | BH12 1.0-2.0<br>Soil | BH12 2.0-3.0<br>Soil |
|-------------------------------------------------------------|------|----------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |          | S15-De06608          | S15-De06609          | S15-De06610          | S15-De06611          |
| Eurofins   mgt Sample No.                                   |      |          | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |          |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit     |                      |                      |                      |                      |
| <b>Organochlorine Pesticides</b>                            |      |          |                      |                      |                      |                      |
| Dieldrin                                                    | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Endosulfan I                                                | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Endosulfan II                                               | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Endosulfan sulphate                                         | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Endrin                                                      | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Endrin aldehyde                                             | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Endrin ketone                                               | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| g-BHC (Lindane)                                             | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Heptachlor                                                  | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Heptachlor epoxide                                          | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Hexachlorobenzene                                           | 0.05 | mg/kg    | < 0.05               | < 0.05               | -                    | -                    |
| Methoxychlor                                                | 0.2  | mg/kg    | < 0.2                | < 0.2                | -                    | -                    |
| Toxaphene                                                   | 1    | mg/kg    | < 1                  | < 1                  | -                    | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %        | 126                  | 103                  | -                    | -                    |
| Tetrachloro-m-xylene (surr.)                                | 1    | %        | 75                   | 72                   | -                    | -                    |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |          |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1232                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1242                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1248                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1254                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1260                                                | 0.5  | mg/kg    | < 0.5                | < 0.5                | -                    | -                    |
| Total PCB*                                                  | 0.5  | mg/kg    | < 0.5                | < 0.5                | -                    | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %        | 126                  | 103                  | -                    | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg    | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH >C16-C34                                                | 100  | mg/kg    | 180                  | 370                  | < 100                | < 100                |
| TRH >C34-C40                                                | 100  | mg/kg    | 500                  | < 100                | < 100                | < 100                |
|                                                             |      |          |                      |                      |                      |                      |
| Conductivity (1:5 aqueous extract at 25°C)                  | 10   | uS/cm    | -                    | 140                  | -                    | -                    |
| pH (1:5 Aqueous extract)                                    | 0.1  | pH Units | -                    | 8.1                  | -                    | -                    |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %        | 1.0                  | 9.5                  | -                    | -                    |
| % Moisture                                                  | 0.1  | %        | 5.7                  | 14                   | 14                   | 15                   |
| <b>Ion Exchange Properties</b>                              |      |          |                      |                      |                      |                      |
| Cation Exchange Capacity                                    | 0.05 | meq/100g | -                    | 14                   | -                    | -                    |
| <b>Heavy Metals</b>                                         |      |          |                      |                      |                      |                      |
| Arsenic                                                     | 2    | mg/kg    | 4.0                  | 25                   | 6.1                  | 6.4                  |
| Cadmium                                                     | 0.4  | mg/kg    | < 0.4                | < 0.4                | < 0.4                | < 0.4                |
| Chromium                                                    | 5    | mg/kg    | 14                   | 8.7                  | < 5                  | 8.8                  |
| Copper                                                      | 5    | mg/kg    | 130                  | 1400                 | 150                  | 320                  |
| Lead                                                        | 5    | mg/kg    | 160                  | 1200                 | 100                  | 270                  |
| Mercury                                                     | 0.05 | mg/kg    | 0.21                 | 0.23                 | 0.05                 | 0.12                 |
| Nickel                                                      | 5    | mg/kg    | 13                   | 12                   | < 5                  | < 5                  |
| Zinc                                                        | 5    | mg/kg    | 84                   | 160                  | 20                   | 39                   |

| Client Sample ID                                            |      |       | BH12 3.0-4.0<br>Soil | BH12 4.0-5.0<br>Soil | BH13 0.0-1.0<br>Soil | BH13 1.0-2.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06612          | S15-De06613          | S15-De06615          | S15-De06616          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C15-C28                                                 | 50   | mg/kg | 120                  | < 50                 | 240                  | 110                  |
| TRH C29-C36                                                 | 50   | mg/kg | < 50                 | < 50                 | 140                  | 120                  |
| TRH C10-36 (Total)                                          | 50   | mg/kg | 120                  | < 50                 | 380                  | 230                  |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | -                    | -                    | < 5                  | -                    |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Allyl chloride                                              | 0.05 | mg/kg | -                    | -                    | < 0.05               | -                    |
| Benzene                                                     | 0.1  | mg/kg | -                    | -                    | < 0.1                | -                    |
| Bromobenzene                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Bromochloromethane                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Bromodichloromethane                                        | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Bromoform                                                   | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Bromomethane                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Carbon disulfide                                            | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Chlorobenzene                                               | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Chloroethane                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Chloroform                                                  | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Chloromethane                                               | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Dibromochloromethane                                        | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Dibromomethane                                              | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Ethylbenzene                                                | 0.1  | mg/kg | -                    | -                    | < 0.1                | -                    |
| Iodomethane                                                 | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| m&p-Xylenes                                                 | 0.2  | mg/kg | -                    | -                    | < 0.2                | -                    |
| Methylene Chloride                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |

| Client Sample ID                                            |      |       | BH12 3.0-4.0<br>Soil | BH12 4.0-5.0<br>Soil | BH13 0.0-1.0<br>Soil | BH13 1.0-2.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06612          | S15-De06613          | S15-De06615          | S15-De06616          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| o-Xylene                                                    | 0.1  | mg/kg | -                    | -                    | < 0.1                | -                    |
| Styrene                                                     | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Tetrachloroethene                                           | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Toluene                                                     | 0.1  | mg/kg | -                    | -                    | < 0.1                | -                    |
| trans-1.2-Dichloroethene                                    | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| trans-1.3-Dichloropropene                                   | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Trichloroethene                                             | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Trichlorofluoromethane                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Vinyl chloride                                              | 0.5  | mg/kg | -                    | -                    | < 0.5                | -                    |
| Xylenes - Total                                             | 0.3  | mg/kg | -                    | -                    | < 0.3                | -                    |
| Fluorobenzene (surr.)                                       | 1    | %     | -                    | -                    | 104                  | -                    |
| 4-Bromofluorobenzene (surr.)                                | 1    | %     | -                    | -                    | 98                   | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | 0.7                  | < 0.5                | < 0.5                | < 0.5                |
| TRH C6-C10                                                  | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                      |                      |                      |                      |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg | 0.8                  | < 0.5                | 1.3                  | 1.0                  |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg | 1.1                  | 0.6                  | 1.5                  | 1.2                  |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg | 1.5                  | 1.2                  | 1.8                  | 1.5                  |
| Acenaphthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Acenaphthylene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Anthracene                                                  | 0.5  | mg/kg | 0.9                  | < 0.5                | < 0.5                | < 0.5                |
| Benz(a)anthracene                                           | 0.5  | mg/kg | 0.9                  | < 0.5                | 1.5                  | 1.0                  |
| Benzo(a)pyrene                                              | 0.5  | mg/kg | 0.7                  | < 0.5                | 0.9                  | 0.7                  |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg | < 0.5                | < 0.5                | 0.9                  | 0.6                  |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | 1.1                  | 0.8                  |
| Chrysene                                                    | 0.5  | mg/kg | 0.7                  | < 0.5                | 1.1                  | 0.9                  |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Fluoranthene                                                | 0.5  | mg/kg | 1.9                  | < 0.5                | 2.9                  | 1.8                  |
| Fluorene                                                    | 0.5  | mg/kg | 0.6                  | < 0.5                | < 0.5                | < 0.5                |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Naphthalene                                                 | 0.5  | mg/kg | 0.7                  | < 0.5                | < 0.5                | < 0.5                |
| Phenanthrene                                                | 0.5  | mg/kg | 3.0                  | < 0.5                | 1.7                  | 1.1                  |
| Pyrene                                                      | 0.5  | mg/kg | 1.8                  | < 0.5                | 2.6                  | 1.9                  |
| Total PAH*                                                  | 0.5  | mg/kg | 11                   | < 0.5                | 13                   | 8.8                  |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 81                   | 79                   | 72                   | 75                   |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 92                   | 84                   | 71                   | 86                   |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg | -                    | -                    | < 0.1                | -                    |
| 4,4'-DDD                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | -                    |
| 4,4'-DDE                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | -                    |
| 4,4'-DDT                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | -                    |
| a-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | -                    |
| Aldrin                                                      | 0.05 | mg/kg | -                    | -                    | < 0.05               | -                    |
| b-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | -                    |
| d-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | -                    |

| Client Sample ID                                            |      |          | BH12 3.0-4.0 | BH12 4.0-5.0 | BH13 0.0-1.0 | BH13 1.0-2.0 |
|-------------------------------------------------------------|------|----------|--------------|--------------|--------------|--------------|
| Sample Matrix                                               |      |          | Soil         | Soil         | Soil         | Soil         |
| Eurofins   mgt Sample No.                                   |      |          | S15-De06612  | S15-De06613  | S15-De06615  | S15-De06616  |
| Date Sampled                                                |      |          | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                              | LOR  | Unit     |              |              |              |              |
| <b>Organochlorine Pesticides</b>                            |      |          |              |              |              |              |
| Dieldrin                                                    | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Endosulfan I                                                | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Endosulfan II                                               | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Endosulfan sulphate                                         | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Endrin                                                      | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Endrin aldehyde                                             | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Endrin ketone                                               | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| g-BHC (Lindane)                                             | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Heptachlor                                                  | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Heptachlor epoxide                                          | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Hexachlorobenzene                                           | 0.05 | mg/kg    | -            | -            | < 0.05       | -            |
| Methoxychlor                                                | 0.2  | mg/kg    | -            | -            | < 0.2        | -            |
| Toxaphene                                                   | 1    | mg/kg    | -            | -            | < 1          | -            |
| Dibutylchloroendate (surr.)                                 | 1    | %        | -            | -            | 102          | -            |
| Tetrachloro-m-xylene (surr.)                                | 1    | %        | -            | -            | 73           | -            |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |          |              |              |              |              |
| Aroclor-1016                                                | 0.5  | mg/kg    | -            | -            | < 0.5        | -            |
| Aroclor-1232                                                | 0.5  | mg/kg    | -            | -            | < 0.5        | -            |
| Aroclor-1242                                                | 0.5  | mg/kg    | -            | -            | < 0.5        | -            |
| Aroclor-1248                                                | 0.5  | mg/kg    | -            | -            | < 0.5        | -            |
| Aroclor-1254                                                | 0.5  | mg/kg    | -            | -            | < 0.5        | -            |
| Aroclor-1260                                                | 0.5  | mg/kg    | -            | -            | < 0.5        | -            |
| Total PCB*                                                  | 0.5  | mg/kg    | -            | -            | < 0.5        | -            |
| Dibutylchloroendate (surr.)                                 | 1    | %        | -            | -            | 102          | -            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |              |              |              |              |
| TRH >C10-C16                                                | 50   | mg/kg    | < 50         | < 50         | < 50         | < 50         |
| TRH >C16-C34                                                | 100  | mg/kg    | 150          | < 100        | 360          | 170          |
| TRH >C34-C40                                                | 100  | mg/kg    | < 100        | < 100        | < 100        | < 100        |
|                                                             |      |          |              |              |              |              |
| Conductivity (1:5 aqueous extract at 25°C)                  | 10   | uS/cm    | -            | 23           | 50           | -            |
| pH (1:5 Aqueous extract)                                    | 0.1  | pH Units | -            | 6.5          | 7.1          | -            |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %        | -            | -            | 1.8          | -            |
| % Moisture                                                  | 0.1  | %        | 7.4          | 17           | 11           | 12           |
| <b>Ion Exchange Properties</b>                              |      |          |              |              |              |              |
| Cation Exchange Capacity                                    | 0.05 | meq/100g | -            | 6.8          | 12           | -            |
| <b>Heavy Metals</b>                                         |      |          |              |              |              |              |
| Arsenic                                                     | 2    | mg/kg    | 3.7          | 4.0          | 21           | 14           |
| Cadmium                                                     | 0.4  | mg/kg    | < 0.4        | < 0.4        | 0.7          | < 0.4        |
| Chromium                                                    | 5    | mg/kg    | < 5          | 6.6          | < 5          | 8.8          |
| Copper                                                      | 5    | mg/kg    | 110          | 33           | 6700         | 550          |
| Lead                                                        | 5    | mg/kg    | 280          | 26           | 1100         | 190          |
| Mercury                                                     | 0.05 | mg/kg    | 0.05         | < 0.05       | 0.20         | 0.22         |
| Nickel                                                      | 5    | mg/kg    | < 5          | < 5          | 11           | 11           |
| Zinc                                                        | 5    | mg/kg    | 18           | 15           | 1000         | 190          |

| Client Sample ID                                            |      |       | BH14 0.3-1.0<br>Soil | BH15 0.0-1.0<br>Soil | BH15 1.0-2.0<br>Soil | BH15 2.0-3.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06618          | S15-De06619          | S15-De06620          | S15-De06621          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C15-C28                                                 | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH C29-C36                                                 | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH C10-36 (Total)                                          | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | < 5                  | -                    | -                    | -                    |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Allyl chloride                                              | 0.05 | mg/kg | < 0.05               | -                    | -                    | -                    |
| Benzene                                                     | 0.1  | mg/kg | < 0.1                | -                    | -                    | -                    |
| Bromobenzene                                                | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Bromochloromethane                                          | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Bromodichloromethane                                        | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Bromoform                                                   | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Bromomethane                                                | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Carbon disulfide                                            | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Chlorobenzene                                               | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Chloroethane                                                | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Chloroform                                                  | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Chloromethane                                               | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Dibromochloromethane                                        | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Dibromomethane                                              | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Ethylbenzene                                                | 0.1  | mg/kg | < 0.1                | -                    | -                    | -                    |
| Iodomethane                                                 | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| m&p-Xylenes                                                 | 0.2  | mg/kg | < 0.2                | -                    | -                    | -                    |
| Methylene Chloride                                          | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |



| Client Sample ID                                            |      |       | BH14 0.3-1.0<br>Soil | BH15 0.0-1.0<br>Soil | BH15 1.0-2.0<br>Soil | BH15 2.0-3.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06618          | S15-De06619          | S15-De06620          | S15-De06621          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| o-Xylene                                                    | 0.1  | mg/kg | < 0.1                | -                    | -                    | -                    |
| Styrene                                                     | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Tetrachloroethene                                           | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Toluene                                                     | 0.1  | mg/kg | < 0.1                | -                    | -                    | -                    |
| trans-1.2-Dichloroethene                                    | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| trans-1.3-Dichloropropene                                   | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Trichloroethene                                             | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Trichlorofluoromethane                                      | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Vinyl chloride                                              | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Xylenes - Total                                             | 0.3  | mg/kg | < 0.3                | -                    | -                    | -                    |
| Fluorobenzene (surr.)                                       | 1    | %     | 105                  | -                    | -                    | -                    |
| 4-Bromofluorobenzene (surr.)                                | 1    | %     | 117                  | -                    | -                    | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| TRH C6-C10                                                  | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                      |                      |                      |                      |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg | < 0.5                | < 0.5                | 1.1                  | < 0.5                |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg | 0.6                  | 0.6                  | 1.3                  | 0.6                  |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg | 1.2                  | 1.2                  | 1.6                  | 1.2                  |
| Acenaphthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Acenaphthylene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Anthracene                                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benz(a)anthracene                                           | 0.5  | mg/kg | < 0.5                | < 0.5                | 1.0                  | < 0.5                |
| Benzo(a)pyrene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | 0.8                  | < 0.5                |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg | < 0.5                | < 0.5                | 0.7                  | < 0.5                |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | 0.6                  | < 0.5                |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | 0.8                  | < 0.5                |
| Chrysene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | 0.9                  | < 0.5                |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Fluoranthene                                                | 0.5  | mg/kg | < 0.5                | 0.9                  | 2.2                  | < 0.5                |
| Fluorene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Naphthalene                                                 | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Phenanthrene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | 1.7                  | < 0.5                |
| Pyrene                                                      | 0.5  | mg/kg | < 0.5                | 1.0                  | 2.1                  | < 0.5                |
| Total PAH*                                                  | 0.5  | mg/kg | < 0.5                | 1.9                  | 11                   | < 0.5                |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 80                   | 77                   | 77                   | 77                   |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 86                   | 99                   | 98                   | 93                   |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg | < 0.1                | < 0.1                | -                    | -                    |
| 4.4'-DDD                                                    | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| 4.4'-DDE                                                    | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| 4.4'-DDT                                                    | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| a-BHC                                                       | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Aldrin                                                      | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| b-BHC                                                       | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| d-BHC                                                       | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |

| Client Sample ID                                            |      |       | BH14 0.3-1.0<br>Soil | BH15 0.0-1.0<br>Soil | BH15 1.0-2.0<br>Soil | BH15 2.0-3.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06618          | S15-De06619          | S15-De06620          | S15-De06621          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Dieldrin                                                    | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Endosulfan I                                                | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Endosulfan II                                               | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Endosulfan sulphate                                         | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Endrin                                                      | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Endrin aldehyde                                             | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Endrin ketone                                               | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| g-BHC (Lindane)                                             | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Heptachlor                                                  | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Heptachlor epoxide                                          | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Hexachlorobenzene                                           | 0.05 | mg/kg | < 0.05               | < 0.05               | -                    | -                    |
| Methoxychlor                                                | 0.2  | mg/kg | < 0.2                | < 0.2                | -                    | -                    |
| Toxaphene                                                   | 1    | mg/kg | < 1                  | < 1                  | -                    | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %     | 120                  | 95                   | -                    | -                    |
| Tetrachloro-m-xylene (surr.)                                | 1    | %     | 106                  | 113                  | -                    | -                    |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |       |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1232                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1242                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1248                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1254                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | -                    | -                    |
| Aroclor-1260                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | -                    | -                    |
| Total PCB*                                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | -                    | -                    |
| Dibutylchloredate (surr.)                                   | 1    | %     | 120                  | 95                   | -                    | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH >C16-C34                                                | 100  | mg/kg | < 100                | < 100                | < 100                | < 100                |
| TRH >C34-C40                                                | 100  | mg/kg | < 100                | < 100                | < 100                | < 100                |
|                                                             |      |       |                      |                      |                      |                      |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %     | 1.3                  | -                    | -                    | -                    |
| % Moisture                                                  | 0.1  | %     | 4.8                  | 6.9                  | 7.9                  | 7.0                  |
| <b>Heavy Metals</b>                                         |      |       |                      |                      |                      |                      |
| Arsenic                                                     | 2    | mg/kg | 2.3                  | 14                   | 3.6                  | 5.1                  |
| Cadmium                                                     | 0.4  | mg/kg | < 0.4                | 0.5                  | < 0.4                | < 0.4                |
| Chromium                                                    | 5    | mg/kg | 14                   | 13                   | 5.7                  | 9.1                  |
| Copper                                                      | 5    | mg/kg | 150                  | 810                  | 240                  | 13                   |
| Lead                                                        | 5    | mg/kg | 88                   | 380                  | 140                  | 11                   |
| Mercury                                                     | 0.05 | mg/kg | < 0.05               | 0.20                 | 0.06                 | < 0.05               |
| Nickel                                                      | 5    | mg/kg | 7.8                  | 14                   | < 5                  | < 5                  |
| Zinc                                                        | 5    | mg/kg | 100                  | 440                  | 110                  | < 5                  |

| Client Sample ID                                            |      |       | BH16 0.0-1.0<br>Soil<br>S15-De06623<br>Dec 06, 2015 | BH16 1.0-2.0<br>Soil<br>S15-De06624<br>Dec 06, 2015 | BH16 2.0-3.0<br>Soil<br>S15-De06625<br>Dec 06, 2015 | BH16 4.0-4.5<br>Soil<br>S15-De06626<br>Dec 06, 2015 |
|-------------------------------------------------------------|------|-------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Sample Matrix                                               |      |       |                                                     |                                                     |                                                     |                                                     |
| Eurofins   mgt Sample No.                                   |      |       |                                                     |                                                     |                                                     |                                                     |
| Date Sampled                                                |      |       |                                                     |                                                     |                                                     |                                                     |
| Test/Reference                                              | LOR  | Unit  |                                                     |                                                     |                                                     |                                                     |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                                                     |                                                     |                                                     |                                                     |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | -                                                   |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | -                                                   |
| TRH C15-C28                                                 | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | -                                                   |
| TRH C29-C36                                                 | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | -                                                   |
| TRH C10-36 (Total)                                          | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | -                                                   |
| <b>Volatile Organics</b>                                    |      |       |                                                     |                                                     |                                                     |                                                     |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | < 5                                                 | -                                                   | -                                                   | -                                                   |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Allyl chloride                                              | 0.05 | mg/kg | < 0.05                                              | -                                                   | -                                                   | -                                                   |
| Benzene                                                     | 0.1  | mg/kg | < 0.1                                               | -                                                   | -                                                   | -                                                   |
| Bromobenzene                                                | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Bromochloromethane                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Bromodichloromethane                                        | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Bromoform                                                   | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Bromomethane                                                | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Carbon disulfide                                            | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Chlorobenzene                                               | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Chloroethane                                                | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Chloroform                                                  | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Chloromethane                                               | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Dibromochloromethane                                        | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Dibromomethane                                              | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Ethylbenzene                                                | 0.1  | mg/kg | < 0.1                                               | -                                                   | -                                                   | -                                                   |
| Iodomethane                                                 | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |
| m&p-Xylenes                                                 | 0.2  | mg/kg | < 0.2                                               | -                                                   | -                                                   | -                                                   |
| Methylene Chloride                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | -                                                   |

| Client Sample ID                                            |      |       | BH16 0.0-1.0<br>Soil | BH16 1.0-2.0<br>Soil | BH16 2.0-3.0<br>Soil | BH16 4.0-4.5<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06623          | S15-De06624          | S15-De06625          | S15-De06626          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| o-Xylene                                                    | 0.1  | mg/kg | < 0.1                | -                    | -                    | -                    |
| Styrene                                                     | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Tetrachloroethene                                           | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Toluene                                                     | 0.1  | mg/kg | < 0.1                | -                    | -                    | -                    |
| trans-1,2-Dichloroethene                                    | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| trans-1,3-Dichloropropene                                   | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Trichloroethene                                             | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Trichlorofluoromethane                                      | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Vinyl chloride                                              | 0.5  | mg/kg | < 0.5                | -                    | -                    | -                    |
| Xylenes - Total                                             | 0.3  | mg/kg | < 0.3                | -                    | -                    | -                    |
| Fluorobenzene (surr.)                                       | 1    | %     | 103                  | -                    | -                    | -                    |
| 4-Bromofluorobenzene (surr.)                                | 1    | %     | 97                   | -                    | -                    | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| TRH C6-C10                                                  | 20   | mg/kg | < 20                 | < 20                 | < 20                 | -                    |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg | < 20                 | < 20                 | < 20                 | -                    |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg | < 50                 | < 50                 | < 50                 | -                    |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                      |                      |                      |                      |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg | 0.8                  | < 0.5                | < 0.5                | -                    |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg | 1.1                  | 0.6                  | 0.6                  | -                    |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg | 1.4                  | 1.2                  | 1.2                  | -                    |
| Acenaphthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| Acenaphthylene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| Anthracene                                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| Benz(a)anthracene                                           | 0.5  | mg/kg | 0.7                  | < 0.5                | < 0.5                | -                    |
| Benzo(a)pyrene                                              | 0.5  | mg/kg | 0.6                  | < 0.5                | < 0.5                | -                    |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg | 0.7                  | < 0.5                | < 0.5                | -                    |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg | 0.6                  | < 0.5                | < 0.5                | -                    |
| Chrysene                                                    | 0.5  | mg/kg | 0.6                  | < 0.5                | < 0.5                | -                    |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| Fluoranthene                                                | 0.5  | mg/kg | 1.6                  | < 0.5                | < 0.5                | -                    |
| Fluorene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| Indeno(1,2,3-cd)pyrene                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| Naphthalene                                                 | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | -                    |
| Phenanthrene                                                | 0.5  | mg/kg | 1.0                  | < 0.5                | < 0.5                | -                    |
| Pyrene                                                      | 0.5  | mg/kg | 1.4                  | < 0.5                | < 0.5                | -                    |
| Total PAH*                                                  | 0.5  | mg/kg | 7.2                  | < 0.5                | < 0.5                | -                    |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 84                   | 76                   | 78                   | -                    |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 104                  | 94                   | 97                   | -                    |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg | < 0.1                | -                    | -                    | -                    |
| 4,4'-DDD                                                    | 0.05 | mg/kg | < 0.05               | -                    | -                    | -                    |
| 4,4'-DDE                                                    | 0.05 | mg/kg | < 0.05               | -                    | -                    | -                    |
| 4,4'-DDT                                                    | 0.05 | mg/kg | < 0.05               | -                    | -                    | -                    |
| a-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | -                    | -                    |
| Aldrin                                                      | 0.05 | mg/kg | < 0.05               | -                    | -                    | -                    |
| b-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | -                    | -                    |
| d-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | -                    | -                    |

| Client Sample ID                                            |      |          | BH16 0.0-1.0<br>Soil | BH16 1.0-2.0<br>Soil | BH16 2.0-3.0<br>Soil | BH16 4.0-4.5<br>Soil |
|-------------------------------------------------------------|------|----------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |          | S15-De06623          | S15-De06624          | S15-De06625          | S15-De06626          |
| Eurofins   mgt Sample No.                                   |      |          | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |          |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit     |                      |                      |                      |                      |
| <b>Organochlorine Pesticides</b>                            |      |          |                      |                      |                      |                      |
| Dieldrin                                                    | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Endosulfan I                                                | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Endosulfan II                                               | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Endosulfan sulphate                                         | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Endrin                                                      | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Endrin aldehyde                                             | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Endrin ketone                                               | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| g-BHC (Lindane)                                             | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Heptachlor                                                  | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Heptachlor epoxide                                          | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Hexachlorobenzene                                           | 0.05 | mg/kg    | < 0.05               | -                    | -                    | -                    |
| Methoxychlor                                                | 0.2  | mg/kg    | < 0.2                | -                    | -                    | -                    |
| Toxaphene                                                   | 1    | mg/kg    | < 1                  | -                    | -                    | -                    |
| Dibutylchlorendate (surr.)                                  | 1    | %        | 97                   | -                    | -                    | -                    |
| Tetrachloro-m-xylene (surr.)                                | 1    | %        | 76                   | -                    | -                    | -                    |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |          |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | -                    |
| Aroclor-1232                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | -                    |
| Aroclor-1242                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | -                    |
| Aroclor-1248                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | -                    |
| Aroclor-1254                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | -                    |
| Aroclor-1260                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | -                    |
| Total PCB*                                                  | 0.5  | mg/kg    | < 0.5                | -                    | -                    | -                    |
| Dibutylchlorendate (surr.)                                  | 1    | %        | 97                   | -                    | -                    | -                    |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg    | < 50                 | < 50                 | < 50                 | -                    |
| TRH >C16-C34                                                | 100  | mg/kg    | < 100                | < 100                | < 100                | -                    |
| TRH >C34-C40                                                | 100  | mg/kg    | < 100                | < 100                | < 100                | -                    |
|                                                             |      |          |                      |                      |                      |                      |
| Conductivity (1:5 aqueous extract at 25°C)                  | 10   | uS/cm    | -                    | -                    | -                    | 33                   |
| pH (1:5 Aqueous extract)                                    | 0.1  | pH Units | -                    | -                    | -                    | 5.0                  |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %        | 1.6                  | -                    | -                    | -                    |
| % Moisture                                                  | 0.1  | %        | 11                   | 16                   | 15                   | 21                   |
| <b>Ion Exchange Properties</b>                              |      |          |                      |                      |                      |                      |
| Cation Exchange Capacity                                    | 0.05 | meq/100g | -                    | -                    | -                    | 6.2                  |
| <b>Heavy Metals</b>                                         |      |          |                      |                      |                      |                      |
| Arsenic                                                     | 2    | mg/kg    | 2.7                  | 4.1                  | 2.9                  | -                    |
| Cadmium                                                     | 0.4  | mg/kg    | < 0.4                | < 0.4                | < 0.4                | -                    |
| Chromium                                                    | 5    | mg/kg    | 13                   | 12                   | 5.5                  | -                    |
| Copper                                                      | 5    | mg/kg    | 58                   | 7.0                  | 9.0                  | -                    |
| Lead                                                        | 5    | mg/kg    | 47                   | 10                   | 9.5                  | -                    |
| Mercury                                                     | 0.05 | mg/kg    | < 0.05               | < 0.05               | < 0.05               | -                    |
| Nickel                                                      | 5    | mg/kg    | < 5                  | < 5                  | < 5                  | -                    |
| Zinc                                                        | 5    | mg/kg    | 57                   | 5.3                  | 9.0                  | -                    |



| Client Sample ID                                            |      |       | BH17 0.0-1.0<br>Soil<br>S15-De06627<br>Dec 06, 2015 | BH17 1.0-2.0<br>Soil<br>S15-De06628<br>Dec 06, 2015 | BH17 2.0-3.0<br>Soil<br>S15-De06629<br>Dec 06, 2015 | BH18 0.0-1.0<br>Soil<br>S15-De06632<br>Dec 06, 2015 |
|-------------------------------------------------------------|------|-------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Sample Matrix                                               |      |       |                                                     |                                                     |                                                     |                                                     |
| Eurofins   mgt Sample No.                                   |      |       |                                                     |                                                     |                                                     |                                                     |
| Date Sampled                                                |      |       |                                                     |                                                     |                                                     |                                                     |
| Test/Reference                                              | LOR  | Unit  |                                                     |                                                     |                                                     |                                                     |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                                                     |                                                     |                                                     |                                                     |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | < 20                                                |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                                                | < 20                                                | < 20                                                | < 20                                                |
| TRH C15-C28                                                 | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | 450                                                 |
| TRH C29-C36                                                 | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | 310                                                 |
| TRH C10-36 (Total)                                          | 50   | mg/kg | < 50                                                | < 50                                                | < 50                                                | 760                                                 |
| <b>Volatile Organics</b>                                    |      |       |                                                     |                                                     |                                                     |                                                     |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | < 5                                                 | -                                                   | -                                                   | < 5                                                 |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Allyl chloride                                              | 0.05 | mg/kg | < 0.05                                              | -                                                   | -                                                   | < 0.05                                              |
| Benzene                                                     | 0.1  | mg/kg | < 0.1                                               | -                                                   | -                                                   | < 0.1                                               |
| Bromobenzene                                                | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Bromochloromethane                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Bromodichloromethane                                        | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Bromoform                                                   | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Bromomethane                                                | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Carbon disulfide                                            | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Chlorobenzene                                               | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Chloroethane                                                | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Chloroform                                                  | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Chloromethane                                               | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Dibromochloromethane                                        | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Dibromomethane                                              | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Ethylbenzene                                                | 0.1  | mg/kg | < 0.1                                               | -                                                   | -                                                   | < 0.1                                               |
| Iodomethane                                                 | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |
| m&p-Xylenes                                                 | 0.2  | mg/kg | < 0.2                                               | -                                                   | -                                                   | < 0.2                                               |
| Methylene Chloride                                          | 0.5  | mg/kg | < 0.5                                               | -                                                   | -                                                   | < 0.5                                               |

| Client Sample ID                                            |      |       | BH17 0.0-1.0<br>Soil | BH17 1.0-2.0<br>Soil | BH17 2.0-3.0<br>Soil | BH18 0.0-1.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06627          | S15-De06628          | S15-De06629          | S15-De06632          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| o-Xylene                                                    | 0.1  | mg/kg | < 0.1                | -                    | -                    | < 0.1                |
| Styrene                                                     | 0.5  | mg/kg | < 0.5                | -                    | -                    | < 0.5                |
| Tetrachloroethene                                           | 0.5  | mg/kg | < 0.5                | -                    | -                    | < 0.5                |
| Toluene                                                     | 0.1  | mg/kg | < 0.1                | -                    | -                    | < 0.1                |
| trans-1.2-Dichloroethene                                    | 0.5  | mg/kg | < 0.5                | -                    | -                    | < 0.5                |
| trans-1.3-Dichloropropene                                   | 0.5  | mg/kg | < 0.5                | -                    | -                    | < 0.5                |
| Trichloroethene                                             | 0.5  | mg/kg | < 0.5                | -                    | -                    | < 0.5                |
| Trichlorofluoromethane                                      | 0.5  | mg/kg | < 0.5                | -                    | -                    | < 0.5                |
| Vinyl chloride                                              | 0.5  | mg/kg | < 0.5                | -                    | -                    | < 0.5                |
| Xylenes - Total                                             | 0.3  | mg/kg | < 0.3                | -                    | -                    | < 0.3                |
| Fluorobenzene (surr.)                                       | 1    | %     | 104                  | -                    | -                    | 102                  |
| 4-Bromofluorobenzene (surr.)                                | 1    | %     | 77                   | -                    | -                    | 106                  |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| TRH C6-C10                                                  | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                      |                      |                      |                      |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 4.3                  |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg | 0.6                  | 0.6                  | 0.6                  | 4.5                  |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg | 1.2                  | 1.2                  | 1.2                  | 4.8                  |
| Acenaphthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Acenaphthylene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Anthracene                                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 1.6                  |
| Benz(a)anthracene                                           | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 3.7                  |
| Benzo(a)pyrene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 3.2                  |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 3.0                  |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 1.5                  |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 2.5                  |
| Chrysene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 3.1                  |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Fluoranthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 6.0                  |
| Fluorene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 1.3                  |
| Naphthalene                                                 | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Phenanthrene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 4.9                  |
| Pyrene                                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 6.1                  |
| Total PAH*                                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | 37                   |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 71                   | 75                   | 75                   | 76                   |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 89                   | 93                   | 92                   | 100                  |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg | < 0.1                | -                    | -                    | < 0.1                |
| 4.4'-DDD                                                    | 0.05 | mg/kg | < 0.05               | -                    | -                    | < 0.05               |
| 4.4'-DDE                                                    | 0.05 | mg/kg | < 0.05               | -                    | -                    | < 0.05               |
| 4.4'-DDT                                                    | 0.05 | mg/kg | < 0.05               | -                    | -                    | < 0.05               |
| a-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | -                    | < 0.05               |
| Aldrin                                                      | 0.05 | mg/kg | < 0.05               | -                    | -                    | < 0.05               |
| b-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | -                    | < 0.05               |
| d-BHC                                                       | 0.05 | mg/kg | < 0.05               | -                    | -                    | < 0.05               |

| Client Sample ID                                            |      |          | BH17 0.0-1.0<br>Soil | BH17 1.0-2.0<br>Soil | BH17 2.0-3.0<br>Soil | BH18 0.0-1.0<br>Soil |
|-------------------------------------------------------------|------|----------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |          | S15-De06627          | S15-De06628          | S15-De06629          | S15-De06632          |
| Eurofins   mgt Sample No.                                   |      |          | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |          |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit     |                      |                      |                      |                      |
| <b>Organochlorine Pesticides</b>                            |      |          |                      |                      |                      |                      |
| Dieldrin                                                    | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Endosulfan I                                                | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Endosulfan II                                               | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Endosulfan sulphate                                         | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Endrin                                                      | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Endrin aldehyde                                             | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Endrin ketone                                               | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| g-BHC (Lindane)                                             | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Heptachlor                                                  | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Heptachlor epoxide                                          | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Hexachlorobenzene                                           | 0.05 | mg/kg    | < 0.05               | -                    | -                    | < 0.05               |
| Methoxychlor                                                | 0.2  | mg/kg    | < 0.2                | -                    | -                    | < 0.2                |
| Toxaphene                                                   | 1    | mg/kg    | < 1                  | -                    | -                    | < 1                  |
| Dibutylchloredate (surr.)                                   | 1    | %        | 78                   | -                    | -                    | 116                  |
| Tetrachloro-m-xylene (surr.)                                | 1    | %        | 116                  | -                    | -                    | 102                  |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |          |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | < 0.5                |
| Aroclor-1232                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | < 0.5                |
| Aroclor-1242                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | < 0.5                |
| Aroclor-1248                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | < 0.5                |
| Aroclor-1254                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | < 0.5                |
| Aroclor-1260                                                | 0.5  | mg/kg    | < 0.5                | -                    | -                    | < 0.5                |
| Total PCB*                                                  | 0.5  | mg/kg    | < 0.5                | -                    | -                    | < 0.5                |
| Dibutylchloredate (surr.)                                   | 1    | %        | 78                   | -                    | -                    | 116                  |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |          |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg    | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH >C16-C34                                                | 100  | mg/kg    | < 100                | < 100                | < 100                | 710                  |
| TRH >C34-C40                                                | 100  | mg/kg    | < 100                | < 100                | < 100                | 160                  |
|                                                             |      |          |                      |                      |                      |                      |
| Conductivity (1:5 aqueous extract at 25°C)                  | 10   | uS/cm    | 93                   | -                    | -                    | -                    |
| pH (1:5 Aqueous extract)                                    | 0.1  | pH Units | 7.8                  | -                    | -                    | -                    |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %        | 2.6                  | -                    | -                    | 3.6                  |
| % Moisture                                                  | 0.1  | %        | 16                   | 16                   | 14                   | 9.6                  |
| <b>Ion Exchange Properties</b>                              |      |          |                      |                      |                      |                      |
| Cation Exchange Capacity                                    | 0.05 | meq/100g | 11                   | -                    | -                    | -                    |
| <b>Heavy Metals</b>                                         |      |          |                      |                      |                      |                      |
| Arsenic                                                     | 2    | mg/kg    | 4.2                  | 4.9                  | 2.6                  | 4.8                  |
| Cadmium                                                     | 0.4  | mg/kg    | < 0.4                | < 0.4                | < 0.4                | < 0.4                |
| Chromium                                                    | 5    | mg/kg    | < 5                  | 14                   | 10                   | 8.3                  |
| Copper                                                      | 5    | mg/kg    | 87                   | 36                   | < 5                  | 140                  |
| Lead                                                        | 5    | mg/kg    | 51                   | 27                   | 9.3                  | 88                   |
| Mercury                                                     | 0.05 | mg/kg    | 0.08                 | < 0.05               | < 0.05               | 0.08                 |
| Nickel                                                      | 5    | mg/kg    | < 5                  | < 5                  | < 5                  | 8.2                  |
| Zinc                                                        | 5    | mg/kg    | 180                  | 28                   | 6.3                  | 130                  |

| Client Sample ID                                            |      |       | BH18 1.0-2.0<br>Soil | BH18 2.0-3.0<br>Soil | BH05 3.5-4.0<br>Soil | BH07 3.0-4.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06633          | S15-De06634          | S15-De06637          | S15-De06638          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| TRH C6-C9                                                   | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C10-C14                                                 | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C15-C28                                                 | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH C29-C36                                                 | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH C10-36 (Total)                                          | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | -                    | -                    | < 5                  | < 5                  |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Allyl chloride                                              | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Benzene                                                     | 0.1  | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| Bromobenzene                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Bromochloromethane                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Bromodichloromethane                                        | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Bromoform                                                   | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Bromomethane                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Carbon disulfide                                            | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Chlorobenzene                                               | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Chloroethane                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Chloroform                                                  | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Chloromethane                                               | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Dibromochloromethane                                        | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Dibromomethane                                              | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Ethylbenzene                                                | 0.1  | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| Iodomethane                                                 | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| m&p-Xylenes                                                 | 0.2  | mg/kg | -                    | -                    | < 0.2                | < 0.2                |
| Methylene Chloride                                          | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |

| Client Sample ID                                            |      |       | BH18 1.0-2.0<br>Soil | BH18 2.0-3.0<br>Soil | BH05 3.5-4.0<br>Soil | BH07 3.0-4.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06633          | S15-De06634          | S15-De06637          | S15-De06638          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Volatile Organics</b>                                    |      |       |                      |                      |                      |                      |
| o-Xylene                                                    | 0.1  | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| Styrene                                                     | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Tetrachloroethene                                           | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Toluene                                                     | 0.1  | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| trans-1.2-Dichloroethene                                    | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| trans-1.3-Dichloropropene                                   | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Trichloroethene                                             | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Trichlorofluoromethane                                      | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Vinyl chloride                                              | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Xylenes - Total                                             | 0.3  | mg/kg | -                    | -                    | < 0.3                | < 0.3                |
| Fluorobenzene (surr.)                                       | 1    | %     | -                    | -                    | 103                  | 102                  |
| 4-Bromofluorobenzene (surr.)                                | 1    | %     | -                    | -                    | 105                  | 105                  |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| TRH C6-C10                                                  | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg | < 20                 | < 20                 | < 20                 | < 20                 |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |                      |                      |                      |                      |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg | 0.6                  | 0.6                  | 0.6                  | 0.6                  |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg | 1.2                  | 1.2                  | 1.2                  | 1.2                  |
| Acenaphthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Acenaphthylene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Anthracene                                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benz(a)anthracene                                           | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benzo(a)pyrene                                              | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Chrysene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Fluoranthene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Fluorene                                                    | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Naphthalene                                                 | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Phenanthrene                                                | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Pyrene                                                      | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| Total PAH*                                                  | 0.5  | mg/kg | < 0.5                | < 0.5                | < 0.5                | < 0.5                |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 77                   | 79                   | 78                   | 78                   |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 94                   | 96                   | 97                   | 98                   |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Chlordanes - Total                                          | 0.1  | mg/kg | -                    | -                    | < 0.1                | < 0.1                |
| 4.4'-DDD                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| 4.4'-DDE                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| 4.4'-DDT                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| a-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Aldrin                                                      | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| b-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| d-BHC                                                       | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |



| Client Sample ID                                            |      |       | BH18 1.0-2.0<br>Soil | BH18 2.0-3.0<br>Soil | BH05 3.5-4.0<br>Soil | BH07 3.0-4.0<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|----------------------|----------------------|----------------------|
| Sample Matrix                                               |      |       | S15-De06633          | S15-De06634          | S15-De06637          | S15-De06638          |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         | Dec 06, 2015         |
| Date Sampled                                                |      |       |                      |                      |                      |                      |
| Test/Reference                                              | LOR  | Unit  |                      |                      |                      |                      |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |                      |                      |                      |
| Dieldrin                                                    | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endosulfan I                                                | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endosulfan II                                               | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endosulfan sulphate                                         | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endrin                                                      | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endrin aldehyde                                             | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Endrin ketone                                               | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| g-BHC (Lindane)                                             | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Heptachlor                                                  | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Heptachlor epoxide                                          | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Hexachlorobenzene                                           | 0.05 | mg/kg | -                    | -                    | < 0.05               | < 0.05               |
| Methoxychlor                                                | 0.2  | mg/kg | -                    | -                    | < 0.2                | < 0.2                |
| Toxaphene                                                   | 1    | mg/kg | -                    | -                    | < 1                  | < 1                  |
| Dibutylchloredate (surr.)                                   | 1    | %     | -                    | -                    | 85                   | 93                   |
| Tetrachloro-m-xylene (surr.)                                | 1    | %     | -                    | -                    | 100                  | 98                   |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |      |       |                      |                      |                      |                      |
| Aroclor-1016                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1232                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1242                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1248                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1254                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Aroclor-1260                                                | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Total PCB*                                                  | 0.5  | mg/kg | -                    | -                    | < 0.5                | < 0.5                |
| Dibutylchloredate (surr.)                                   | 1    | %     | -                    | -                    | 85                   | 93                   |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |                      |                      |                      |
| TRH >C10-C16                                                | 50   | mg/kg | < 50                 | < 50                 | < 50                 | < 50                 |
| TRH >C16-C34                                                | 100  | mg/kg | < 100                | < 100                | < 100                | < 100                |
| TRH >C34-C40                                                | 100  | mg/kg | < 100                | < 100                | < 100                | < 100                |
|                                                             |      |       |                      |                      |                      |                      |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %     | -                    | -                    | 4.7                  | 0.5                  |
| % Moisture                                                  | 0.1  | %     | 19                   | 16                   | 18                   | 14                   |
| <b>Heavy Metals</b>                                         |      |       |                      |                      |                      |                      |
| Arsenic                                                     | 2    | mg/kg | 3.6                  | 3.2                  | 8.2                  | 3.6                  |
| Cadmium                                                     | 0.4  | mg/kg | < 0.4                | < 0.4                | < 0.4                | < 0.4                |
| Chromium                                                    | 5    | mg/kg | 6.5                  | 6.7                  | 13                   | 13                   |
| Copper                                                      | 5    | mg/kg | 8.1                  | 9.2                  | 530                  | 7.7                  |
| Lead                                                        | 5    | mg/kg | 9.8                  | 12                   | 150                  | 20                   |
| Mercury                                                     | 0.05 | mg/kg | < 0.05               | < 0.05               | 0.06                 | < 0.05               |
| Nickel                                                      | 5    | mg/kg | < 5                  | < 5                  | 16                   | < 5                  |
| Zinc                                                        | 5    | mg/kg | < 5                  | < 5                  | 220                  | < 5                  |

| Client Sample ID                                            |      |       | BH12 6.5-7.0 | QC01         | QC02         | QC03         |
|-------------------------------------------------------------|------|-------|--------------|--------------|--------------|--------------|
| Sample Matrix                                               |      |       | Soil         | Soil         | Soil         | Soil         |
| Eurofins   mgt Sample No.                                   |      |       | S15-De06639  | S15-De06640  | S15-De06641  | S15-De06642  |
| Date Sampled                                                |      |       | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                              | LOR  | Unit  |              |              |              |              |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |      |       |              |              |              |              |
| TRH C6-C9                                                   | 20   | mg/kg | < 20         | < 20         | < 20         | < 20         |
| TRH C10-C14                                                 | 20   | mg/kg | < 20         | < 20         | < 20         | < 20         |
| TRH C15-C28                                                 | 50   | mg/kg | < 50         | < 50         | < 50         | < 50         |
| TRH C29-C36                                                 | 50   | mg/kg | < 50         | < 50         | < 50         | < 50         |
| TRH C10-36 (Total)                                          | 50   | mg/kg | < 50         | < 50         | < 50         | < 50         |
| <b>Volatile Organics</b>                                    |      |       |              |              |              |              |
| 1.1-Dichloroethane                                          | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.1-Dichloroethene                                          | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.1.1-Trichloroethane                                       | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.1.1.2-Tetrachloroethane                                   | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.1.2-Trichloroethane                                       | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.1.2.2-Tetrachloroethane                                   | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.2-Dibromoethane                                           | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.2-Dichlorobenzene                                         | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.2-Dichloroethane                                          | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.2-Dichloropropane                                         | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.2.3-Trichloropropane                                      | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.2.4-Trimethylbenzene                                      | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.3-Dichlorobenzene                                         | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.3-Dichloropropane                                         | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.3.5-Trimethylbenzene                                      | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 1.4-Dichlorobenzene                                         | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 2-Butanone (MEK)                                            | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 2-Propanone (Acetone)                                       | 5    | mg/kg | -            | < 5          | < 5          | -            |
| 4-Chlorotoluene                                             | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| 4-Methyl-2-pentanone (MIBK)                                 | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Allyl chloride                                              | 0.05 | mg/kg | -            | < 0.05       | < 0.05       | -            |
| Benzene                                                     | 0.1  | mg/kg | -            | < 0.1        | < 0.1        | -            |
| Bromobenzene                                                | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Bromochloromethane                                          | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Bromodichloromethane                                        | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Bromoform                                                   | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Bromomethane                                                | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Carbon disulfide                                            | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Carbon Tetrachloride                                        | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Chlorobenzene                                               | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Chloroethane                                                | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Chloroform                                                  | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Chloromethane                                               | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| cis-1.2-Dichloroethene                                      | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| cis-1.3-Dichloropropene                                     | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Dibromochloromethane                                        | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Dibromomethane                                              | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Dichlorodifluoromethane                                     | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Ethylbenzene                                                | 0.1  | mg/kg | -            | < 0.1        | < 0.1        | -            |
| Iodomethane                                                 | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Isopropyl benzene (Cumene)                                  | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| m&p-Xylenes                                                 | 0.2  | mg/kg | -            | < 0.2        | < 0.2        | -            |
| Methylene Chloride                                          | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |

| Client Sample ID                                            |      |       | BH12 6.5-7.0 | QC01         | QC02         | QC03         |
|-------------------------------------------------------------|------|-------|--------------|--------------|--------------|--------------|
| Sample Matrix                                               |      |       | Soil         | Soil         | Soil         | Soil         |
| Eurofins   mgt Sample No.                                   |      |       | S15-De06639  | S15-De06640  | S15-De06641  | S15-De06642  |
| Date Sampled                                                |      |       | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                              | LOR  | Unit  |              |              |              |              |
| <b>Volatile Organics</b>                                    |      |       |              |              |              |              |
| o-Xylene                                                    | 0.1  | mg/kg | -            | < 0.1        | < 0.1        | -            |
| Styrene                                                     | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Tetrachloroethene                                           | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Toluene                                                     | 0.1  | mg/kg | -            | < 0.1        | < 0.1        | -            |
| trans-1.2-Dichloroethene                                    | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| trans-1.3-Dichloropropene                                   | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Trichloroethene                                             | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Trichlorofluoromethane                                      | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Vinyl chloride                                              | 0.5  | mg/kg | -            | < 0.5        | < 0.5        | -            |
| Xylenes - Total                                             | 0.3  | mg/kg | -            | < 0.3        | < 0.3        | -            |
| Fluorobenzene (surr.)                                       | 1    | %     | -            | 102          | 104          | -            |
| 4-Bromofluorobenzene (surr.)                                | 1    | %     | -            | 105          | 105          | -            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |              |              |              |              |
| Naphthalene <sup>N02</sup>                                  | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| TRH C6-C10                                                  | 20   | mg/kg | < 20         | < 20         | < 20         | < 20         |
| TRH C6-C10 less BTEX (F1) <sup>N04</sup>                    | 20   | mg/kg | < 20         | < 20         | < 20         | < 20         |
| TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>           | 50   | mg/kg | < 50         | < 50         | < 50         | < 50         |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |      |       |              |              |              |              |
| Benzo(a)pyrene TEQ (lower bound) *                          | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzo(a)pyrene TEQ (medium bound) *                         | 0.5  | mg/kg | 0.6          | 0.6          | 0.6          | 0.6          |
| Benzo(a)pyrene TEQ (upper bound) *                          | 0.5  | mg/kg | 1.2          | 1.2          | 1.2          | 1.2          |
| Acenaphthene                                                | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Acenaphthylene                                              | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Anthracene                                                  | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benz(a)anthracene                                           | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzo(a)pyrene                                              | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzo(g,h,i)perylene                                        | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzo(k)fluoranthene                                        | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chrysene                                                    | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibenz(a,h)anthracene                                       | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Fluoranthene                                                | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Fluorene                                                    | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Indeno(1.2.3-cd)pyrene                                      | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Naphthalene                                                 | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Phenanthrene                                                | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Pyrene                                                      | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Total PAH*                                                  | 0.5  | mg/kg | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2-Fluorobiphenyl (surr.)                                    | 1    | %     | 74           | 77           | 85           | 95           |
| p-Terphenyl-d14 (surr.)                                     | 1    | %     | 95           | 95           | 111          | 119          |
| <b>Organochlorine Pesticides</b>                            |      |       |              |              |              |              |
| Chlordanes - Total                                          | 0.1  | mg/kg | -            | < 0.1        | < 0.1        | -            |
| 4.4'-DDD                                                    | 0.05 | mg/kg | -            | < 0.05       | < 0.05       | -            |
| 4.4'-DDE                                                    | 0.05 | mg/kg | -            | < 0.05       | < 0.05       | -            |
| 4.4'-DDT                                                    | 0.05 | mg/kg | -            | < 0.05       | < 0.05       | -            |
| a-BHC                                                       | 0.05 | mg/kg | -            | < 0.05       | < 0.05       | -            |
| Aldrin                                                      | 0.05 | mg/kg | -            | < 0.05       | < 0.05       | -            |
| b-BHC                                                       | 0.05 | mg/kg | -            | < 0.05       | < 0.05       | -            |
| d-BHC                                                       | 0.05 | mg/kg | -            | < 0.05       | < 0.05       | -            |

| Client Sample ID                                            |      |       | BH12 6.5-7.0<br>Soil | QC01<br>Soil | QC02<br>Soil | QC03<br>Soil |
|-------------------------------------------------------------|------|-------|----------------------|--------------|--------------|--------------|
| Sample Matrix                                               |      |       | S15-De06639          | S15-De06640  | S15-De06641  | S15-De06642  |
| Eurofins   mgt Sample No.                                   |      |       | Dec 06, 2015         | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Date Sampled                                                |      |       |                      |              |              |              |
| Test/Reference                                              | LOR  | Unit  |                      |              |              |              |
| <b>Organochlorine Pesticides</b>                            |      |       |                      |              |              |              |
| Dieldrin                                                    | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Endosulfan I                                                | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Endosulfan II                                               | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Endosulfan sulphate                                         | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Endrin                                                      | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Endrin aldehyde                                             | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Endrin ketone                                               | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| g-BHC (Lindane)                                             | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Heptachlor                                                  | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Heptachlor epoxide                                          | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Hexachlorobenzene                                           | 0.05 | mg/kg | -                    | < 0.05       | < 0.05       | -            |
| Methoxychlor                                                | 0.2  | mg/kg | -                    | < 0.2        | < 0.2        | -            |
| Toxaphene                                                   | 1    | mg/kg | -                    | < 1          | < 1          | -            |
| Dibutylchloredate (surr.)                                   | 1    | %     | -                    | 92           | 107          | -            |
| Tetrachloro-m-xylene (surr.)                                | 1    | %     | -                    | 104          | 112          | -            |
| <b>Polychlorinated Biphenyls</b>                            |      |       |                      |              |              |              |
| Aroclor-1016                                                | 0.5  | mg/kg | -                    | < 0.5        | < 0.5        | -            |
| Aroclor-1221                                                | 0.1  | mg/kg | -                    | < 0.1        | < 0.1        | -            |
| Aroclor-1232                                                | 0.5  | mg/kg | -                    | < 0.5        | < 0.5        | -            |
| Aroclor-1242                                                | 0.5  | mg/kg | -                    | < 0.5        | < 0.5        | -            |
| Aroclor-1248                                                | 0.5  | mg/kg | -                    | < 0.5        | < 0.5        | -            |
| Aroclor-1254                                                | 0.5  | mg/kg | -                    | < 0.5        | < 0.5        | -            |
| Aroclor-1260                                                | 0.5  | mg/kg | -                    | < 0.5        | < 0.5        | -            |
| Total PCB*                                                  | 0.5  | mg/kg | -                    | < 0.5        | < 0.5        | -            |
| Dibutylchloredate (surr.)                                   | 1    | %     | -                    | 92           | 107          | -            |
| Tetrachloro-m-xylene (surr.)                                | 1    | %     | -                    | 104          | 112          | -            |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |      |       |                      |              |              |              |
| TRH >C10-C16                                                | 50   | mg/kg | < 50                 | < 50         | < 50         | < 50         |
| TRH >C16-C34                                                | 100  | mg/kg | < 100                | < 100        | < 100        | < 100        |
| TRH >C34-C40                                                | 100  | mg/kg | < 100                | < 100        | < 100        | < 100        |
|                                                             |      |       |                      |              |              |              |
| Total Organic Carbon <sup>M10</sup>                         | 0.1  | %     | -                    | 0.3          | 0.3          | -            |
| % Moisture                                                  | 0.1  | %     | 14                   | 14           | 12           | 14           |
| <b>Heavy Metals</b>                                         |      |       |                      |              |              |              |
| Arsenic                                                     | 2    | mg/kg | 3.6                  | 9.5          | 54           | < 2          |
| Cadmium                                                     | 0.4  | mg/kg | < 0.4                | < 0.4        | < 0.4        | < 0.4        |
| Chromium                                                    | 5    | mg/kg | 6.0                  | 32           | 19           | < 5          |
| Copper                                                      | 5    | mg/kg | < 5                  | < 5          | 6.5          | < 5          |
| Lead                                                        | 5    | mg/kg | < 5                  | 6.6          | < 5          | < 5          |
| Mercury                                                     | 0.05 | mg/kg | < 0.05               | < 0.05       | < 0.05       | < 0.05       |
| Nickel                                                      | 5    | mg/kg | < 5                  | < 5          | < 5          | < 5          |
| Zinc                                                        | 5    | mg/kg | < 5                  | < 5          | < 5          | < 5          |

## Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description                                                                          | Testing Site | Extracted    | Holding Time |
|--------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions                                 | Sydney       | Dec 09, 2015 | 14 Day       |
| - Method: TRH C6-C36 - LTM-ORG-2010                                                  |              |              |              |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions                                 | Sydney       | Dec 09, 2015 | 14 Day       |
| - Method: TRH C6-C40 - LTM-ORG-2010                                                  |              |              |              |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions                                 | Sydney       | Dec 09, 2015 | 14 Day       |
| - Method: TRH C6-C40 - LTM-ORG-2010                                                  |              |              |              |
| Volatile Organics                                                                    | Sydney       | Dec 09, 2015 | 7 Day        |
| - Method: E016 Volatile Organic Compounds (VOC)                                      |              |              |              |
| Polycyclic Aromatic Hydrocarbons                                                     | Sydney       | Dec 09, 2015 | 14 Day       |
| - Method: E007 Polyaromatic Hydrocarbons (PAH)                                       |              |              |              |
| Organochlorine Pesticides                                                            | Sydney       | Dec 09, 2015 | 14 Day       |
| - Method: E013 Organochlorine Pesticides (OC)                                        |              |              |              |
| Polychlorinated Biphenyls                                                            | Sydney       | Dec 09, 2015 | 28 Day       |
| - Method: E013 Polychlorinated Biphenyls (PCB)                                       |              |              |              |
| Polychlorinated Biphenyls (PCB)                                                      | Sydney       | Dec 09, 2015 | 28 Day       |
| - Method: E013 Polychlorinated Biphenyls (PCB)                                       |              |              |              |
| pH (1:5 Aqueous extract)                                                             | Sydney       | Dec 10, 2015 | 7 Day        |
| - Method: LTM-GEN-7090 pH in soil by ISE                                             |              |              |              |
| Total Organic Carbon                                                                 | Melbourne    | Dec 14, 2015 | 28 Day       |
| - Method: APHA 5310B Total Organic Carbon                                            |              |              |              |
| Metals M8                                                                            | Sydney       | Dec 09, 2015 | 28 Day       |
| - Method: LTM-MET-3040_R0 TOTAL AND DISSOLVED METALS AND MERCURY IN WATERS BY ICP-MS |              |              |              |
| Conductivity (1:5 aqueous extract at 25°C)                                           | Melbourne    | Dec 10, 2015 | 7 Day        |
| - Method: LTM-INO-4030                                                               |              |              |              |
| Ion Exchange Properties                                                              | Melbourne    | Dec 10, 2015 |              |
| % Moisture                                                                           | Sydney       | Dec 07, 2015 | 14 Day       |
| - Method: LTM-GEN-7080 Moisture                                                      |              |              |              |
| SPOCAS Suite                                                                         |              |              |              |
| SPOCAS Suite                                                                         | Brisbane     | Dec 10, 2015 | 6 Week       |
| - Method: LTM-GEN-7050                                                               |              |              |              |
| Extraneous Material                                                                  | Brisbane     | Dec 10, 2015 | 6 Week       |
| - Method: LTM-GEN-7050/7070                                                          |              |              |              |



**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 482392  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 7, 2015 4:42 PM  
**Due:** Dec 14, 2015  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |        |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|---------------|--------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |        |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |               |        |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix | LAB ID      |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH01 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06582 | X                          |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06583 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH02 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06584 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH03 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06585 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06586 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH04 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06587 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH04 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06588 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| BH04 2.0-4.0                                    | Dec 06, 2015 |               | Soil   | S15-De06589 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH04 5.0-5.5                                    | Dec 06, 2015 |               | Soil   | S15-De06590 |                            |      |                          |                      | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |

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**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |      |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 | X                 | X            | X            | X            |                          |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH04 5.5-6.0                                    | Dec 06, 2015 |  | Soil | S15-De06591 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   | X            |              | X            |                          | X                              |
| BH05 0.0-0.1                                    | Dec 06, 2015 |  | Soil | S15-De06592 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH05 1.0-2.1                                    | Dec 06, 2015 |  | Soil | S15-De06593 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH05 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06594 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH06 0.0-0.5                                    | Dec 06, 2015 |  | Soil | S15-De06595 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH07 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06596 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH07 1.0-1.5                                    | Dec 06, 2015 |  | Soil | S15-De06597 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   | X            |              | X            |                          | X                              |
| BH07 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06598 |                            |      |                          |                      |                                 |                           |                           |           |      |                                 | X                 | X            |              |              |                          |                                |
| BH08 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06599 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH08 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06600 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |      |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polycyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|------|-------------|----------------------------|------|--------------------------|----------------------|----------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                  |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                                | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH08 2.5-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06601 |                            | X    |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH09 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06602 | X                          |      | X                        | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH09 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06603 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH09 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06604 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH09 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06605 |                            |      | X                        |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            | X                        | X                              |
| BH09 6.0-6.5                                    | Dec 06, 2015 |  | Soil | S15-De06606 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| BH09 8.0                                        | Dec 06, 2015 |  | Soil | S15-De06607 |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   | X            | X            |              |                          |                                |
| BH10 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06608 | X                          |      |                          | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH12 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06609 | X                          |      | X                        | X                    | X                                | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH12 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06610 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH12 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06611 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH12 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06612 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH12 4.0-5.0                                    | Dec 06, 2015 |  | Soil | S15-De06613 |                            |      | X                        |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            | X                        | X                              |
| BH12 5.0-6.0                                    | Dec 06, 2015 |  | Soil | S15-De06614 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH13 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06615 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH13 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06616 | X                          |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH13 3.0-3.5                                    | Dec 06, 2015 |  | Soil | S15-De06617 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH14 0.3-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06618 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH15 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06619 |                            |      |                          |                      | X                               | X                         |                           | X         |      | X                               |                   |              |              | X            |                          | X                              |
| BH15 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06620 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH15 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06621 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH15 3.0-3.6                                    | Dec 06, 2015 |  | Soil | S15-De06622 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH16 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06623 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH16 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06624 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH16 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06625 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH16 4.0-4.5                                    | Dec 06, 2015 |  | Soil | S15-De06626 |                            |      | X                        |                      |                                 |                           |                           |           |      |                                 |                   |              |              | X            | X                        |                                |
| BH17 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06627 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH17 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06628 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH17 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06629 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH17 4.0                                        | Dec 06, 2015 |  | Soil | S15-De06630 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |



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| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH17 6.0                                        | Dec 06, 2015 |  | Soil | S15-De06631 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH18 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06632 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH18 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06633 |                            |      |                          | X                    |                                 |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH18 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06634 |                            |      |                          | X                    |                                 |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH18 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06635 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH18 6.0                                        | Dec 06, 2015 |  | Soil | S15-De06636 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH05 3.5-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06637 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH07 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06638 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH12 6.5-7.0                                    | Dec 06, 2015 |  | Soil | S15-De06639 |                            |      |                          | X                    |                                 |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| QC01                                            | Dec 06, 2015 |  | Soil | S15-De06640 | X                          |      |                          | X                    | X                               | X                         | X                         | X         |      |                                 | X                 |              |              | X            |                          | X                              |

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| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |       |             |                            |      |                          | X                    |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |       |             | X                          | X    | X                        |                      | X                                | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |       |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |       |             |                            |      |                          |                      |                                  |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| QC02                                            | Dec 06, 2015 |  | Soil  | S15-De06641 | X                          |      |                          | X                    | X                                | X                         | X                         | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| QC03                                            | Dec 06, 2015 |  | Soil  | S15-De06642 |                            |      |                          |                      | X                                |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| RINSATE                                         | Dec 06, 2015 |  | Water | S15-De06643 |                            |      |                          |                      | X                                | X                         |                           | X         |      | X                               | X                 |              |              |              |                          | X                              |
| TS                                              | Dec 06, 2015 |  | Water | S15-De06644 |                            |      |                          |                      |                                  |                           |                           |           | X    |                                 |                   |              |              |              |                          |                                |
| SB                                              | Dec 06, 2015 |  | Water | S15-De06645 |                            |      |                          |                      |                                  |                           |                           |           | X    |                                 |                   |              |              |              |                          |                                |

## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

**\*\*NOTE:** pH duplicates are reported as a range NOT as RPD

### Units

**mg/kg:** milligrams per Kilogram

**ug/l:** micrograms per litre

**ppb:** Parts per billion

**org/100ml:** Organisms per 100 millilitres

**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

**mg/l:** milligrams per litre

**ppm:** Parts per million

**%:** Percentage

**NTU:** Nephelometric Turbidity Units

### Terms

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                    |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                               |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                        |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                             |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery                                                                                                          |
| <b>CRM</b>              | Certified Reference Material - reported as percent recovery                                                                                                       |
| <b>Method Blank</b>     | In the case of solid samples these are performed on laboratory certified clean sands.<br>In the case of water samples these are performed on de-ionised water.    |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                        |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                  |
| <b>Batch Duplicate</b>  | A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>Batch SPIKE</b>      | Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>USEPA</b>            | United States Environmental Protection Agency                                                                                                                     |
| <b>APHA</b>             | American Public Health Association                                                                                                                                |
| <b>ASLP</b>             | Australian Standard Leaching Procedure (AS4439.3)                                                                                                                 |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                        |
| <b>COC</b>              | Chain of Custody                                                                                                                                                  |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                             |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                             |
| <b>NCP</b>              | Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within |
| <b>TEQ</b>              | Toxic Equivalency Quotient                                                                                                                                        |

### QC - Acceptance Criteria

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

Results <10 times the LOR : No Limit

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

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

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

### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| TRH C6-C9                                                   | mg/kg | < 20     |  |  | 20                | Pass        |                 |
| TRH C10-C14                                                 | mg/kg | < 20     |  |  | 20                | Pass        |                 |
| TRH C15-C28                                                 | mg/kg | < 50     |  |  | 50                | Pass        |                 |
| TRH C29-C36                                                 | mg/kg | < 50     |  |  | 50                | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Volatile Organics</b>                                    |       |          |  |  |                   |             |                 |
| 1.1-Dichloroethane                                          | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1-Dichloroethene                                          | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.1-Trichloroethane                                       | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.1.2-Tetrachloroethane                                   | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.2-Trichloroethane                                       | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.2.2-Tetrachloroethane                                   | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dibromoethane                                           | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichlorobenzene                                         | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichloroethane                                          | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichloropropane                                         | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.3-Trichloropropane                                      | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.4-Trimethylbenzene                                      | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.3-Dichlorobenzene                                         | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.3-Dichloropropane                                         | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.3.5-Trimethylbenzene                                      | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.4-Dichlorobenzene                                         | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 2-Butanone (MEK)                                            | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 2-Propanone (Acetone)                                       | mg/kg | < 5      |  |  | 5                 | Pass        |                 |
| 4-Chlorotoluene                                             | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Allyl chloride                                              | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Benzene                                                     | mg/kg | < 0.1    |  |  | 0.1               | Pass        |                 |
| Bromobenzene                                                | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromochloromethane                                          | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromodichloromethane                                        | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromoform                                                   | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromomethane                                                | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Carbon disulfide                                            | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Carbon Tetrachloride                                        | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chlorobenzene                                               | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chloroethane                                                | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chloroform                                                  | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chloromethane                                               | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| cis-1.2-Dichloroethene                                      | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| cis-1.3-Dichloropropene                                     | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Dibromochloromethane                                        | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Dibromomethane                                              | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Dichlorodifluoromethane                                     | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Ethylbenzene                                                | mg/kg | < 0.1    |  |  | 0.1               | Pass        |                 |
| Iodomethane                                                 | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Isopropyl benzene (Cumene)                                  | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| m&p-Xylenes                                                 | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Methylene Chloride                                          | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| o-Xylene                                                    | mg/kg | < 0.1    |  |  | 0.1               | Pass        |                 |

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| Styrene                                                     | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Tetrachloroethene                                           | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Toluene                                                     | mg/kg | < 0.1    |  |  | 0.1               | Pass        |                 |
| trans-1,2-Dichloroethene                                    | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| trans-1,3-Dichloropropene                                   | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Trichloroethene                                             | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Trichlorofluoromethane                                      | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Vinyl chloride                                              | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Xylenes - Total                                             | mg/kg | < 0.3    |  |  | 0.3               | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| Naphthalene                                                 | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| TRH C6-C10                                                  | mg/kg | < 20     |  |  | 20                | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |       |          |  |  |                   |             |                 |
| Acenaphthene                                                | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Acenaphthylene                                              | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Anthracene                                                  | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Benz(a)anthracene                                           | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Benzo(a)pyrene                                              | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Benzo(b&j)fluoranthene                                      | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Benzo(g,h,i)perylene                                        | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Benzo(k)fluoranthene                                        | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chrysene                                                    | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Dibenz(a,h)anthracene                                       | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Fluoranthene                                                | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Fluorene                                                    | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Indeno(1,2,3-cd)pyrene                                      | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Naphthalene                                                 | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Phenanthrene                                                | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| Pyrene                                                      | mg/kg | < 0.5    |  |  | 0.5               | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Organochlorine Pesticides</b>                            |       |          |  |  |                   |             |                 |
| Chlordanes - Total                                          | mg/kg | < 0.1    |  |  | 0.1               | Pass        |                 |
| 4,4'-DDD                                                    | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| 4,4'-DDE                                                    | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| 4,4'-DDT                                                    | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| α-BHC                                                       | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Aldrin                                                      | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| β-BHC                                                       | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| δ-BHC                                                       | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Dieldrin                                                    | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Endosulfan I                                                | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Endosulfan II                                               | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Endosulfan sulphate                                         | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Endrin                                                      | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Endrin aldehyde                                             | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Endrin ketone                                               | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| γ-BHC (Lindane)                                             | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Heptachlor                                                  | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Heptachlor epoxide                                          | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Hexachlorobenzene                                           | mg/kg | < 0.05   |  |  | 0.05              | Pass        |                 |
| Methoxychlor                                                | mg/kg | < 0.2    |  |  | 0.2               | Pass        |                 |
| Toxaphene                                                   | mg/kg | < 1      |  |  | 1                 | Pass        |                 |

| Test                                                        | Units    | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|----------|----------|--|--|-------------------|-------------|-----------------|
| <b>Method Blank</b>                                         |          |          |  |  |                   |             |                 |
| <b>Polychlorinated Biphenyls</b>                            |          |          |  |  |                   |             |                 |
| Aroclor-1016                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1221                                                | mg/kg    | < 0.1    |  |  | 0.1               | Pass        |                 |
| Aroclor-1232                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1242                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1248                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1254                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1260                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| <b>Method Blank</b>                                         |          |          |  |  |                   |             |                 |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |          |          |  |  |                   |             |                 |
| Aroclor-1016                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1232                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1242                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1248                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1254                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| Aroclor-1260                                                | mg/kg    | < 0.5    |  |  | 0.5               | Pass        |                 |
| <b>Method Blank</b>                                         |          |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |          |          |  |  |                   |             |                 |
| TRH >C10-C16                                                | mg/kg    | < 50     |  |  | 50                | Pass        |                 |
| TRH >C16-C34                                                | mg/kg    | < 100    |  |  | 100               | Pass        |                 |
| TRH >C34-C40                                                | mg/kg    | < 100    |  |  | 100               | Pass        |                 |
| <b>Method Blank</b>                                         |          |          |  |  |                   |             |                 |
| Conductivity (1:5 aqueous extract at 25°C)                  | uS/cm    | < 10     |  |  | 10                | Pass        |                 |
| Total Organic Carbon                                        | %        | < 0.1    |  |  | 0.1               | Pass        |                 |
| <b>Method Blank</b>                                         |          |          |  |  |                   |             |                 |
| <b>Ion Exchange Properties</b>                              |          |          |  |  |                   |             |                 |
| Cation Exchange Capacity                                    | meq/100g | < 0.05   |  |  | 0.05              | Pass        |                 |
| <b>Method Blank</b>                                         |          |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                         |          |          |  |  |                   |             |                 |
| Arsenic                                                     | mg/kg    | < 2      |  |  | 2                 | Pass        |                 |
| Cadmium                                                     | mg/kg    | < 0.4    |  |  | 0.4               | Pass        |                 |
| Chromium                                                    | mg/kg    | < 5      |  |  | 5                 | Pass        |                 |
| Copper                                                      | mg/kg    | < 5      |  |  | 5                 | Pass        |                 |
| Lead                                                        | mg/kg    | < 5      |  |  | 5                 | Pass        |                 |
| Mercury                                                     | mg/kg    | < 0.05   |  |  | 0.05              | Pass        |                 |
| Nickel                                                      | mg/kg    | < 5      |  |  | 5                 | Pass        |                 |
| Zinc                                                        | mg/kg    | < 5      |  |  | 5                 | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |          |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |          |          |  |  |                   |             |                 |
| TRH C6-C9                                                   | %        | 95       |  |  | 70-130            | Pass        |                 |
| TRH C10-C14                                                 | %        | 81       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |          |          |  |  |                   |             |                 |
| <b>Volatile Organics</b>                                    |          |          |  |  |                   |             |                 |
| 1.1-Dichloroethane                                          | %        | 77       |  |  | 70-130            | Pass        |                 |
| 1.1-Dichloroethene                                          | %        | 103      |  |  | 70-130            | Pass        |                 |
| 1.1.1-Trichloroethane                                       | %        | 99       |  |  | 70-130            | Pass        |                 |
| 1.1.1.2-Tetrachloroethane                                   | %        | 99       |  |  | 70-130            | Pass        |                 |
| 1.1.2-Trichloroethane                                       | %        | 100      |  |  | 70-130            | Pass        |                 |
| 1.1.2.2-Tetrachloroethane                                   | %        | 103      |  |  | 70-130            | Pass        |                 |
| 1.2-Dibromoethane                                           | %        | 99       |  |  | 70-130            | Pass        |                 |
| 1.2-Dichlorobenzene                                         | %        | 97       |  |  | 70-130            | Pass        |                 |
| 1.2-Dichloroethane                                          | %        | 98       |  |  | 70-130            | Pass        |                 |
| 1.2-Dichloropropane                                         | %        | 97       |  |  | 70-130            | Pass        |                 |



| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| 1.2.3-Trichloropropane                                      | %     | 104      |  |  | 70-130            | Pass        |                 |
| 1.2.4-Trimethylbenzene                                      | %     | 93       |  |  | 70-130            | Pass        |                 |
| 1.3-Dichlorobenzene                                         | %     | 95       |  |  | 70-130            | Pass        |                 |
| 1.3-Dichloropropane                                         | %     | 99       |  |  | 70-130            | Pass        |                 |
| 1.3.5-Trimethylbenzene                                      | %     | 93       |  |  | 70-130            | Pass        |                 |
| 1.4-Dichlorobenzene                                         | %     | 95       |  |  | 70-130            | Pass        |                 |
| 2-Butanone (MEK)                                            | %     | 103      |  |  | 70-130            | Pass        |                 |
| 2-Propanone (Acetone)                                       | %     | 115      |  |  | 70-130            | Pass        |                 |
| 4-Chlorotoluene                                             | %     | 93       |  |  | 70-130            | Pass        |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | %     | 101      |  |  | 70-130            | Pass        |                 |
| Allyl chloride                                              | %     | 97       |  |  | 75-125            | Pass        |                 |
| Benzene                                                     | %     | 98       |  |  | 70-130            | Pass        |                 |
| Bromobenzene                                                | %     | 95       |  |  | 70-130            | Pass        |                 |
| Bromochloromethane                                          | %     | 98       |  |  | 70-130            | Pass        |                 |
| Bromodichloromethane                                        | %     | 97       |  |  | 70-130            | Pass        |                 |
| Bromoform                                                   | %     | 102      |  |  | 70-130            | Pass        |                 |
| Bromomethane                                                | %     | 81       |  |  | 70-130            | Pass        |                 |
| Carbon disulfide                                            | %     | 104      |  |  | 70-130            | Pass        |                 |
| Carbon Tetrachloride                                        | %     | 96       |  |  | 70-130            | Pass        |                 |
| Chlorobenzene                                               | %     | 98       |  |  | 70-130            | Pass        |                 |
| Chloroform                                                  | %     | 97       |  |  | 70-130            | Pass        |                 |
| Chloromethane                                               | %     | 118      |  |  | 70-130            | Pass        |                 |
| cis-1.2-Dichloroethene                                      | %     | 99       |  |  | 70-130            | Pass        |                 |
| cis-1.3-Dichloropropene                                     | %     | 93       |  |  | 70-130            | Pass        |                 |
| Dibromochloromethane                                        | %     | 98       |  |  | 70-130            | Pass        |                 |
| Dibromomethane                                              | %     | 99       |  |  | 70-130            | Pass        |                 |
| Dichlorodifluoromethane                                     | %     | 119      |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                                                | %     | 96       |  |  | 70-130            | Pass        |                 |
| Iodomethane                                                 | %     | 112      |  |  | 70-130            | Pass        |                 |
| Isopropyl benzene (Cumene)                                  | %     | 96       |  |  | 70-130            | Pass        |                 |
| m&p-Xylenes                                                 | %     | 96       |  |  | 70-130            | Pass        |                 |
| Methylene Chloride                                          | %     | 119      |  |  | 70-130            | Pass        |                 |
| o-Xylene                                                    | %     | 99       |  |  | 70-130            | Pass        |                 |
| Styrene                                                     | %     | 96       |  |  | 70-130            | Pass        |                 |
| Tetrachloroethene                                           | %     | 93       |  |  | 70-130            | Pass        |                 |
| Toluene                                                     | %     | 97       |  |  | 70-130            | Pass        |                 |
| trans-1.2-Dichloroethene                                    | %     | 101      |  |  | 70-130            | Pass        |                 |
| trans-1.3-Dichloropropene                                   | %     | 93       |  |  | 70-130            | Pass        |                 |
| Trichloroethene                                             | %     | 95       |  |  | 70-130            | Pass        |                 |
| Trichlorofluoromethane                                      | %     | 92       |  |  | 70-130            | Pass        |                 |
| Vinyl chloride                                              | %     | 118      |  |  | 70-130            | Pass        |                 |
| Xylenes - Total                                             | %     | 80       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| Naphthalene                                                 | %     | 94       |  |  | 70-130            | Pass        |                 |
| TRH C6-C10                                                  | %     | 97       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |       |          |  |  |                   |             |                 |
| Acenaphthene                                                | %     | 87       |  |  | 70-130            | Pass        |                 |
| Acenaphthylene                                              | %     | 83       |  |  | 70-130            | Pass        |                 |
| Anthracene                                                  | %     | 104      |  |  | 70-130            | Pass        |                 |
| Benz(a)anthracene                                           | %     | 87       |  |  | 70-130            | Pass        |                 |
| Benzo(a)pyrene                                              | %     | 75       |  |  | 70-130            | Pass        |                 |
| Benzo(b&j)fluoranthene                                      | %     | 73       |  |  | 70-130            | Pass        |                 |

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| Benzo(g,h,i)perylene                                        | %     | 88       |  |  | 70-130            | Pass        |                 |
| Benzo(k)fluoranthene                                        | %     | 84       |  |  | 70-130            | Pass        |                 |
| Chrysene                                                    | %     | 86       |  |  | 70-130            | Pass        |                 |
| Dibenz(a,h)anthracene                                       | %     | 74       |  |  | 70-130            | Pass        |                 |
| Fluoranthene                                                | %     | 96       |  |  | 70-130            | Pass        |                 |
| Fluorene                                                    | %     | 80       |  |  | 70-130            | Pass        |                 |
| Indeno(1,2,3-cd)pyrene                                      | %     | 73       |  |  | 70-130            | Pass        |                 |
| Naphthalene                                                 | %     | 97       |  |  | 70-130            | Pass        |                 |
| Phenanthrene                                                | %     | 109      |  |  | 70-130            | Pass        |                 |
| Pyrene                                                      | %     | 96       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Organochlorine Pesticides</b>                            |       |          |  |  |                   |             |                 |
| Chlordanes - Total                                          | %     | 89       |  |  | 70-130            | Pass        |                 |
| 4,4'-DDD                                                    | %     | 90       |  |  | 70-130            | Pass        |                 |
| 4,4'-DDE                                                    | %     | 89       |  |  | 70-130            | Pass        |                 |
| 4,4'-DDT                                                    | %     | 82       |  |  | 70-130            | Pass        |                 |
| a-BHC                                                       | %     | 89       |  |  | 70-130            | Pass        |                 |
| Aldrin                                                      | %     | 92       |  |  | 70-130            | Pass        |                 |
| b-BHC                                                       | %     | 89       |  |  | 70-130            | Pass        |                 |
| d-BHC                                                       | %     | 95       |  |  | 70-130            | Pass        |                 |
| Dieldrin                                                    | %     | 90       |  |  | 70-130            | Pass        |                 |
| Endosulfan I                                                | %     | 92       |  |  | 70-130            | Pass        |                 |
| Endosulfan II                                               | %     | 92       |  |  | 70-130            | Pass        |                 |
| Endosulfan sulphate                                         | %     | 97       |  |  | 70-130            | Pass        |                 |
| Endrin                                                      | %     | 89       |  |  | 70-130            | Pass        |                 |
| Endrin aldehyde                                             | %     | 98       |  |  | 70-130            | Pass        |                 |
| Endrin ketone                                               | %     | 96       |  |  | 70-130            | Pass        |                 |
| g-BHC (Lindane)                                             | %     | 90       |  |  | 70-130            | Pass        |                 |
| Heptachlor                                                  | %     | 91       |  |  | 70-130            | Pass        |                 |
| Heptachlor epoxide                                          | %     | 88       |  |  | 70-130            | Pass        |                 |
| Hexachlorobenzene                                           | %     | 88       |  |  | 70-130            | Pass        |                 |
| Methoxychlor                                                | %     | 95       |  |  | 70-130            | Pass        |                 |
| Toxaphene                                                   | %     | 95       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Polychlorinated Biphenyls</b>                            |       |          |  |  |                   |             |                 |
| Aroclor-1260                                                | %     | 100      |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |       |          |  |  |                   |             |                 |
| Aroclor-1260                                                | %     | 100      |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| TRH >C10-C16                                                | %     | 80       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| Total Organic Carbon                                        | %     | 94       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                     |       |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                         |       |          |  |  |                   |             |                 |
| Arsenic                                                     | %     | 104      |  |  | 70-130            | Pass        |                 |
| Cadmium                                                     | %     | 95       |  |  | 70-130            | Pass        |                 |
| Chromium                                                    | %     | 96       |  |  | 70-130            | Pass        |                 |
| Copper                                                      | %     | 98       |  |  | 70-130            | Pass        |                 |
| Lead                                                        | %     | 104      |  |  | 70-130            | Pass        |                 |
| Mercury                                                     | %     | 101      |  |  | 70-130            | Pass        |                 |
| Nickel                                                      | %     | 96       |  |  | 70-130            | Pass        |                 |
| Zinc                                                        | %     | 105      |  |  | 70-130            | Pass        |                 |

| Test                                                        | Lab Sample ID | QA Source | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|---------------|-----------|-------|----------|--|--|-------------------|-------------|-----------------|
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |       | Result 1 |  |  |                   |             |                 |
| Arsenic                                                     | S15-De06583   | CP        | %     | 122      |  |  | 70-130            | Pass        |                 |
| Cadmium                                                     | S15-De06583   | CP        | %     | 106      |  |  | 70-130            | Pass        |                 |
| Chromium                                                    | S15-De06583   | CP        | %     | 101      |  |  | 70-130            | Pass        |                 |
| Copper                                                      | S15-De06583   | CP        | %     | 85       |  |  | 70-130            | Pass        |                 |
| Mercury                                                     | S15-De06583   | CP        | %     | 71       |  |  | 70-130            | Pass        |                 |
| Nickel                                                      | S15-De06583   | CP        | %     | 117      |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Organochlorine Pesticides</b>                            |               |           |       | Result 1 |  |  |                   |             |                 |
| Chlordanes - Total                                          | S15-De06888   | NCP       | %     | 82       |  |  | 70-130            | Pass        |                 |
| 4,4'-DDD                                                    | S15-De06888   | NCP       | %     | 100      |  |  | 70-130            | Pass        |                 |
| 4,4'-DDE                                                    | S15-De06888   | NCP       | %     | 86       |  |  | 70-130            | Pass        |                 |
| 4,4'-DDT                                                    | S15-De06888   | NCP       | %     | 71       |  |  | 70-130            | Pass        |                 |
| a-BHC                                                       | S15-De06888   | NCP       | %     | 81       |  |  | 70-130            | Pass        |                 |
| Aldrin                                                      | S15-De06888   | NCP       | %     | 73       |  |  | 70-130            | Pass        |                 |
| b-BHC                                                       | S15-De06888   | NCP       | %     | 80       |  |  | 70-130            | Pass        |                 |
| d-BHC                                                       | S15-De06888   | NCP       | %     | 83       |  |  | 70-130            | Pass        |                 |
| Dieldrin                                                    | S15-De06888   | NCP       | %     | 86       |  |  | 70-130            | Pass        |                 |
| Endosulfan I                                                | S15-De06888   | NCP       | %     | 85       |  |  | 70-130            | Pass        |                 |
| Endosulfan II                                               | S15-De06888   | NCP       | %     | 86       |  |  | 70-130            | Pass        |                 |
| Endosulfan sulphate                                         | S15-De06888   | NCP       | %     | 90       |  |  | 70-130            | Pass        |                 |
| Endrin                                                      | S15-De06888   | NCP       | %     | 87       |  |  | 70-130            | Pass        |                 |
| Endrin aldehyde                                             | S15-De06888   | NCP       | %     | 96       |  |  | 70-130            | Pass        |                 |
| Endrin ketone                                               | S15-De06888   | NCP       | %     | 93       |  |  | 70-130            | Pass        |                 |
| g-BHC (Lindane)                                             | S15-De06888   | NCP       | %     | 80       |  |  | 70-130            | Pass        |                 |
| Heptachlor                                                  | S15-De06888   | NCP       | %     | 91       |  |  | 70-130            | Pass        |                 |
| Heptachlor epoxide                                          | S15-De06888   | NCP       | %     | 76       |  |  | 70-130            | Pass        |                 |
| Hexachlorobenzene                                           | S15-De06888   | NCP       | %     | 80       |  |  | 70-130            | Pass        |                 |
| Methoxychlor                                                | S15-De06888   | NCP       | %     | 94       |  |  | 70-130            | Pass        |                 |
| Toxaphene                                                   | S15-De06888   | NCP       | %     | 94       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Polychlorinated Biphenyls</b>                            |               |           |       | Result 1 |  |  |                   |             |                 |
| Aroclor-1260                                                | S15-De06888   | NCP       | %     | 77       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Polychlorinated Biphenyls (PCB)</b>                      |               |           |       | Result 1 |  |  |                   |             |                 |
| Aroclor-1260                                                | S15-De06888   | NCP       | %     | 77       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| TRH C6-C9                                                   | S15-De06589   | CP        | %     | 71       |  |  | 70-130            | Pass        |                 |
| TRH C10-C14                                                 | S15-De06589   | CP        | %     | 100      |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Volatile Organics</b>                                    |               |           |       | Result 1 |  |  |                   |             |                 |
| Benzene                                                     | S15-De06589   | CP        | %     | 80       |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                                                | S15-De06589   | CP        | %     | 77       |  |  | 70-130            | Pass        |                 |
| m&p-Xylenes                                                 | S15-De06589   | CP        | %     | 80       |  |  | 70-130            | Pass        |                 |
| o-Xylene                                                    | S15-De06589   | CP        | %     | 80       |  |  | 70-130            | Pass        |                 |
| Toluene                                                     | S15-De06589   | CP        | %     | 78       |  |  | 70-130            | Pass        |                 |
| Xylenes - Total                                             | S15-De06589   | CP        | %     | 80       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| Naphthalene                                                 | S15-De06589   | CP        | %     | 84       |  |  | 70-130            | Pass        |                 |
| TRH C6-C10                                                  | S15-De06589   | CP        | %     | 72       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |

| Test                                                        | Lab Sample ID | QA Source | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|---------------|-----------|-------|----------|--|--|-------------------|-------------|-----------------|
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| TRH >C10-C16                                                | S15-De06589   | CP        | %     | 99       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |               |           |       | Result 1 |  |  |                   |             |                 |
| Acenaphthene                                                | S15-De06593   | CP        | %     | 74       |  |  | 70-130            | Pass        |                 |
| Acenaphthylene                                              | S15-De06593   | CP        | %     | 75       |  |  | 70-130            | Pass        |                 |
| Anthracene                                                  | S15-De06593   | CP        | %     | 85       |  |  | 70-130            | Pass        |                 |
| Benz(a)anthracene                                           | S15-De06593   | CP        | %     | 100      |  |  | 70-130            | Pass        |                 |
| Benzo(a)pyrene                                              | S15-De06593   | CP        | %     | 91       |  |  | 70-130            | Pass        |                 |
| Benzo(b&j)fluoranthene                                      | S15-De06593   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| Benzo(g,h,i)perylene                                        | S15-De06593   | CP        | %     | 77       |  |  | 70-130            | Pass        |                 |
| Benzo(k)fluoranthene                                        | S15-De06593   | CP        | %     | 82       |  |  | 70-130            | Pass        |                 |
| Chrysene                                                    | S15-De06593   | CP        | %     | 87       |  |  | 70-130            | Pass        |                 |
| Dibenz(a,h)anthracene                                       | S15-De06593   | CP        | %     | 71       |  |  | 70-130            | Pass        |                 |
| Fluoranthene                                                | S15-De06593   | CP        | %     | 77       |  |  | 70-130            | Pass        |                 |
| Fluorene                                                    | S15-De06593   | CP        | %     | 72       |  |  | 70-130            | Pass        |                 |
| Indeno(1,2,3-cd)pyrene                                      | S15-De06593   | CP        | %     | 73       |  |  | 70-130            | Pass        |                 |
| Naphthalene                                                 | S15-De06593   | CP        | %     | 83       |  |  | 70-130            | Pass        |                 |
| Phenanthrene                                                | S15-De06593   | CP        | %     | 87       |  |  | 70-130            | Pass        |                 |
| Pyrene                                                      | S15-De06593   | CP        | %     | 79       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |       | Result 1 |  |  |                   |             |                 |
| Arsenic                                                     | S15-De06593   | CP        | %     | 99       |  |  | 70-130            | Pass        |                 |
| Cadmium                                                     | S15-De06593   | CP        | %     | 104      |  |  | 70-130            | Pass        |                 |
| Mercury                                                     | S15-De06593   | CP        | %     | 93       |  |  | 70-130            | Pass        |                 |
| Nickel                                                      | S15-De06593   | CP        | %     | 77       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |       | Result 1 |  |  |                   |             |                 |
| Arsenic                                                     | S15-De06606   | CP        | %     | 116      |  |  | 70-130            | Pass        |                 |
| Cadmium                                                     | S15-De06606   | CP        | %     | 108      |  |  | 70-130            | Pass        |                 |
| Chromium                                                    | S15-De06606   | CP        | %     | 98       |  |  | 70-130            | Pass        |                 |
| Copper                                                      | S15-De06606   | CP        | %     | 115      |  |  | 70-130            | Pass        |                 |
| Mercury                                                     | S15-De06606   | CP        | %     | 98       |  |  | 70-130            | Pass        |                 |
| Nickel                                                      | S15-De06606   | CP        | %     | 106      |  |  | 70-130            | Pass        |                 |
| Zinc                                                        | S15-De06606   | CP        | %     | 114      |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |       | Result 1 |  |  |                   |             |                 |
| Arsenic                                                     | S15-De06608   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| Cadmium                                                     | S15-De06608   | CP        | %     | 94       |  |  | 70-130            | Pass        |                 |
| Chromium                                                    | S15-De06608   | CP        | %     | 71       |  |  | 70-130            | Pass        |                 |
| Mercury                                                     | S15-De06608   | CP        | %     | 72       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| TRH C6-C9                                                   | S15-De06612   | CP        | %     | 95       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Volatile Organics</b>                                    |               |           |       | Result 1 |  |  |                   |             |                 |
| Benzene                                                     | S15-De06612   | CP        | %     | 90       |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                                                | S15-De06612   | CP        | %     | 96       |  |  | 70-130            | Pass        |                 |
| m&p-Xylenes                                                 | S15-De06612   | CP        | %     | 100      |  |  | 70-130            | Pass        |                 |
| o-Xylene                                                    | S15-De06612   | CP        | %     | 101      |  |  | 70-130            | Pass        |                 |
| Toluene                                                     | S15-De06612   | CP        | %     | 95       |  |  | 70-130            | Pass        |                 |
| Xylenes - Total                                             | S15-De06612   | CP        | %     | 100      |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |

| Test                                                        | Lab Sample ID | QA Source | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|---------------|-----------|-------|----------|--|--|-------------------|-------------|-----------------|
| Naphthalene                                                 | S15-De06612   | CP        | %     | 126      |  |  | 70-130            | Pass        |                 |
| TRH C6-C10                                                  | S15-De06612   | CP        | %     | 96       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| TRH C10-C14                                                 | S15-De06613   | CP        | %     | 82       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| TRH >C10-C16                                                | S15-De06613   | CP        | %     | 82       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |               |           |       | Result 1 |  |  |                   |             |                 |
| Acenaphthene                                                | S15-De06618   | CP        | %     | 81       |  |  | 70-130            | Pass        |                 |
| Acenaphthylene                                              | S15-De06618   | CP        | %     | 76       |  |  | 70-130            | Pass        |                 |
| Anthracene                                                  | S15-De06618   | CP        | %     | 80       |  |  | 70-130            | Pass        |                 |
| Benz(a)anthracene                                           | S15-De06618   | CP        | %     | 76       |  |  | 70-130            | Pass        |                 |
| Benzo(a)pyrene                                              | S15-De06618   | CP        | %     | 77       |  |  | 70-130            | Pass        |                 |
| Benzo(b&j)fluoranthene                                      | S15-De06618   | CP        | %     | 72       |  |  | 70-130            | Pass        |                 |
| Benzo(g,h,i)perylene                                        | S15-De06618   | CP        | %     | 81       |  |  | 70-130            | Pass        |                 |
| Benzo(k)fluoranthene                                        | S15-De06618   | CP        | %     | 75       |  |  | 70-130            | Pass        |                 |
| Chrysene                                                    | S15-De06618   | CP        | %     | 72       |  |  | 70-130            | Pass        |                 |
| Dibenz(a,h)anthracene                                       | S15-De06618   | CP        | %     | 79       |  |  | 70-130            | Pass        |                 |
| Fluoranthene                                                | S15-De06618   | CP        | %     | 81       |  |  | 70-130            | Pass        |                 |
| Fluorene                                                    | S15-De06618   | CP        | %     | 74       |  |  | 70-130            | Pass        |                 |
| Indeno(1,2,3-cd)pyrene                                      | S15-De06618   | CP        | %     | 81       |  |  | 70-130            | Pass        |                 |
| Naphthalene                                                 | S15-De06618   | CP        | %     | 80       |  |  | 70-130            | Pass        |                 |
| Phenanthrene                                                | S15-De06618   | CP        | %     | 91       |  |  | 70-130            | Pass        |                 |
| Pyrene                                                      | S15-De06618   | CP        | %     | 82       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |       | Result 1 |  |  |                   |             |                 |
| Arsenic                                                     | S15-De06619   | CP        | %     | 105      |  |  | 70-130            | Pass        |                 |
| Cadmium                                                     | S15-De06619   | CP        | %     | 102      |  |  | 70-130            | Pass        |                 |
| Chromium                                                    | S15-De06619   | CP        | %     | 90       |  |  | 70-130            | Pass        |                 |
| Mercury                                                     | S15-De06619   | CP        | %     | 113      |  |  | 70-130            | Pass        |                 |
| Nickel                                                      | S15-De06619   | CP        | %     | 94       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| TRH C6-C9                                                   | S15-De06627   | CP        | %     | 77       |  |  | 70-130            | Pass        |                 |
| TRH C10-C14                                                 | S15-De06627   | CP        | %     | 98       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Volatile Organics</b>                                    |               |           |       | Result 1 |  |  |                   |             |                 |
| Benzene                                                     | S15-De06627   | CP        | %     | 75       |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                                                | S15-De06627   | CP        | %     | 79       |  |  | 70-130            | Pass        |                 |
| m&p-Xylenes                                                 | S15-De06627   | CP        | %     | 82       |  |  | 70-130            | Pass        |                 |
| o-Xylene                                                    | S15-De06627   | CP        | %     | 85       |  |  | 70-130            | Pass        |                 |
| Toluene                                                     | S15-De06627   | CP        | %     | 78       |  |  | 70-130            | Pass        |                 |
| Xylenes - Total                                             | S15-De06627   | CP        | %     | 83       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| Naphthalene                                                 | S15-De06627   | CP        | %     | 98       |  |  | 70-130            | Pass        |                 |
| TRH C6-C10                                                  | S15-De06627   | CP        | %     | 78       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| TRH >C10-C16                                                | S15-De06627   | CP        | %     | 102      |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Volatile Organics</b>                                    |               |           |       | Result 1 |  |  |                   |             |                 |

| Test                                                        | Lab Sample ID | QA Source | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|---------------|-----------|-------|----------|--|--|-------------------|-------------|-----------------|
| 1.1-Dichloroethane                                          | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| 1.1-Dichloroethene                                          | S15-De06632   | CP        | %     | 84       |  |  | 70-130            | Pass        |                 |
| 1.1.1-Trichloroethane                                       | S15-De06632   | CP        | %     | 91       |  |  | 70-130            | Pass        |                 |
| 1.1.1.2-Tetrachloroethane                                   | S15-De06632   | CP        | %     | 94       |  |  | 70-130            | Pass        |                 |
| 1.1.2-Trichloroethane                                       | S15-De06632   | CP        | %     | 88       |  |  | 70-130            | Pass        |                 |
| 1.1.2.2-Tetrachloroethane                                   | S15-De06632   | CP        | %     | 90       |  |  | 70-130            | Pass        |                 |
| 1.2-Dibromoethane                                           | S15-De06632   | CP        | %     | 85       |  |  | 70-130            | Pass        |                 |
| 1.2-Dichlorobenzene                                         | S15-De06632   | CP        | %     | 87       |  |  | 70-130            | Pass        |                 |
| 1.2-Dichloroethane                                          | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| 1.2-Dichloropropane                                         | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| 1.2.3-Trichloropropane                                      | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| 1.2.4-Trimethylbenzene                                      | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| 1.3-Dichlorobenzene                                         | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| 1.3-Dichloropropane                                         | S15-De06632   | CP        | %     | 87       |  |  | 70-130            | Pass        |                 |
| 1.3.5-Trimethylbenzene                                      | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| 1.4-Dichlorobenzene                                         | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| 2-Butanone (MEK)                                            | S15-De06632   | CP        | %     | 98       |  |  | 70-130            | Pass        |                 |
| 2-Propanone (Acetone)                                       | S15-De06632   | CP        | %     | 87       |  |  | 70-130            | Pass        |                 |
| 4-Chlorotoluene                                             | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | S15-De06632   | CP        | %     | 87       |  |  | 70-130            | Pass        |                 |
| Allyl chloride                                              | S15-De06632   | CP        | %     | 81       |  |  | 75-125            | Pass        |                 |
| Benzene                                                     | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| Bromobenzene                                                | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| Bromochloromethane                                          | S15-De06632   | CP        | %     | 90       |  |  | 70-130            | Pass        |                 |
| Bromodichloromethane                                        | S15-De06632   | CP        | %     | 88       |  |  | 70-130            | Pass        |                 |
| Bromoform                                                   | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| Bromomethane                                                | S15-De06632   | CP        | %     | 90       |  |  | 70-130            | Pass        |                 |
| Carbon disulfide                                            | S15-De06632   | CP        | %     | 82       |  |  | 70-130            | Pass        |                 |
| Carbon Tetrachloride                                        | S15-De06632   | CP        | %     | 88       |  |  | 70-130            | Pass        |                 |
| Chlorobenzene                                               | S15-De06632   | CP        | %     | 91       |  |  | 70-130            | Pass        |                 |
| Chloroform                                                  | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| Chloromethane                                               | S15-De06632   | CP        | %     | 96       |  |  | 70-130            | Pass        |                 |
| cis-1.2-Dichloroethene                                      | S15-De06632   | CP        | %     | 91       |  |  | 70-130            | Pass        |                 |
| cis-1.3-Dichloropropene                                     | S15-De06632   | CP        | %     | 82       |  |  | 70-130            | Pass        |                 |
| Dibromochloromethane                                        | S15-De06632   | CP        | %     | 84       |  |  | 70-130            | Pass        |                 |
| Dibromomethane                                              | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| Dichlorodifluoromethane                                     | S15-De06632   | CP        | %     | 111      |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                                                | S15-De06632   | CP        | %     | 90       |  |  | 70-130            | Pass        |                 |
| Iodomethane                                                 | S15-De06632   | CP        | %     | 92       |  |  | 70-130            | Pass        |                 |
| Isopropyl benzene (Cumene)                                  | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| m&p-Xylenes                                                 | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| Methylene Chloride                                          | S15-De06632   | CP        | %     | 95       |  |  | 70-130            | Pass        |                 |
| o-Xylene                                                    | S15-De06632   | CP        | %     | 90       |  |  | 70-130            | Pass        |                 |
| Styrene                                                     | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| Tetrachloroethene                                           | S15-De06632   | CP        | %     | 86       |  |  | 70-130            | Pass        |                 |
| Toluene                                                     | S15-De06632   | CP        | %     | 87       |  |  | 70-130            | Pass        |                 |
| trans-1.2-Dichloroethene                                    | S15-De06632   | CP        | %     | 89       |  |  | 70-130            | Pass        |                 |
| trans-1.3-Dichloropropene                                   | S15-De06632   | CP        | %     | 82       |  |  | 70-130            | Pass        |                 |
| Trichloroethene                                             | S15-De06632   | CP        | %     | 87       |  |  | 70-130            | Pass        |                 |
| Vinyl chloride                                              | S15-De06632   | CP        | %     | 99       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |       | Result 1 |  |  |                   |             |                 |
| Naphthalene                                                 | S15-De06632   | CP        | %     | 93       |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>                                   |               |           |       |          |  |  |                   |             |                 |



| Test                                                        | Lab Sample ID | QA Source | Units    | Result 1 |          |      | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|---------------|-----------|----------|----------|----------|------|-------------------|-------------|-----------------|
| <b>Heavy Metals</b>                                         |               |           |          | Result 1 |          |      |                   |             |                 |
| Arsenic                                                     | S15-De06633   | CP        | %        | 97       |          |      | 70-130            | Pass        |                 |
| Cadmium                                                     | S15-De06633   | CP        | %        | 106      |          |      | 70-130            | Pass        |                 |
| Chromium                                                    | S15-De06633   | CP        | %        | 100      |          |      | 70-130            | Pass        |                 |
| Copper                                                      | S15-De06633   | CP        | %        | 97       |          |      | 70-130            | Pass        |                 |
| Lead                                                        | S15-De06633   | CP        | %        | 84       |          |      | 70-130            | Pass        |                 |
| Mercury                                                     | S15-De06633   | CP        | %        | 97       |          |      | 70-130            | Pass        |                 |
| Nickel                                                      | S15-De06633   | CP        | %        | 102      |          |      | 70-130            | Pass        |                 |
| Zinc                                                        | S15-De06633   | CP        | %        | 112      |          |      | 70-130            | Pass        |                 |
| Test                                                        | Lab Sample ID | QA Source | Units    | Result 1 |          |      | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Duplicate</b>                                            |               |           |          |          |          |      |                   |             |                 |
| <b>Heavy Metals</b>                                         |               |           |          | Result 1 | Result 2 | RPD  |                   |             |                 |
| Arsenic                                                     | S15-De06582   | CP        | mg/kg    | 11       | 13       | 13   | 30%               | Pass        |                 |
| Cadmium                                                     | S15-De06582   | CP        | mg/kg    | < 0.4    | < 0.4    | <1   | 30%               | Pass        |                 |
| Chromium                                                    | S15-De06582   | CP        | mg/kg    | 5.6      | 6.5      | 14   | 30%               | Pass        |                 |
| Copper                                                      | S15-De06582   | CP        | mg/kg    | 590      | 510      | 14   | 30%               | Pass        |                 |
| Lead                                                        | S15-De06582   | CP        | mg/kg    | 240      | 200      | 20   | 30%               | Pass        |                 |
| Mercury                                                     | S15-De06582   | CP        | mg/kg    | 0.24     | 0.19     | 21   | 30%               | Pass        |                 |
| Nickel                                                      | S15-De06582   | CP        | mg/kg    | 12       | 11       | 9.0  | 30%               | Pass        |                 |
| Zinc                                                        | S15-De06582   | CP        | mg/kg    | 210      | 180      | 13   | 30%               | Pass        |                 |
| <b>Duplicate</b>                                            |               |           |          |          |          |      |                   |             |                 |
|                                                             |               |           |          | Result 1 | Result 2 | RPD  |                   |             |                 |
| Conductivity (1:5 aqueous extract at 25°C)                  | S15-De09294   | NCP       | uS/cm    | 52       | 50       | 4.0  | 30%               | Pass        |                 |
| pH (1:5 Aqueous extract)                                    | S15-De06587   | CP        | pH Units | 8.1      | 8.2      | pass | 30%               | Pass        |                 |
| <b>Duplicate</b>                                            |               |           |          |          |          |      |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |               |           |          | Result 1 | Result 2 | RPD  |                   |             |                 |
| TRH C6-C9                                                   | S15-De06588   | CP        | mg/kg    | < 20     | < 20     | <1   | 30%               | Pass        |                 |
| TRH C10-C14                                                 | S15-De06588   | CP        | mg/kg    | < 20     | < 20     | <1   | 30%               | Pass        |                 |
| TRH C15-C28                                                 | S15-De06588   | CP        | mg/kg    | < 50     | < 50     | <1   | 30%               | Pass        |                 |
| TRH C29-C36                                                 | S15-De06588   | CP        | mg/kg    | < 50     | < 50     | <1   | 30%               | Pass        |                 |
| <b>Duplicate</b>                                            |               |           |          |          |          |      |                   |             |                 |
| <b>Volatile Organics</b>                                    |               |           |          | Result 1 | Result 2 | RPD  |                   |             |                 |
| Benzene                                                     | S15-De06588   | CP        | mg/kg    | < 0.1    | < 0.1    | <1   | 30%               | Pass        |                 |
| Ethylbenzene                                                | S15-De06588   | CP        | mg/kg    | < 0.1    | < 0.1    | <1   | 30%               | Pass        |                 |
| m&p-Xylenes                                                 | S15-De06588   | CP        | mg/kg    | < 0.2    | < 0.2    | <1   | 30%               | Pass        |                 |
| o-Xylene                                                    | S15-De06588   | CP        | mg/kg    | < 0.1    | < 0.1    | <1   | 30%               | Pass        |                 |
| Toluene                                                     | S15-De06588   | CP        | mg/kg    | < 0.1    | < 0.1    | <1   | 30%               | Pass        |                 |
| Xylenes - Total                                             | S15-De06588   | CP        | mg/kg    | < 0.3    | < 0.3    | <1   | 30%               | Pass        |                 |
| <b>Duplicate</b>                                            |               |           |          |          |          |      |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |          | Result 1 | Result 2 | RPD  |                   |             |                 |
| Naphthalene                                                 | S15-De06588   | CP        | mg/kg    | < 0.5    | < 0.5    | <1   | 30%               | Pass        |                 |
| TRH C6-C10                                                  | S15-De06588   | CP        | mg/kg    | < 20     | < 20     | <1   | 30%               | Pass        |                 |
| <b>Duplicate</b>                                            |               |           |          |          |          |      |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |               |           |          | Result 1 | Result 2 | RPD  |                   |             |                 |
| TRH >C10-C16                                                | S15-De06588   | CP        | mg/kg    | < 50     | < 50     | <1   | 30%               | Pass        |                 |
| TRH >C16-C34                                                | S15-De06588   | CP        | mg/kg    | < 100    | < 100    | <1   | 30%               | Pass        |                 |
| TRH >C34-C40                                                | S15-De06588   | CP        | mg/kg    | < 100    | < 100    | <1   | 30%               | Pass        |                 |
| <b>Duplicate</b>                                            |               |           |          |          |          |      |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |               |           |          | Result 1 | Result 2 | RPD  |                   |             |                 |
| Acenaphthene                                                | S15-De06591   | CP        | mg/kg    | < 0.5    | < 0.5    | <1   | 30%               | Pass        |                 |
| Acenaphthylene                                              | S15-De06591   | CP        | mg/kg    | < 0.5    | < 0.5    | <1   | 30%               | Pass        |                 |
| Anthracene                                                  | S15-De06591   | CP        | mg/kg    | < 0.5    | < 0.5    | <1   | 30%               | Pass        |                 |
| Benz(a)anthracene                                           | S15-De06591   | CP        | mg/kg    | < 0.5    | < 0.5    | <1   | 30%               | Pass        |                 |

| Duplicate                                      |             |    |            |          |          |     |     |      |
|------------------------------------------------|-------------|----|------------|----------|----------|-----|-----|------|
| Polycyclic Aromatic Hydrocarbons               |             |    |            | Result 1 | Result 2 | RPD |     |      |
| Benzo(a)pyrene                                 | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(b&j)fluoranthene                         | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(g,h,i)perylene                           | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(k)fluoranthene                           | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chrysene                                       | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dibenz(a,h)anthracene                          | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Fluoranthene                                   | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Fluorene                                       | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Indeno(1,2,3-cd)pyrene                         | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Naphthalene                                    | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Phenanthrene                                   | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Pyrene                                         | S15-De06591 | CP | mg/kg      | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Duplicate                                      |             |    |            |          |          |     |     |      |
| SPOCAS Suite                                   |             |    |            | Result 1 | Result 2 | RPD |     |      |
| pH-KCL                                         | S15-De06591 | CP | pH Units   | 4.6      | 4.6      | <1  | 30% | Pass |
| pH-OX                                          | S15-De06591 | CP | pH Units   | 5.1      | 5.1      | 1.0 | 30% | Pass |
| Acid trail - Titratable Actual Acidity         | S15-De06591 | CP | mol H+/t   | 29       | 29       | <1  | 30% | Pass |
| Acid trail - Titratable Peroxide Acidity       | S15-De06591 | CP | mol H+/t   | 60       | 60       | 1.0 | 30% | Pass |
| Acid trail - Titratable Sulfidic Acidity       | S15-De06591 | CP | mol H+/t   | 31       | 32       | 2.0 | 30% | Pass |
| sulfidic - TAA equiv. S% pyrite                | S15-De06591 | CP | % pyrite S | 0.05     | 0.05     | <1  | 30% | Pass |
| sulfidic - TPA equiv. S% pyrite                | S15-De06591 | CP | % pyrite S | 0.10     | 0.10     | 1.0 | 30% | Pass |
| sulfidic - TSA equiv. S% pyrite                | S15-De06591 | CP | % pyrite S | 0.05     | 0.05     | 2.0 | 30% | Pass |
| Sulfur - KCl Extractable                       | S15-De06591 | CP | % S        | < 0.02   | < 0.02   | <1  | 30% | Pass |
| Sulfur - Peroxide                              | S15-De06591 | CP | % S        | < 0.02   | < 0.02   | <1  | 30% | Pass |
| Sulfur - Peroxide Oxidisable Sulfur            | S15-De06591 | CP | % S        | < 0.02   | < 0.02   | <1  | 30% | Pass |
| acidity - Peroxide Oxidisable Sulfur           | S15-De06591 | CP | mol H+/t   | < 10     | < 10     | <1  | 30% | Pass |
| HCl Extractable Sulfur                         | S15-De06591 | CP | % S        | n/a      | n/a      | n/a | 30% | Pass |
| Net Acid soluble sulfur                        | S15-De06591 | CP | % S        | n/a      | n/a      | n/a | 30% | Pass |
| Net Acid soluble sulfur - acidity units        | S15-De06591 | CP | mol H+/t   | n/a      | n/a      | n/a | 30% | Pass |
| Net Acid soluble sulfur - equivalent S% pyrite | S15-De06591 | CP | % S        | n/a      | n/a      | n/a | 30% | Pass |
| Calcium - KCl Extractable                      | S15-De06591 | CP | % Ca       | < 0.02   | < 0.02   | <1  | 30% | Pass |
| Calcium - Peroxide                             | S15-De06591 | CP | % Ca       | < 0.02   | < 0.02   | <1  | 30% | Pass |
| Acid Reacted Calcium                           | S15-De06591 | CP | % Ca       | < 0.02   | < 0.02   | <1  | 30% | Pass |
| acidity - Acid Reacted Calcium                 | S15-De06591 | CP | mol H+/t   | < 10     | < 10     | <1  | 30% | Pass |
| sulfidic - Acid Reacted Ca equiv. S% pyrite    | S15-De06591 | CP | % S        | < 0.02   | < 0.02   | <1  | 30% | Pass |
| Magnesium - KCl Extractable                    | S15-De06591 | CP | % Mg       | 0.04     | 0.04     | 3.0 | 30% | Pass |
| Magnesium - Peroxide                           | S15-De06591 | CP | % Mg       | 0.04     | 0.04     | 1.0 | 30% | Pass |
| Acid Reacted Magnesium                         | S15-De06591 | CP | % Mg       | < 0.02   | < 0.02   | <1  | 30% | Pass |
| acidity - Acid Reacted Magnesium               | S15-De06591 | CP | mol H+/t   | < 10     | < 10     | <1  | 30% | Pass |
| sulfidic - Acid Reacted Mg equiv. S% pyrite    | S15-De06591 | CP | % S        | < 0.02   | < 0.02   | <1  | 30% | Pass |
| Acid Neutralising Capacity                     | S15-De06591 | CP | %CaCO3     | n/a      | n/a      | n/a | 30% | Pass |
| Acid Neutralising Capacity - Acidity units     | S15-De06591 | CP | mol H+/t   | n/a      | n/a      | n/a | 30% | Pass |
| ANC Fineness Factor                            | S15-De06591 | CP | factor     | 1.5      | 1.5      | <1  | 30% | Pass |
| Net Acidity (sulfur units) - SPOCAS            | S15-De06591 | CP | % S        | 0.05     | 0.05     | <1  | 30% | Pass |
| Net Acidity (acidity units) - SPOCAS           | S15-De06591 | CP | mol H+/t   | 29       | 29       | <1  | 30% | Pass |
| Liming rate - SPOCAS                           | S15-De06591 | CP | kg CaCO3/t | 2.0      | 2.0      | <1  | 30% | Pass |
| Duplicate                                      |             |    |            |          |          |     |     |      |
|                                                |             |    |            | Result 1 | Result 2 | RPD |     |      |
| % Moisture                                     | S15-De06592 | CP | %          | 9.3      | 8.0      | 16  | 30% | Pass |

| Duplicate                                            |             |    |       |          |          |     |     |      |
|------------------------------------------------------|-------------|----|-------|----------|----------|-----|-----|------|
| Heavy Metals                                         |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Arsenic                                              | S15-De06592 | CP | mg/kg | 2.4      | 2.7      | 10  | 30% | Pass |
| Cadmium                                              | S15-De06592 | CP | mg/kg | < 0.4    | < 0.4    | <1  | 30% | Pass |
| Chromium                                             | S15-De06592 | CP | mg/kg | 9.7      | 8.7      | 11  | 30% | Pass |
| Copper                                               | S15-De06592 | CP | mg/kg | 55       | 56       | 1.0 | 30% | Pass |
| Lead                                                 | S15-De06592 | CP | mg/kg | 110      | 110      | 8.0 | 30% | Pass |
| Mercury                                              | S15-De06592 | CP | mg/kg | 0.09     | 0.09     | 11  | 30% | Pass |
| Nickel                                               | S15-De06592 | CP | mg/kg | < 5      | 6.0      | <1  | 30% | Pass |
| Zinc                                                 | S15-De06592 | CP | mg/kg | 69       | 75       | 8.0 | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions |             |    |       | Result 1 | Result 2 | RPD |     |      |
| TRH C6-C9                                            | S15-De06600 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass |
| TRH C10-C14                                          | S15-De06600 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass |
| TRH C15-C28                                          | S15-De06600 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH C29-C36                                          | S15-De06600 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Volatile Organics                                    |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Benzene                                              | S15-De06600 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Ethylbenzene                                         | S15-De06600 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| m&p-Xylenes                                          | S15-De06600 | CP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| o-Xylene                                             | S15-De06600 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Toluene                                              | S15-De06600 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Xylenes - Total                                      | S15-De06600 | CP | mg/kg | < 0.3    | < 0.3    | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Naphthalene                                          | S15-De06600 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| TRH C6-C10                                           | S15-De06600 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |             |    |       | Result 1 | Result 2 | RPD |     |      |
| TRH >C10-C16                                         | S15-De06600 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH >C16-C34                                         | S15-De06600 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass |
| TRH >C34-C40                                         | S15-De06600 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Polycyclic Aromatic Hydrocarbons                     |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Acenaphthene                                         | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Acenaphthylene                                       | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Anthracene                                           | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benz(a)anthracene                                    | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(a)pyrene                                       | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(b&j)fluoranthene                               | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(g,h,i)perylene                                 | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(k)fluoranthene                                 | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chrysene                                             | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dibenz(a,h)anthracene                                | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Fluoranthene                                         | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Fluorene                                             | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Indeno(1,2,3-cd)pyrene                               | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Naphthalene                                          | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Phenanthrene                                         | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Pyrene                                               | S15-De06604 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |

| Duplicate                        |             |    |       |          |          |     |     |      |
|----------------------------------|-------------|----|-------|----------|----------|-----|-----|------|
| Polycyclic Aromatic Hydrocarbons |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Acenaphthene                     | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Acenaphthylene                   | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Anthracene                       | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benz(a)anthracene                | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(a)pyrene                   | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(b&j)fluoranthene           | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(g,h,i)perylene             | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(k)fluoranthene             | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chrysene                         | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dibenz(a,h)anthracene            | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Fluoranthene                     | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Fluorene                         | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Indeno(1,2,3-cd)pyrene           | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Naphthalene                      | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Phenanthrene                     | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Pyrene                           | S15-De06605 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Duplicate                        |             |    |       |          |          |     |     |      |
|                                  |             |    |       | Result 1 | Result 2 | RPD |     |      |
| % Moisture                       | S15-De06605 | CP | %     | 13       | 14       | 2.0 | 30% | Pass |
| Duplicate                        |             |    |       |          |          |     |     |      |
| Heavy Metals                     |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Arsenic                          | S15-De06605 | CP | mg/kg | 2.8      | 2.9      | 5.0 | 30% | Pass |
| Cadmium                          | S15-De06605 | CP | mg/kg | < 0.4    | < 0.4    | <1  | 30% | Pass |
| Chromium                         | S15-De06605 | CP | mg/kg | 10       | 11       | 3.0 | 30% | Pass |
| Copper                           | S15-De06605 | CP | mg/kg | 6.9      | 5.9      | 16  | 30% | Pass |
| Lead                             | S15-De06605 | CP | mg/kg | 15       | 13       | 13  | 30% | Pass |
| Mercury                          | S15-De06605 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Nickel                           | S15-De06605 | CP | mg/kg | < 5      | < 5      | <1  | 30% | Pass |
| Zinc                             | S15-De06605 | CP | mg/kg | < 5      | < 5      | <1  | 30% | Pass |
| Duplicate                        |             |    |       |          |          |     |     |      |
| Volatile Organics                |             |    |       | Result 1 | Result 2 | RPD |     |      |
| 1,1-Dichloroethane               | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,1-Dichloroethene               | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,1,1-Trichloroethane            | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,1,1,2-Tetrachloroethane        | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,1,2-Trichloroethane            | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,1,2,2-Tetrachloroethane        | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,2-Dibromoethane                | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,2-Dichlorobenzene              | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,2-Dichloroethane               | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,2-Dichloropropane              | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,2,3-Trichloropropane           | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,2,4-Trimethylbenzene           | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,3-Dichlorobenzene              | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,3-Dichloropropane              | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,3,5-Trimethylbenzene           | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1,4-Dichlorobenzene              | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 2-Butanone (MEK)                 | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 2-Propanone (Acetone)            | S15-De06608 | CP | mg/kg | < 5      | < 5      | <1  | 30% | Pass |
| 4-Chlorotoluene                  | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 4-Methyl-2-pentanone (MIBK)      | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Allyl chloride                   | S15-De06608 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Bromobenzene                     | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Bromochloromethane               | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |

| Duplicate                                            |             |    |       |          |          |     |     |      |
|------------------------------------------------------|-------------|----|-------|----------|----------|-----|-----|------|
| Volatile Organics                                    |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Bromodichloromethane                                 | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Bromoform                                            | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Bromomethane                                         | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Carbon disulfide                                     | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Carbon Tetrachloride                                 | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chlorobenzene                                        | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chloroethane                                         | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chloroform                                           | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chloromethane                                        | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| cis-1.2-Dichloroethene                               | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| cis-1.3-Dichloropropene                              | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dibromochloromethane                                 | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dibromomethane                                       | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dichlorodifluoromethane                              | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Iodomethane                                          | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Isopropyl benzene (Cumene)                           | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Methylene Chloride                                   | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Styrene                                              | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Tetrachloroethene                                    | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| trans-1.2-Dichloroethene                             | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| trans-1.3-Dichloropropene                            | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Trichloroethene                                      | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Trichlorofluoromethane                               | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Vinyl chloride                                       | S15-De06608 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions |             |    |       | Result 1 | Result 2 | RPD |     |      |
| TRH C6-C9                                            | S15-De06612 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Volatile Organics                                    |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Benzene                                              | S15-De06612 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Ethylbenzene                                         | S15-De06612 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| m&p-Xylenes                                          | S15-De06612 | CP | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| o-Xylene                                             | S15-De06612 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Toluene                                              | S15-De06612 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Xylenes - Total                                      | S15-De06612 | CP | mg/kg | < 0.3    | < 0.3    | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Naphthalene                                          | S15-De06612 | CP | mg/kg | 0.7      | 0.6      | 10  | 30% | Pass |
| TRH C6-C10                                           | S15-De06612 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Heavy Metals                                         |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Arsenic                                              | S15-De06618 | CP | mg/kg | 2.3      | 2.2      | <1  | 30% | Pass |
| Cadmium                                              | S15-De06618 | CP | mg/kg | < 0.4    | < 0.4    | <1  | 30% | Pass |
| Chromium                                             | S15-De06618 | CP | mg/kg | 14       | 15       | 2.0 | 30% | Pass |
| Copper                                               | S15-De06618 | CP | mg/kg | 150      | 150      | 5.0 | 30% | Pass |
| Lead                                                 | S15-De06618 | CP | mg/kg | 88       | 88       | <1  | 30% | Pass |
| Mercury                                              | S15-De06618 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Nickel                                               | S15-De06618 | CP | mg/kg | 7.8      | 8.0      | 2.0 | 30% | Pass |
| Zinc                                                 | S15-De06618 | CP | mg/kg | 100      | 100      | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
|                                                      |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Total Organic Carbon                                 | S15-De06623 | CP | %     | 1.6      | 1.5      | 6.0 | 30% | Pass |



| Duplicate                                            |             |    |       |          |          |     |     |      |
|------------------------------------------------------|-------------|----|-------|----------|----------|-----|-----|------|
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions |             |    |       | Result 1 | Result 2 | RPD |     |      |
| TRH C10-C14                                          | S15-De06625 | CP | mg/kg | < 20     | < 20     | <1  | 30% | Pass |
| TRH C15-C28                                          | S15-De06625 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH C29-C36                                          | S15-De06625 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |             |    |       | Result 1 | Result 2 | RPD |     |      |
| TRH >C10-C16                                         | S15-De06625 | CP | mg/kg | < 50     | < 50     | <1  | 30% | Pass |
| TRH >C16-C34                                         | S15-De06625 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass |
| TRH >C34-C40                                         | S15-De06625 | CP | mg/kg | < 100    | < 100    | <1  | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
|                                                      |             |    |       | Result 1 | Result 2 | RPD |     |      |
| % Moisture                                           | S15-De06625 | CP | %     | 15       | 14       | 5.0 | 30% | Pass |
| Duplicate                                            |             |    |       |          |          |     |     |      |
| Volatile Organics                                    |             |    |       | Result 1 | Result 2 | RPD |     |      |
| 1.1-Dichloroethane                                   | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.1-Dichloroethene                                   | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.1.1-Trichloroethane                                | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.1.1.2-Tetrachloroethane                            | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.1.2-Trichloroethane                                | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.1.2.2-Tetrachloroethane                            | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.2-Dibromoethane                                    | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.2-Dichlorobenzene                                  | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.2-Dichloroethane                                   | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.2-Dichloropropane                                  | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.2.3-Trichloropropane                               | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.2.4-Trimethylbenzene                               | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.3-Dichlorobenzene                                  | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.3-Dichloropropane                                  | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.3.5-Trimethylbenzene                               | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 1.4-Dichlorobenzene                                  | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 2-Butanone (MEK)                                     | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 2-Propanone (Acetone)                                | S15-De06627 | CP | mg/kg | < 5      | < 5      | <1  | 30% | Pass |
| 4-Chlorotoluene                                      | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| 4-Methyl-2-pentanone (MIBK)                          | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Allyl chloride                                       | S15-De06627 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Bromobenzene                                         | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Bromochloromethane                                   | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Bromodichloromethane                                 | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Bromoform                                            | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Bromomethane                                         | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Carbon disulfide                                     | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Carbon Tetrachloride                                 | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chlorobenzene                                        | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chloroethane                                         | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chloroform                                           | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chloromethane                                        | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| cis-1.2-Dichloroethene                               | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| cis-1.3-Dichloropropene                              | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dibromochloromethane                                 | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dibromomethane                                       | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dichlorodifluoromethane                              | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Iodomethane                                          | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Isopropyl benzene (Cumene)                           | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Methylene Chloride                                   | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Styrene                                              | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |



| Duplicate                        |             |    |       |          |          |     |     |      |
|----------------------------------|-------------|----|-------|----------|----------|-----|-----|------|
| Volatile Organics                |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Tetrachloroethene                | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| trans-1,2-Dichloroethene         | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| trans-1,3-Dichloropropene        | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Trichloroethene                  | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Trichlorofluoromethane           | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Vinyl chloride                   | S15-De06627 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Duplicate                        |             |    |       |          |          |     |     |      |
| Polycyclic Aromatic Hydrocarbons |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Acenaphthene                     | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Acenaphthylene                   | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Anthracene                       | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benz(a)anthracene                | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(a)pyrene                   | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(b&j)fluoranthene           | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(g,h,i)perylene             | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Benzo(k)fluoranthene             | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Chrysene                         | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Dibenz(a,h)anthracene            | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Fluoranthene                     | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Fluorene                         | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Indeno(1,2,3-cd)pyrene           | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Naphthalene                      | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Phenanthrene                     | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Pyrene                           | S15-De06629 | CP | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Duplicate                        |             |    |       |          |          |     |     |      |
| Heavy Metals                     |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Arsenic                          | S15-De06632 | CP | mg/kg | 4.8      | 5.5      | 13  | 30% | Pass |
| Cadmium                          | S15-De06632 | CP | mg/kg | < 0.4    | < 0.4    | <1  | 30% | Pass |
| Chromium                         | S15-De06632 | CP | mg/kg | 8.3      | 9.3      | 11  | 30% | Pass |
| Copper                           | S15-De06632 | CP | mg/kg | 140      | 170      | 19  | 30% | Pass |
| Lead                             | S15-De06632 | CP | mg/kg | 88       | 99       | 12  | 30% | Pass |
| Mercury                          | S15-De06632 | CP | mg/kg | 0.08     | 0.08     | 7.0 | 30% | Pass |
| Nickel                           | S15-De06632 | CP | mg/kg | 8.2      | 9.2      | 11  | 30% | Pass |
| Zinc                             | S15-De06632 | CP | mg/kg | 130      | 140      | 6.0 | 30% | Pass |
| Duplicate                        |             |    |       |          |          |     |     |      |
| Organochlorine Pesticides        |             |    |       | Result 1 | Result 2 | RPD |     |      |
| Chlordanes - Total               | S15-De06638 | CP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| 4,4'-DDD                         | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| 4,4'-DDE                         | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| 4,4'-DDT                         | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| a-BHC                            | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Aldrin                           | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| b-BHC                            | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| d-BHC                            | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Dieldrin                         | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endosulfan I                     | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endosulfan II                    | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endosulfan sulphate              | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endrin                           | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endrin aldehyde                  | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Endrin ketone                    | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| g-BHC (Lindane)                  | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Heptachlor                       | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Heptachlor epoxide               | S15-De06638 | CP | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |

|                                  |             |     |       |          |          |     |     |      |
|----------------------------------|-------------|-----|-------|----------|----------|-----|-----|------|
| <b>Duplicate</b>                 |             |     |       |          |          |     |     |      |
| <b>Organochlorine Pesticides</b> |             |     |       | Result 1 | Result 2 | RPD |     |      |
| Hexachlorobenzene                | S15-De06638 | CP  | mg/kg | < 0.05   | < 0.05   | <1  | 30% | Pass |
| Methoxychlor                     | S15-De06638 | CP  | mg/kg | < 0.2    | < 0.2    | <1  | 30% | Pass |
| Toxaphene                        | S15-De06638 | CP  | mg/kg | < 1      | < 1      | <1  | 30% | Pass |
| <b>Duplicate</b>                 |             |     |       |          |          |     |     |      |
| <b>Polychlorinated Biphenyls</b> |             |     |       | Result 1 | Result 2 | RPD |     |      |
| Aroclor-1016                     | S15-De06638 | CP  | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Aroclor-1221                     | S15-De06638 | CP  | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| Aroclor-1232                     | S15-De06638 | CP  | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Aroclor-1242                     | S15-De06638 | CP  | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Aroclor-1248                     | S15-De06638 | CP  | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Aroclor-1254                     | S15-De06638 | CP  | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| Aroclor-1260                     | S15-De06638 | CP  | mg/kg | < 0.5    | < 0.5    | <1  | 30% | Pass |
| <b>Duplicate</b>                 |             |     |       |          |          |     |     |      |
|                                  |             |     |       | Result 1 | Result 2 | RPD |     |      |
| % Moisture                       | S15-De06639 | CP  | %     | 14       | 13       | 5.0 | 30% | Pass |
| <b>Duplicate</b>                 |             |     |       |          |          |     |     |      |
| <b>Polychlorinated Biphenyls</b> |             |     |       | Result 1 | Result 2 | RPD |     |      |
| Aroclor-1221                     | S15-De08184 | NCP | mg/kg | < 0.1    | < 0.1    | <1  | 30% | Pass |
| <b>Duplicate</b>                 |             |     |       |          |          |     |     |      |
|                                  |             |     |       | Result 1 | Result 2 | RPD |     |      |
| Total Organic Carbon             | S15-De06640 | CP  | %     | 0.3      | 0.3      | 8.0 | 30% | Pass |

## Comments

### Sample Integrity

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

### Qualifier Codes/Comments

| Code | Description                                                                                                                                                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M10  | NATA accreditation does not cover the performance of this service in soil matrices                                                                                                                                                                                                                                                                                                                                     |
| N01  | F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).                                                                                                                                                                                                                   |
| N02  | Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid. |
| N04  | F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.                                                                                                                              |
| N07  | Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs                                                                                                                                                                                                       |
| S02  | Retained Acidity is Reported when the pHKCl is less than pH 4.5                                                                                                                                                                                                                                                                                                                                                        |

### Authorised By

|                 |                                |
|-----------------|--------------------------------|
| Charl Du Preez  | Analytical Services Manager    |
| Bob Symons      | Senior Analyst-Inorganic (NSW) |
| Bryan Wilson    | Senior Analyst-Metal (QLD)     |
| Emily Rosenberg | Senior Analyst-Metal (VIC)     |
| Huong Le        | Senior Analyst-Inorganic (VIC) |
| Ivan Taylor     | Senior Analyst-Metal (NSW)     |
| Rhys Thomas     | Senior Analyst-Asbestos (NSW)  |
| Richard Corner  | Senior Analyst-Inorganic (QLD) |
| Ryan Hamilton   | Senior Analyst-Organic (NSW)   |
| Ryan Hamilton   | Senior Analyst-Volatile (NSW)  |



**Glenn Jackson**

**National Operations Manager**

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

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# Certificate of Analysis



**NATA Accredited**  
**Accreditation Number 1261**  
**Site Number 18217**

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.

**JBS & G Australia (NSW & WA) P/L**  
**Level 1, 50 Margaret St**  
**Sydney**  
**NSW 2000**

**Attention:** Nathan Cussen  
**Report** 482392-AID  
**Project Name** ATP  
**Project ID** 50720  
**Received Date** Dec 07, 2015  
**Date Reported** Dec 14, 2015

## Methodology:

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Asbestos ID                               | Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. Bulk samples include building materials, soils and ores.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Subsampling Soil Samples                  | The whole sample submitted is first dried and then sieved through a 10mm sieve followed by a 2mm sieve. All fibrous matter viz greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) Iron ores - Sampling and Sample preparation procedures is employed. Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis in accordance with AS 4964-2004.                                                                                                                                                                                                                                                                                                               |
| Bonded asbestos-containing material (ACM) | The material is first examined and any fibres isolated and where required interfering organic fibres or matter may be removed by treating the sample for several hours at a temperature not exceeding $400 \pm 30^{\circ}\text{C}$ . The resultant material is then ground and examined in accordance with AS 4964-2004.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Limit of Reporting                        | The nominal detection limit of the AS4964 method is around 0.01%. The examination of large sample sizes (at least 500 ml is recommended) may improve the likelihood of identifying asbestos material in the greater than 2 mm fraction. The NEPM screening level of 0.001% w/w asbestos in soil for FA and AF (i.e. non-bonded/friable asbestos) only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. NOTE: NATA News, September 2011 – page 34, states, "Weighing of fibres is problematic and can lead to loss of fibres and potential exposure for laboratory analysts. To request laboratories to report information which is outside the scope of AS 4964-2004 and the scope of their accreditation is misleading and is most unwise" therefore such values reported are outside the scope of Eurofins   mgt NATA accreditation as designated by an asterisk. |

**Project Name** ATP  
**Project ID** 50720  
**Date Sampled** Dec 06, 2015  
**Report** 482392-AID

| Client Sample ID | Eurofins   mgt<br>Sample No. | Date Sampled | Sample Description                                                               | Result                                                                             |
|------------------|------------------------------|--------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| BH01 0.0-1.0     | 15-De06582                   | Dec 06, 2015 | Approximate Sample 38g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH02 0.0-1.0     | 15-De06584                   | Dec 06, 2015 | Approximate Sample 35g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH03 0.0-1.0     | 15-De06585                   | Dec 06, 2015 | Approximate Sample 32g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH04 0.0-1.0     | 15-De06587                   | Dec 06, 2015 | Approximate Sample 31g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH05 0.0-0.1     | 15-De06592                   | Dec 06, 2015 | Approximate Sample 35g<br>Sample consisted of: Brown coarse grain soil and rocks | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH06 0.0-0.5     | 15-De06595                   | Dec 06, 2015 | Approximate Sample 27g<br>Sample consisted of: Brown coarse grain soil and rocks | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH07 0.0-1.0     | 15-De06596                   | Dec 06, 2015 | Approximate Sample 38g<br>Sample consisted of: Brown coarse grain soil and rocks | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH08 0.0-1.0     | 15-De06599                   | Dec 06, 2015 | Approximate Sample 70g<br>Sample consisted of: Brown coarse grain soil and rocks | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH09 0.0-1.0     | 15-De06602                   | Dec 06, 2015 | Approximate Sample 74g<br>Sample consisted of: Brown coarse grain soil and rocks | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH10 0.0-1.0     | 15-De06608                   | Dec 06, 2015 | Approximate Sample 37g<br>Sample consisted of: Brown coarse grain soil and rocks | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |

| Client Sample ID | Eurofins   mgt<br>Sample No. | Date Sampled | Sample Description                                                               | Result                                                                             |
|------------------|------------------------------|--------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| BH12 0.0-1.0     | 15-De06609                   | Dec 06, 2015 | Approximate Sample 32g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH13 0.0-1.0     | 15-De06615                   | Dec 06, 2015 | Approximate Sample 36g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH13 1.0-2.0     | 15-De06616                   | Dec 06, 2015 | Approximate Sample 47g<br>Sample consisted of: Brown coarse grain soil and rocks | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH14 0.3-1.0     | 15-De06618                   | Dec 06, 2015 | Approximate Sample 78g<br>Sample consisted of: Grey fine grain soil              | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH16 0.0-1.0     | 15-De06623                   | Dec 06, 2015 | Approximate Sample 38g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH17 0.0-1.0     | 15-De06627                   | Dec 06, 2015 | Approximate Sample 45g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH18 0.0-1.0     | 15-De06632                   | Dec 06, 2015 | Approximate Sample 47g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH05 3.5-4.0     | 15-De06637                   | Dec 06, 2015 | Approximate Sample 55g<br>Sample consisted of: Brown coarse grain soil and rocks | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| BH07 3.0-4.0     | 15-De06638                   | Dec 06, 2015 | Approximate Sample 37g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| QC01             | 15-De06640                   | Dec 06, 2015 | Approximate Sample 24g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |
| QC02             | 15-De06641                   | Dec 06, 2015 | Approximate Sample 24g<br>Sample consisted of: Brown coarse grain soil           | No asbestos detected.<br>Organic fibre detected.<br>No respirable fibres detected. |



### Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description             | Testing Site | Extracted    | Holding Time |
|-------------------------|--------------|--------------|--------------|
| Asbestos - LTM-ASB-8020 | Sydney       | Dec 07, 2015 | Indefinite   |

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Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |        |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|---------------|--------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |        |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |               |        |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |               |        |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix | LAB ID      |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH01 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06582 | X                          |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06583 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH02 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06584 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH03 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06585 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06586 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH04 0.0-1.0                                    | Dec 06, 2015 |               | Soil   | S15-De06587 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH04 1.0-2.0                                    | Dec 06, 2015 |               | Soil   | S15-De06588 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| BH04 2.0-4.0                                    | Dec 06, 2015 |               | Soil   | S15-De06589 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH04 5.0-5.5                                    | Dec 06, 2015 |               | Soil   | S15-De06590 |                            |      |                          |                      | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |

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| Laboratory where analysis is conducted          |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH04 5.5-6.0                                    | Dec 06, 2015 |  | Soil | S15-De06591 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   | X            |              | X            |                          | X                              |
| BH05 0.0-0.1                                    | Dec 06, 2015 |  | Soil | S15-De06592 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH05 1.0-2.1                                    | Dec 06, 2015 |  | Soil | S15-De06593 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH05 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06594 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH06 0.0-0.5                                    | Dec 06, 2015 |  | Soil | S15-De06595 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH07 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06596 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH07 1.0-1.5                                    | Dec 06, 2015 |  | Soil | S15-De06597 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   | X            |              | X            |                          | X                              |
| BH07 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06598 |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            |              |                          |                                |
| BH08 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06599 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH08 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06600 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH08 2.5-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06601 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH09 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06602 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH09 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06603 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH09 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06604 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH09 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06605 |                            |      | X                        |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            | X                        | X                              |
| BH09 6.0-6.5                                    | Dec 06, 2015 |  | Soil | S15-De06606 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| BH09 8.0                                        | Dec 06, 2015 |  | Soil | S15-De06607 |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              | X            | X            |                          |                                |
| BH10 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06608 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH12 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06609 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH12 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06610 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH12 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06611 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH12 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06612 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH12 4.0-5.0                                    | Dec 06, 2015 |  | Soil | S15-De06613 |                            |      | X                        |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            | X                        | X                              |
| BH12 5.0-6.0                                    | Dec 06, 2015 |  | Soil | S15-De06614 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH13 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06615 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH13 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06616 | X                          |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH13 3.0-3.5                                    | Dec 06, 2015 |  | Soil | S15-De06617 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH14 0.3-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06618 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH15 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06619 |                            |      |                          |                      | X                               | X                         |                           | X         |      | X                               |                   |              |              | X            |                          | X                              |
| BH15 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06620 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |

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| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH15 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06621 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH15 3.0-3.6                                    | Dec 06, 2015 |  | Soil | S15-De06622 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH16 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06623 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH16 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06624 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH16 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06625 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH16 4.0-4.5                                    | Dec 06, 2015 |  | Soil | S15-De06626 |                            |      | X                        |                      |                                 |                           |                           |           |      |                                 |                   |              |              | X            | X                        |                                |
| BH17 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06627 | X                          |      | X                        | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            | X                        | X                              |
| BH17 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06628 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH17 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06629 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH17 4.0                                        | Dec 06, 2015 |  | Soil | S15-De06630 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |



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| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          | X                              |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |      |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH17 6.0                                        | Dec 06, 2015 |  | Soil | S15-De06631 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH18 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De06632 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH18 1.0-2.0                                    | Dec 06, 2015 |  | Soil | S15-De06633 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH18 2.0-3.0                                    | Dec 06, 2015 |  | Soil | S15-De06634 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| BH18 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06635 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH18 6.0                                        | Dec 06, 2015 |  | Soil | S15-De06636 |                            | X    |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| BH05 3.5-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06637 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH07 3.0-4.0                                    | Dec 06, 2015 |  | Soil | S15-De06638 | X                          |      |                          | X                    | X                               | X                         |                           | X         |      | X                               | X                 |              |              | X            |                          | X                              |
| BH12 6.5-7.0                                    | Dec 06, 2015 |  | Soil | S15-De06639 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| QC01                                            | Dec 06, 2015 |  | Soil | S15-De06640 | X                          |      |                          | X                    | X                               | X                         | X                         | X         |      |                                 | X                 |              |              | X            |                          | X                              |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 482392  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 7, 2015 4:42 PM  
**Due:** Dec 14, 2015  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |       |             | Asbestos Absence /Presence | HOLD | pH (1:5 Aqueous extract) | Total Organic Carbon | Polyyclic Aromatic Hydrocarbons | Organochlorine Pesticides | Polychlorinated Biphenyls | Metals M8 | BTEX | Polychlorinated Biphenyls (PCB) | Volatile Organics | SPOCAS Suite | Moisture Set | Moisture Set | Cation Exchange Capacity | Total Recoverable Hydrocarbons |
|-------------------------------------------------|--------------|--|-------|-------------|----------------------------|------|--------------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------|------|---------------------------------|-------------------|--------------|--------------|--------------|--------------------------|--------------------------------|
| Laboratory where analysis is conducted          |              |  |       |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |       |             |                            |      |                          | X                    |                                 |                           |                           |           |      |                                 |                   |              |              |              | X                        |                                |
| Sydney Laboratory - NATA Site # 18217           |              |  |       |             | X                          | X    | X                        |                      | X                               | X                         | X                         | X         | X    | X                               | X                 |              | X            | X            | X                        | X                              |
| Brisbane Laboratory - NATA Site # 20794         |              |  |       |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   | X            | X            | X            | X                        |                                |
| External Laboratory                             |              |  |       |             |                            |      |                          |                      |                                 |                           |                           |           |      |                                 |                   |              |              |              |                          |                                |
| QC02                                            | Dec 06, 2015 |  | Soil  | S15-De06641 | X                          |      |                          | X                    | X                               | X                         | X                         | X         |      |                                 | X                 |              |              | X            |                          | X                              |
| QC03                                            | Dec 06, 2015 |  | Soil  | S15-De06642 |                            |      |                          |                      | X                               |                           |                           | X         |      |                                 |                   |              |              | X            |                          | X                              |
| RINSATE                                         | Dec 06, 2015 |  | Water | S15-De06643 |                            |      |                          |                      | X                               | X                         |                           | X         |      | X                               | X                 |              |              |              |                          | X                              |
| TS                                              | Dec 06, 2015 |  | Water | S15-De06644 |                            |      |                          |                      |                                 |                           |                           |           | X    |                                 |                   |              |              |              |                          |                                |
| SB                                              | Dec 06, 2015 |  | Water | S15-De06645 |                            |      |                          |                      |                                 |                           |                           |           | X    |                                 |                   |              |              |              |                          |                                |

## Internal Quality Control Review and Glossary

### General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

### Units

|                                |                            |
|--------------------------------|----------------------------|
| % w/w: weight for weight basis | grams per kilogram         |
| Filter loading:                | fibres/100 graticule areas |
| Reported Concentration:        | fibres/mL                  |
| Flowrate:                      | L/min                      |

### Terms

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>    | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>LOR</b>    | Limit of Reporting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>COC</b>    | Chain of custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SRA</b>    | Sample Receipt Advice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ISO</b>    | International Standards Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AS</b>     | Australian Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>WA DOH</b> | Western Australia Department of Health                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>NOHSC</b>  | National Occupational Health and Safety Commission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACM</b>    | Bonded asbestos-containing material means any material containing more than 1% asbestos and comprises asbestos-containing-material which is in sound condition, although possibly broken or fragmented, and where the asbestos is bound in a matrix such as cement or resin. Common examples of ACM include but are not limited to: pipe and boiler insulation, sprayed-on fireproofing, troweled-on acoustical plaster, floor tile and mastic, floor linoleum, transite shingles, roofing materials, wall and ceiling plaster, ceiling tiles, and gasket materials. This term is restricted to material that cannot pass a 7 mm x 7 mm sieve. This sieve size is selected because it approximates the thickness of common asbestos cement sheeting and for fragments to be smaller than this would imply a high degree of damage and hence potential for fibre release. |
| <b>FA</b>     | FA comprises friable asbestos material and includes severely weathered cement sheet, insulation products and woven asbestos material. This type of friable asbestos is defined here as asbestos material that is in a degraded condition such that it can be broken or crumbled by hand pressure. This material is typically unbonded or was previously bonded and is now significantly degraded (crumbling).                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>PACM</b>   | Presumed Asbestos-Containing Material means thermal system insulation and surfacing material found in buildings, vessels, and vessel sections constructed no later than 1980 that are assumed to contain greater than one percent asbestos but have not been sampled or analyzed to verify or negate the presence of asbestos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AF</b>     | Asbestos fines (AF) are defined as free fibres, or fibre bundles, smaller than 7mm. It is the free fibres which present the greatest risk to human health, although very small fibres (< 5 microns in length) are not considered to be such a risk. AF also includes small fragments of bonded ACM that pass through a 7 mm x 7 mm sieve. (Note that for bonded ACM fragments to pass through a 7 mm x 7 mm sieve implies a substantial degree of damage which increases the potential for fibre release.)                                                                                                                                                                                                                                                                                                                                                               |
| <b>AC</b>     | Asbestos cement means a mixture of cement and asbestos fibres (typically 90:10 ratios).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Comments

The samples received were not collected in approved asbestos bags and were therefore sub-sampled from the 250mL glass jars. Valid sub-sampling procedures were applied so as to ensure that the sub-samples to be analysed accurately represented the samples received.

## Sample Integrity

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

## Qualifier Codes/Comments

| Code | Description    |
|------|----------------|
| N/A  | Not applicable |

## Authorised by:

Rhys Thomas

Senior Analyst-Asbestos (NSW)



**Glenn Jackson**

**National Operations Manager**

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

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tel: +61 2 9910 6200

email: [sydney@envirolab.com.au](mailto:sydney@envirolab.com.au)  
[envirolab.com.au](http://envirolab.com.au)

Envirolab Services Pty Ltd - Sydney | ABN 37 112 535 645

## TAX INVOICE

To: JBS & G Australia Pty Ltd  
Level 1, 50 Margaret St  
Sydney NSW 2000

INVOICE NO: SY 146953  
INVOICING DATE: 15/12/15  
ENVIROLAB REPORT NO: 138764  
PAYMENT DUE DATE: 14/01/2016

**Attention:** Grace Ng

PROJECT NO and DESCRIPTION: 507020, ATP

PURCHASE ORDER NUMBER:

| Tests Performed / Description of Service | Unit Cost                    | Qty | Total Cost |
|------------------------------------------|------------------------------|-----|------------|
| VOC's in soil                            | \$75.00                      | 2   | \$150.00   |
| TRH in Soil (C6-C9) NEPM                 | \$29.00                      | 3   | \$87.00    |
| TRH Soil C10-C40 NEPM draft              | \$29.00                      | 3   | \$87.00    |
| PAHs in Soil                             | \$42.00                      | 3   | \$126.00   |
| OC/PCB Pesticides in soil                | \$48.00                      | 2   | \$96.00    |
| 8 metals in soil                         | \$28.00                      | 2   | \$56.00    |
| TOC in soil by titration                 | \$29.00                      | 2   | \$58.00    |
| Moisture                                 | \$0.00                       | 3   | \$0.00     |
| Asbestos ID in soil                      | \$34.00                      | 2   | \$68.00    |
| Admin Fee                                | \$25.00                      | 1   | \$25.00    |
| <u>Invoice and GST Summary Details</u>   | <b>Total Amount:</b>         |     | \$753.00   |
|                                          | <b>GST (10%):</b>            |     | \$75.30    |
|                                          | <b>Total Invoice Amount:</b> |     | \$828.30   |

### INVOICE PAYMENT OPTIONS

Please make all cheques payable to : **Envirolab Services Pty Ltd**

Please EFT to: **Account Name: Envirolab Services Pty Ltd**  
**NAB SWIFT Code - NATAAU3303M**  
**Bank: National Australia Bank      Branch: Marrickville NSW**  
**BSB: 082 356      Account No: 57981 3018**

Remittance advices should be faxed/emailed      Fax No: 02 9910 6299      e-mail: [accounts@envirolabservices.com.au](mailto:accounts@envirolabservices.com.au)

Visa and Mastercard payments are accepted.

**PLEASE NOTE: OUR PAYMENT TERMS ARE STRICTLY 30 DAYS FROM DATE OF INVOICE**

## SAMPLE RECEIPT ADVICE

| Client Details   |                            |
|------------------|----------------------------|
| <b>Client</b>    | JBS & G (NSW & WA) Pty Ltd |
| <b>Attention</b> | N Cusson                   |

| Sample Login Details                        |                   |
|---------------------------------------------|-------------------|
| <b>Your Reference</b>                       | 507020, ATP       |
| <b>Envirolab Reference</b>                  | <b>138764</b>     |
| <b>Date Sample Received</b>                 | 08/12/2015        |
| <b>Date Instructions Received</b>           | 08/12/2015        |
| <b>Date Results Expected to be Reported</b> | <b>15/12/2015</b> |

| Sample Condition                                              |          |
|---------------------------------------------------------------|----------|
| <b>Samples received in appropriate condition for analysis</b> | YES      |
| <b>No. of Samples Provided</b>                                | 3 soils  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on receipt (°C)</b>                            | 1.2      |
| <b>Cooling Method</b>                                         | Ice      |
| <b>Sampling Date Provided</b>                                 | YES      |

| Comments                                                                                                         |
|------------------------------------------------------------------------------------------------------------------|
| Samples will be held for 1 month for water samples and 2 months for soil samples from date of receipt of samples |
|                                                                                                                  |

Please direct any queries to:

| Aileen Hie                           | Jacinta Hurst                          |
|--------------------------------------|----------------------------------------|
| Phone: 02 9910 6200                  | Phone: 02 9910 6200                    |
| Fax: 02 9910 6201                    | Fax: 02 9910 6201                      |
| Email: ahie@envirolabservices.com.au | Email: jhurst@envirolabservices.com.au |

***Sample and Testing Details on following page***



| <i>Sample Id</i> | <i>VOCs in soil</i> | <i>TRH in Soil (C6-C9)<br/>NEPM</i> | <i>svTRH (C10-C40) in<br/>Soil</i> | <i>PAHs in Soil</i> | <i>Organochlorine<br/>Pesticides in soil</i> | <i>PCBs in Soil</i> | <i>Acid Extractable<br/>metals in soil</i> | <i>Total Organic<br/>Carbon (Walkley<br/>Black)</i> | <i>Asbestos ID - soils</i> |
|------------------|---------------------|-------------------------------------|------------------------------------|---------------------|----------------------------------------------|---------------------|--------------------------------------------|-----------------------------------------------------|----------------------------|
| QC01A            | ✓                   | ✓                                   | ✓                                  | ✓                   | ✓                                            | ✓                   | ✓                                          | ✓                                                   | ✓                          |
| QC02A            | ✓                   | ✓                                   | ✓                                  | ✓                   | ✓                                            | ✓                   | ✓                                          | ✓                                                   | ✓                          |
| QC03A            |                     | ✓                                   | ✓                                  | ✓                   |                                              |                     |                                            |                                                     |                            |



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Envirolab Services Pty Ltd - Sydney | ABN 37 112 535 645

## CERTIFICATE OF ANALYSIS

138764

### Client:

**JBS & G (NSW & WA) Pty Ltd**

Level 1, 50 Margaret St

Sydney

NSW 2000

**Attention:** N Cusson

### Sample log in details:

Your Reference:

**50720, ATP**

No. of samples:

3 soils

Date samples received / completed instructions received

08/12/15

/ 08/12/15

### Analysis Details:

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

Samples were analysed as received from the client. Results relate specifically to the samples as received.

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

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

### Report Details:

Date results requested by: / Issue Date:

15/12/15

/

15/12/15

Date of Preliminary Report:

Not Issued

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Accredited for compliance with ISO/IEC 17025.

**Tests not covered by NATA are denoted with \*.**

### Results Approved By:

  
Jacinta Hurst  
Laboratory Manager

Envirolab Reference: 138764

Revision No: R 00



| VOCs in soil<br>Our Reference:<br>Your Reference<br>Date Sampled<br>Type of sample | UNITS<br>-----<br>----- | 138764-1<br>QC01A<br>06/12/2015<br>Soil | 138764-2<br>QC02A<br>06/12/2015<br>Soil |
|------------------------------------------------------------------------------------|-------------------------|-----------------------------------------|-----------------------------------------|
| Date extracted                                                                     | -                       | 10/12/2015                              | 10/12/2015                              |
| Date analysed                                                                      | -                       | 14/12/2015                              | 14/12/2015                              |
| Dichlorodifluoromethane                                                            | mg/kg                   | <1                                      | <1                                      |
| Chloromethane                                                                      | mg/kg                   | <1                                      | <1                                      |
| Vinyl Chloride                                                                     | mg/kg                   | <1                                      | <1                                      |
| Bromomethane                                                                       | mg/kg                   | <1                                      | <1                                      |
| Chloroethane                                                                       | mg/kg                   | <1                                      | <1                                      |
| Trichlorofluoromethane                                                             | mg/kg                   | <1                                      | <1                                      |
| 1,1-Dichloroethene                                                                 | mg/kg                   | <1                                      | <1                                      |
| trans-1,2-dichloroethene                                                           | mg/kg                   | <1                                      | <1                                      |
| 1,1-dichloroethane                                                                 | mg/kg                   | <1                                      | <1                                      |
| cis-1,2-dichloroethene                                                             | mg/kg                   | <1                                      | <1                                      |
| bromochloromethane                                                                 | mg/kg                   | <1                                      | <1                                      |
| chloroform                                                                         | mg/kg                   | <1                                      | <1                                      |
| 2,2-dichloropropane                                                                | mg/kg                   | <1                                      | <1                                      |
| 1,2-dichloroethane                                                                 | mg/kg                   | <1                                      | <1                                      |
| 1,1,1-trichloroethane                                                              | mg/kg                   | <1                                      | <1                                      |
| 1,1-dichloropropene                                                                | mg/kg                   | <1                                      | <1                                      |
| Cyclohexane                                                                        | mg/kg                   | <1                                      | <1                                      |
| carbon tetrachloride                                                               | mg/kg                   | <1                                      | <1                                      |
| Benzene                                                                            | mg/kg                   | <0.2                                    | <0.2                                    |
| dibromomethane                                                                     | mg/kg                   | <1                                      | <1                                      |
| 1,2-dichloropropane                                                                | mg/kg                   | <1                                      | <1                                      |
| trichloroethene                                                                    | mg/kg                   | <1                                      | <1                                      |
| bromodichloromethane                                                               | mg/kg                   | <1                                      | <1                                      |
| trans-1,3-dichloropropene                                                          | mg/kg                   | <1                                      | <1                                      |
| cis-1,3-dichloropropene                                                            | mg/kg                   | <1                                      | <1                                      |
| 1,1,2-trichloroethane                                                              | mg/kg                   | <1                                      | <1                                      |
| Toluene                                                                            | mg/kg                   | <0.5                                    | <0.5                                    |
| 1,3-dichloropropane                                                                | mg/kg                   | <1                                      | <1                                      |
| dibromochloromethane                                                               | mg/kg                   | <1                                      | <1                                      |
| 1,2-dibromoethane                                                                  | mg/kg                   | <1                                      | <1                                      |
| tetrachloroethene                                                                  | mg/kg                   | <1                                      | <1                                      |
| 1,1,1,2-tetrachloroethane                                                          | mg/kg                   | <1                                      | <1                                      |
| chlorobenzene                                                                      | mg/kg                   | <1                                      | <1                                      |
| Ethylbenzene                                                                       | mg/kg                   | <1                                      | <1                                      |
| bromoform                                                                          | mg/kg                   | <1                                      | <1                                      |
| m+p-xylene                                                                         | mg/kg                   | <2                                      | <2                                      |
| styrene                                                                            | mg/kg                   | <1                                      | <1                                      |
| 1,1,2,2-tetrachloroethane                                                          | mg/kg                   | <1                                      | <1                                      |
| o-Xylene                                                                           | mg/kg                   | <1                                      | <1                                      |
| 1,2,3-trichloropropane                                                             | mg/kg                   | <1                                      | <1                                      |

| VOCs in soil<br>Our Reference:<br>Your Reference<br>Date Sampled<br>Type of sample | UNITS<br>-----<br>----- | 138764-1<br>QC01A<br>06/12/2015<br>Soil | 138764-2<br>QC02A<br>06/12/2015<br>Soil |
|------------------------------------------------------------------------------------|-------------------------|-----------------------------------------|-----------------------------------------|
| isopropylbenzene                                                                   | mg/kg                   | <1                                      | <1                                      |
| bromobenzene                                                                       | mg/kg                   | <1                                      | <1                                      |
| n-propyl benzene                                                                   | mg/kg                   | <1                                      | <1                                      |
| 2-chlorotoluene                                                                    | mg/kg                   | <1                                      | <1                                      |
| 4-chlorotoluene                                                                    | mg/kg                   | <1                                      | <1                                      |
| 1,3,5-trimethyl benzene                                                            | mg/kg                   | <1                                      | <1                                      |
| tert-butyl benzene                                                                 | mg/kg                   | <1                                      | <1                                      |
| 1,2,4-trimethyl benzene                                                            | mg/kg                   | <1                                      | <1                                      |
| 1,3-dichlorobenzene                                                                | mg/kg                   | <1                                      | <1                                      |
| sec-butyl benzene                                                                  | mg/kg                   | <1                                      | <1                                      |
| 1,4-dichlorobenzene                                                                | mg/kg                   | <1                                      | <1                                      |
| 4-isopropyl toluene                                                                | mg/kg                   | <1                                      | <1                                      |
| 1,2-dichlorobenzene                                                                | mg/kg                   | <1                                      | <1                                      |
| n-butyl benzene                                                                    | mg/kg                   | <1                                      | <1                                      |
| 1,2-dibromo-3-chloropropane                                                        | mg/kg                   | <1                                      | <1                                      |
| 1,2,4-trichlorobenzene                                                             | mg/kg                   | <1                                      | <1                                      |
| hexachlorobutadiene                                                                | mg/kg                   | <1                                      | <1                                      |
| 1,2,3-trichlorobenzene                                                             | mg/kg                   | <1                                      | <1                                      |
| Surrogate Dibromofluorometha                                                       | %                       | 93                                      | 93                                      |
| Surrogate aaa-Trifluorotoluene                                                     | %                       | 94                                      | 90                                      |
| Surrogate Toluene-d8                                                               | %                       | 99                                      | 99                                      |
| Surrogate 4-Bromofluorobenzene                                                     | %                       | 101                                     | 98                                      |

|                                     |       |            |            |            |
|-------------------------------------|-------|------------|------------|------------|
| TRH in Soil (C6-C9) NEPM            |       |            |            |            |
| Our Reference:                      | UNITS | 138764-1   | 138764-2   | 138764-3   |
| Your Reference                      | ----- | QC01A      | QC02A      | QC03A      |
| Date Sampled                        | ----- | 06/12/2015 | 06/12/2015 | 06/12/2015 |
| Type of sample                      |       | Soil       | Soil       | Soil       |
| Date extracted                      | -     | 10/12/2015 | 10/12/2015 | 10/12/2015 |
| Date analysed                       | -     | 14/12/2015 | 14/12/2015 | 10/12/2015 |
| TRHC <sub>6</sub> - C <sub>9</sub>  | mg/kg | <25        | <25        | <25        |
| TRHC <sub>6</sub> - C <sub>10</sub> | mg/kg | <25        | <25        | <25        |
| Surrogate aaa-Trifluorotoluene      | %     | 94         | 90         | 126        |

|                                      |       |            |            |            |
|--------------------------------------|-------|------------|------------|------------|
| svTRH (C10-C40) in Soil              |       |            |            |            |
| Our Reference:                       | UNITS | 138764-1   | 138764-2   | 138764-3   |
| Your Reference                       | ----- | QC01A      | QC02A      | QC03A      |
| Date Sampled                         | ----- | 06/12/2015 | 06/12/2015 | 06/12/2015 |
| Type of sample                       |       | Soil       | Soil       | Soil       |
| Date extracted                       | -     | 10/12/2015 | 10/12/2015 | 10/12/2015 |
| Date analysed                        | -     | 11/12/2015 | 11/12/2015 | 11/12/2015 |
| TRHC <sub>10</sub> - C <sub>14</sub> | mg/kg | <50        | <50        | <50        |
| TRHC <sub>15</sub> - C <sub>28</sub> | mg/kg | <100       | <100       | <100       |
| TRHC <sub>29</sub> - C <sub>36</sub> | mg/kg | <100       | <100       | <100       |
| TRH>C <sub>10</sub> -C <sub>16</sub> | mg/kg | <50        | <50        | <50        |
| TRH>C <sub>16</sub> -C <sub>34</sub> | mg/kg | <100       | <100       | <100       |
| TRH>C <sub>34</sub> -C <sub>40</sub> | mg/kg | <100       | <100       | <100       |
| Surrogate o-Terphenyl                | %     | 83         | 86         | 85         |



| PAHs in Soil<br>Our Reference:<br>Your Reference<br>Date Sampled<br>Type of sample | UNITS<br>-----<br>----- | 138764-1<br>QC01A<br>06/12/2015<br>Soil | 138764-2<br>QC02A<br>06/12/2015<br>Soil | 138764-3<br>QC03A<br>06/12/2015<br>Soil |
|------------------------------------------------------------------------------------|-------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Date extracted                                                                     | -                       | 10/12/2015                              | 10/12/2015                              | 10/12/2015                              |
| Date analysed                                                                      | -                       | 10/12/2015                              | 10/12/2015                              | 10/12/2015                              |
| Naphthalene                                                                        | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Acenaphthylene                                                                     | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Acenaphthene                                                                       | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Fluorene                                                                           | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Phenanthrene                                                                       | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Anthracene                                                                         | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Fluoranthene                                                                       | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Pyrene                                                                             | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Benzo(a)anthracene                                                                 | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Chrysene                                                                           | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Benzo(b,j+k)fluoranthene                                                           | mg/kg                   | <0.2                                    | <0.2                                    | <0.2                                    |
| Benzo(a)pyrene                                                                     | mg/kg                   | <0.05                                   | <0.05                                   | <0.05                                   |
| Indeno(1,2,3-c,d)pyrene                                                            | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Dibenzo(a,h)anthracene                                                             | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Benzo(g,h,i)perylene                                                               | mg/kg                   | <0.1                                    | <0.1                                    | <0.1                                    |
| Benzo(a)pyrene TEQ calc (zero)                                                     | mg/kg                   | <0.5                                    | <0.5                                    | <0.5                                    |
| Benzo(a)pyrene TEQ calc(half)                                                      | mg/kg                   | <0.5                                    | <0.5                                    | <0.5                                    |
| Benzo(a)pyrene TEQ calc(PQL)                                                       | mg/kg                   | <0.5                                    | <0.5                                    | <0.5                                    |
| Total Positive PAHs                                                                | mg/kg                   | NIL (+)VE                               | NIL (+)VE                               | NIL (+)VE                               |
| Surrogate p-Terphenyl-d14                                                          | %                       | 89                                      | 130                                     | 90                                      |

| Organochlorine Pesticides in soil |       |            |            |
|-----------------------------------|-------|------------|------------|
| Our Reference:                    | UNITS | 138764-1   | 138764-2   |
| Your Reference                    | ----- | QC01A      | QC02A      |
| Date Sampled                      | ----- | 06/12/2015 | 06/12/2015 |
| Type of sample                    |       | Soil       | Soil       |
| Date extracted                    | -     | 10/12/2015 | 10/12/2015 |
| Date analysed                     | -     | 10/12/2015 | 10/12/2015 |
| HCB                               | mg/kg | <0.1       | <0.1       |
| alpha-BHC                         | mg/kg | <0.1       | <0.1       |
| gamma-BHC                         | mg/kg | <0.1       | <0.1       |
| beta-BHC                          | mg/kg | <0.1       | <0.1       |
| Heptachlor                        | mg/kg | <0.1       | <0.1       |
| delta-BHC                         | mg/kg | <0.1       | <0.1       |
| Aldrin                            | mg/kg | <0.1       | <0.1       |
| Heptachlor Epoxide                | mg/kg | <0.1       | <0.1       |
| gamma-Chlordane                   | mg/kg | <0.1       | <0.1       |
| alpha-chlordane                   | mg/kg | <0.1       | <0.1       |
| Endosulfan I                      | mg/kg | <0.1       | <0.1       |
| pp-DDE                            | mg/kg | <0.1       | <0.1       |
| Dieldrin                          | mg/kg | <0.1       | <0.1       |
| Endrin                            | mg/kg | <0.1       | <0.1       |
| pp-DDD                            | mg/kg | <0.1       | <0.1       |
| Endosulfan II                     | mg/kg | <0.1       | <0.1       |
| pp-DDT                            | mg/kg | <0.1       | <0.1       |
| Endrin Aldehyde                   | mg/kg | <0.1       | <0.1       |
| Endosulfan Sulphate               | mg/kg | <0.1       | <0.1       |
| Methoxychlor                      | mg/kg | <0.1       | <0.1       |
| Surrogate TCMX                    | %     | 93         | 92         |

|                 |       |            |            |
|-----------------|-------|------------|------------|
| PCBs in Soil    |       |            |            |
| Our Reference:  | UNITS | 138764-1   | 138764-2   |
| Your Reference  | ----- | QC01A      | QC02A      |
| Date Sampled    | ----- | 06/12/2015 | 06/12/2015 |
| Type of sample  |       | Soil       | Soil       |
| Date extracted  | -     | 10/12/2015 | 10/12/2015 |
| Date analysed   | -     | 10/12/2015 | 10/12/2015 |
| Aroclor 1016    | mg/kg | <0.1       | <0.1       |
| Aroclor 1221    | mg/kg | <0.1       | <0.1       |
| Aroclor 1232    | mg/kg | <0.1       | <0.1       |
| Aroclor 1242    | mg/kg | <0.1       | <0.1       |
| Aroclor 1248    | mg/kg | <0.1       | <0.1       |
| Aroclor 1254    | mg/kg | <0.1       | <0.1       |
| Aroclor 1260    | mg/kg | <0.1       | <0.1       |
| Surrogate TCLMX | %     | 93         | 92         |

|                                 |       |            |            |            |
|---------------------------------|-------|------------|------------|------------|
| Acid Extractable metals in soil |       |            |            |            |
| Our Reference:                  | UNITS | 138764-1   | 138764-2   | 138764-3   |
| Your Reference                  | ----- | QC01A      | QC02A      | QC03A      |
| Date Sampled                    | ----- | 06/12/2015 | 06/12/2015 | 06/12/2015 |
| Type of sample                  |       | Soil       | Soil       | Soil       |
| Date prepared                   | -     | 10/12/2015 | 10/12/2015 | 10/12/2015 |
| Date analysed                   | -     | 10/12/2015 | 10/12/2015 | 10/12/2015 |
| Arsenic                         | mg/kg | 4          | 11         | 17         |
| Cadmium                         | mg/kg | <0.4       | <0.4       | <0.4       |
| Chromium                        | mg/kg | 9          | 5          | 8          |
| Copper                          | mg/kg | 2          | 3          | 3          |
| Lead                            | mg/kg | 10         | 9          | 8          |
| Mercury                         | mg/kg | <0.1       | <0.1       | <0.1       |
| Nickel                          | mg/kg | <1         | <1         | <1         |
| Zinc                            | mg/kg | <1         | <1         | <1         |

|                                      |       |            |            |
|--------------------------------------|-------|------------|------------|
| Misc Inorg - Soil                    |       |            |            |
| Our Reference:                       | UNITS | 138764-1   | 138764-2   |
| Your Reference                       | ----- | QC01A      | QC02A      |
| Date Sampled                         | ----- | 06/12/2015 | 06/12/2015 |
| Type of sample                       |       | Soil       | Soil       |
| Date prepared                        | -     | 10/12/2015 | 10/12/2015 |
| Date analysed                        | -     | 10/12/2015 | 10/12/2015 |
| Total Organic Carbon (Walkley Black) | mg/kg | <1,000     | 1,400      |

|                |       |            |            |            |
|----------------|-------|------------|------------|------------|
| Moisture       |       |            |            |            |
| Our Reference: | UNITS | 138764-1   | 138764-2   | 138764-3   |
| Your Reference | ----- | QC01A      | QC02A      | QC03A      |
| Date Sampled   | ----- | 06/12/2015 | 06/12/2015 | 06/12/2015 |
| Type of sample |       | Soil       | Soil       | Soil       |
| Date prepared  | -     | 10/12/2015 | 10/12/2015 | 10/12/2015 |
| Date analysed  | -     | 11/12/2015 | 11/12/2015 | 11/12/2015 |
| Moisture       | %     | 15         | 13         | 12         |



|                     |       |                                                    |                                                    |
|---------------------|-------|----------------------------------------------------|----------------------------------------------------|
| Asbestos ID - soils |       |                                                    |                                                    |
| Our Reference:      | UNITS | 138764-1                                           | 138764-2                                           |
| Your Reference      | ----- | QC01A                                              | QC02A                                              |
| Date Sampled        | ----- | 06/12/2015                                         | 06/12/2015                                         |
| Type of sample      |       | Soil                                               | Soil                                               |
| Date analysed       | -     | 15/12/2015                                         | 15/12/2015                                         |
| Sample mass tested  | g     | Approx. 35g                                        | Approx. 35g                                        |
| Sample Description  | -     | Grey clay soil                                     | Grey clay soil                                     |
| Asbestos ID in soil | -     | No asbestos detected at reporting limit of 0.1g/kg | No asbestos detected at reporting limit of 0.1g/kg |
|                     |       | Organic fibres detected                            | Organic fibres detected                            |
| Trace Analysis      | -     | No asbestos detected                               | No asbestos detected                               |

| Method ID          | Methodology Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Org-014            | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Org-016            | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Org-003            | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br>F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Org-012            | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.<br>For soil results:-<br>1. 'TEQ PQL' values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present.<br>2. 'TEQ zero' values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL.<br>3. 'TEQ half PQL' values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.<br>Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs. |
| Org-005            | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Org-006            | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Metals-020 ICP-AES | Determination of various metals by ICP-AES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Metals-021 CV-AAS  | Determination of Mercury by Cold Vapour AAS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inorg-036          | Total Organic Carbon - A titrimetric method that measures the oxidisable organic content of soils. Based upon Walkley/Black and 'Rayment and Lyons 2011'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Inorg-008          | Moisture content determined by heating at 105+/-5 deg C for a minimum of 12 hours.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ASB-001            | Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| QUALITY CONTROL           | UNITS | PQL | METHOD  | Blank      | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
|---------------------------|-------|-----|---------|------------|---------------|---------------------------|-----------|------------------|
| VOCs in soil              |       |     |         |            |               | Base II Duplicate II %RPD |           |                  |
| Date extracted            | -     |     |         | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| Date analysed             | -     |     |         | 14/12/2015 | [NT]          | [NT]                      | LCS-2     | 14/12/2015       |
| Dichlorodifluoromethane   | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Chloromethane             | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Vinyl Chloride            | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Bromomethane              | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Chloroethane              | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Trichlorofluoromethane    | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,1-Dichloroethene        | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| trans-1,2-dichloroethene  | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,1-dichloroethane        | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | LCS-2     | 86%              |
| cis-1,2-dichloroethene    | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| bromochloromethane        | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| chloroform                | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | LCS-2     | 83%              |
| 2,2-dichloropropane       | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,2-dichloroethane        | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | LCS-2     | 96%              |
| 1,1,1-trichloroethane     | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | LCS-2     | 80%              |
| 1,1-dichloropropene       | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Cyclohexane               | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| carbon tetrachloride      | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Benzene                   | mg/kg | 0.2 | Org-014 | <0.2       | [NT]          | [NT]                      | [NR]      | [NR]             |
| dibromomethane            | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,2-dichloropropane       | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| trichloroethene           | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | LCS-2     | 79%              |
| bromodichloromethane      | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | LCS-2     | 77%              |
| trans-1,3-dichloropropene | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| cis-1,3-dichloropropene   | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,1,2-trichloroethane     | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Toluene                   | mg/kg | 0.5 | Org-014 | <0.5       | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,3-dichloropropane       | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| dibromochloromethane      | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | LCS-2     | 79%              |
| 1,2-dibromoethane         | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| tetrachloroethene         | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | LCS-2     | 89%              |
| 1,1,1,2-tetrachloroethane | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| chlorobenzene             | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| Ethylbenzene              | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| bromoform                 | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| m+p-xylene                | mg/kg | 2   | Org-014 | <2         | [NT]          | [NT]                      | [NR]      | [NR]             |
| styrene                   | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,1,2,2-tetrachloroethane | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| o-Xylene                  | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,2,3-trichloropropane    | mg/kg | 1   | Org-014 | <1         | [NT]          | [NT]                      | [NR]      | [NR]             |

| QUALITY CONTROL                | UNITS | PQL | METHOD  | Blank | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
|--------------------------------|-------|-----|---------|-------|---------------|---------------------------|-----------|------------------|
| VOCs in soil                   |       |     |         |       |               | Base II Duplicate II %RPD |           |                  |
| isopropylbenzene               | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| bromobenzene                   | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| n-propyl benzene               | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 2-chlorotoluene                | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 4-chlorotoluene                | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,3,5-trimethyl benzene        | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| tert-butyl benzene             | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,2,4-trimethyl benzene        | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,3-dichlorobenzene            | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| sec-butyl benzene              | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,4-dichlorobenzene            | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 4-isopropyl toluene            | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,2-dichlorobenzene            | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| n-butyl benzene                | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,2-dibromo-3-chloropropane    | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,2,4-trichlorobenzene         | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| hexachlorobutadiene            | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| 1,2,3-trichlorobenzene         | mg/kg | 1   | Org-014 | <1    | [NT]          | [NT]                      | [NR]      | [NR]             |
| Surrogate Dibromofluorometha   | %     |     | Org-014 | 92    | [NT]          | [NT]                      | LCS-2     | 89%              |
| Surrogate aaa-Trifluorotoluene | %     |     | Org-014 | 91    | [NT]          | [NT]                      | LCS-2     | 89%              |
| Surrogate Toluene-d8           | %     |     | Org-014 | 99    | [NT]          | [NT]                      | LCS-2     | 98%              |
| Surrogate 4-Bromofluorobenzene | %     |     | Org-014 | 100   | [NT]          | [NT]                      | LCS-2     | 101%             |

| QUALITY CONTROL                      | UNITS | PQL  | METHOD  | Blank      | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
|--------------------------------------|-------|------|---------|------------|---------------|---------------------------|-----------|------------------|
| TRH in Soil (C6-C9)<br>NEPM          |       |      |         |            |               | Base II Duplicate II %RPD |           |                  |
| Date extracted                       | -     |      |         | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| Date analysed                        | -     |      |         | 14/12/2015 | [NT]          | [NT]                      | LCS-2     | 14/12/2015       |
| TRHC <sub>6</sub> - C <sub>9</sub>   | mg/kg | 25   | Org-016 | <25        | [NT]          | [NT]                      | LCS-2     | 85%              |
| TRHC <sub>6</sub> - C <sub>10</sub>  | mg/kg | 25   | Org-016 | <25        | [NT]          | [NT]                      | LCS-2     | 85%              |
| Surrogate aaa-Trifluorotoluene       | %     |      | Org-016 | 91         | [NT]          | [NT]                      | LCS-2     | 89%              |
| QUALITY CONTROL                      | UNITS | PQL  | METHOD  | Blank      | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
| svTRH (C10-C40) in Soil              |       |      |         |            |               | Base II Duplicate II %RPD |           |                  |
| Date extracted                       | -     |      |         | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| Date analysed                        | -     |      |         | 11/12/2015 | [NT]          | [NT]                      | LCS-2     | 11/12/2015       |
| TRHC <sub>10</sub> - C <sub>14</sub> | mg/kg | 50   | Org-003 | <50        | [NT]          | [NT]                      | LCS-2     | 116%             |
| TRHC <sub>15</sub> - C <sub>28</sub> | mg/kg | 100  | Org-003 | <100       | [NT]          | [NT]                      | LCS-2     | 95%              |
| TRHC <sub>29</sub> - C <sub>36</sub> | mg/kg | 100  | Org-003 | <100       | [NT]          | [NT]                      | LCS-2     | 83%              |
| TRH>C <sub>10</sub> -C <sub>16</sub> | mg/kg | 50   | Org-003 | <50        | [NT]          | [NT]                      | LCS-2     | 116%             |
| TRH>C <sub>16</sub> -C <sub>34</sub> | mg/kg | 100  | Org-003 | <100       | [NT]          | [NT]                      | LCS-2     | 95%              |
| TRH>C <sub>34</sub> -C <sub>40</sub> | mg/kg | 100  | Org-003 | <100       | [NT]          | [NT]                      | LCS-2     | 83%              |
| Surrogate o-Terphenyl                | %     |      | Org-003 | 87         | [NT]          | [NT]                      | LCS-2     | 120%             |
| QUALITY CONTROL                      | UNITS | PQL  | METHOD  | Blank      | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
| PAHs in Soil                         |       |      |         |            |               | Base II Duplicate II %RPD |           |                  |
| Date extracted                       | -     |      |         | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| Date analysed                        | -     |      |         | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| Naphthalene                          | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | LCS-2     | 112%             |
| Acenaphthylene                       | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Acenaphthene                         | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Fluorene                             | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | LCS-2     | 127%             |
| Phenanthrene                         | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | LCS-2     | 99%              |
| Anthracene                           | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Fluoranthene                         | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | LCS-2     | 101%             |
| Pyrene                               | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | LCS-2     | 107%             |
| Benzo(a)anthracene                   | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Chrysene                             | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | LCS-2     | 114%             |
| Benzo(b,j+k)fluoranthene             | mg/kg | 0.2  | Org-012 | <0.2       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Benzo(a)pyrene                       | mg/kg | 0.05 | Org-012 | <0.05      | [NT]          | [NT]                      | LCS-2     | 113%             |
| Indeno(1,2,3-c,d)pyrene              | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Dibenzo(a,h)anthracene               | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Benzo(g,h,i)perylene                 | mg/kg | 0.1  | Org-012 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Surrogate p-Terphenyl-d14            | %     |      | Org-012 | 96         | [NT]          | [NT]                      | LCS-2     | 106%             |

| QUALITY CONTROL                   | UNITS | PQL | METHOD  | Blank      | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
|-----------------------------------|-------|-----|---------|------------|---------------|---------------------------|-----------|------------------|
| Organochlorine Pesticides in soil |       |     |         |            |               | Base II Duplicate II %RPD |           |                  |
| Date extracted                    | -     |     |         | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| Date analysed                     | -     |     |         | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| HCB                               | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| alpha-BHC                         | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 96%              |
| gamma-BHC                         | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| beta-BHC                          | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 86%              |
| Heptachlor                        | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 85%              |
| delta-BHC                         | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Aldrin                            | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 101%             |
| Heptachlor Epoxide                | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 99%              |
| gamma-Chlordane                   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| alpha-chlordane                   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Endosulfan I                      | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| pp-DDE                            | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 96%              |
| Dieldrin                          | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 98%              |
| Endrin                            | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 102%             |
| pp-DDD                            | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 94%              |
| Endosulfan II                     | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| pp-DDT                            | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Endrin Aldehyde                   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Endosulfan Sulphate               | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | LCS-2     | 96%              |
| Methoxychlor                      | mg/kg | 0.1 | Org-005 | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Surrogate TCMX                    | %     |     | Org-005 | 107        | [NT]          | [NT]                      | LCS-2     | 108%             |



| QUALITYCONTROL                  | UNITS | PQL | METHOD             | Blank      | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
|---------------------------------|-------|-----|--------------------|------------|---------------|---------------------------|-----------|------------------|
| PCBs in Soil                    |       |     |                    |            |               | Base II Duplicate II %RPD |           |                  |
| Date extracted                  | -     |     |                    | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| Date analysed                   | -     |     |                    | 10/12/2015 | [NT]          | [NT]                      | LCS-2     | 10/12/2015       |
| Aroclor 1016                    | mg/kg | 0.1 | Org-006            | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Aroclor 1221                    | mg/kg | 0.1 | Org-006            | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Aroclor 1232                    | mg/kg | 0.1 | Org-006            | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Aroclor 1242                    | mg/kg | 0.1 | Org-006            | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Aroclor 1248                    | mg/kg | 0.1 | Org-006            | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Aroclor 1254                    | mg/kg | 0.1 | Org-006            | <0.1       | [NT]          | [NT]                      | LCS-2     | 102%             |
| Aroclor 1260                    | mg/kg | 0.1 | Org-006            | <0.1       | [NT]          | [NT]                      | [NR]      | [NR]             |
| Surrogate TCLMX                 | %     |     | Org-006            | 107        | [NT]          | [NT]                      | LCS-2     | 108%             |
| QUALITYCONTROL                  | UNITS | PQL | METHOD             | Blank      | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
| Acid Extractable metals in soil |       |     |                    |            |               | Base II Duplicate II %RPD |           |                  |
| Date prepared                   | -     |     |                    | 10/12/2015 | [NT]          | [NT]                      | LCS-4     | 10/12/2015       |
| Date analysed                   | -     |     |                    | 10/12/2015 | [NT]          | [NT]                      | LCS-4     | 10/12/2015       |
| Arsenic                         | mg/kg | 4   | Metals-020 ICP-AES | <4         | [NT]          | [NT]                      | LCS-4     | 108%             |
| Cadmium                         | mg/kg | 0.4 | Metals-020 ICP-AES | <0.4       | [NT]          | [NT]                      | LCS-4     | 104%             |
| Chromium                        | mg/kg | 1   | Metals-020 ICP-AES | <1         | [NT]          | [NT]                      | LCS-4     | 103%             |
| Copper                          | mg/kg | 1   | Metals-020 ICP-AES | <1         | [NT]          | [NT]                      | LCS-4     | 102%             |
| Lead                            | mg/kg | 1   | Metals-020 ICP-AES | <1         | [NT]          | [NT]                      | LCS-4     | 99%              |
| Mercury                         | mg/kg | 0.1 | Metals-021 CV-AAS  | <0.1       | [NT]          | [NT]                      | LCS-4     | 91%              |
| Nickel                          | mg/kg | 1   | Metals-020 ICP-AES | <1         | [NT]          | [NT]                      | LCS-4     | 99%              |
| Zinc                            | mg/kg | 1   | Metals-020 ICP-AES | <1         | [NT]          | [NT]                      | LCS-4     | 103%             |

Client Reference: 50720, ATP

| QUALITY CONTROL                      | UNITS | PQL  | METHOD    | Blank      | Duplicate Sm# | Duplicate results         | Spike Sm# | Spike % Recovery |
|--------------------------------------|-------|------|-----------|------------|---------------|---------------------------|-----------|------------------|
| Misc Inorg - Soil                    |       |      |           |            |               | Base II Duplicate II %RPD |           |                  |
| Date prepared                        | -     |      |           | 10/12/2015 | [NT]          | [NT]                      | LCS-1     | 10/12/2015       |
| Date analysed                        | -     |      |           | 10/12/2015 | [NT]          | [NT]                      | LCS-1     | 10/12/2015       |
| Total Organic Carbon (Walkley Black) | mg/kg | 1000 | Inorg-036 | <1000      | [NT]          | [NT]                      | LCS-1     | 98%              |

**Report Comments:**

Asbestos: A portion of the supplied sample was sub-sampled for asbestos analysis according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab recommends supplying 40-50g of sample in its own container.

Note: Samples 138764-1,2 were sub-sampled from jars provided by the client.

Asbestos ID was analysed by Approved Identifier: Paul Ching

Asbestos ID was authorised by Approved Signatory: Paul Ching

INS: Insufficient sample for this test

NR: Test not required

<: Less than

PQL: Practical Quantitation Limit

RPD: Relative Percent Difference

>: Greater than

NT: Not tested

NA: Test not required

LCS: Laboratory Control Sample

### **Quality Control Definitions**

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

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

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

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

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

### **Laboratory Acceptance Criteria**

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

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

Spikes for Physical and Aggregate Tests are not applicable.

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

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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

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

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

[illegible]

# Certificate of Analysis

JBS & G Australia (NSW & WA) P/L  
Level 1, 50 Margaret St  
Sydney  
NSW 2000



NATA Accredited  
Accreditation Number 1261  
Site Number 1254

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.

Attention: Nathan Cussen

Report 482410-L-V2

Project name ATP

Project ID 50720

Received Date Dec 07, 2015

| Client Sample ID                        |        |          | BH01 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06706<br>Dec 06, 2015 | BH01 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06707<br>Dec 06, 2015 | BH02 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06708<br>Dec 06, 2015 | BH03 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06709<br>Dec 06, 2015 |
|-----------------------------------------|--------|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR    | Unit     |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Acenaphthene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Acenaphthylene                          | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Anthracene                              | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benz(a)anthracene                       | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)pyrene                          | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(g,h,i)perylene                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(k)fluoranthene                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Chrysene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Dibenz(a,h)anthracene                   | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluoranthene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluorene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Indeno(1,2,3-cd)pyrene                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Naphthalene                             | 0.001  | mg/L     | 0.001                                                                  | < 0.001                                                                | 0.002                                                                  | < 0.001                                                                |
| Phenanthrene                            | 0.001  | mg/L     | < 0.001                                                                | 0.001                                                                  | < 0.001                                                                | < 0.001                                                                |
| Pyrene                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Total PAH*                              | 0.002  | mg/L     | 0.001                                                                  | 0.001                                                                  | 0.002                                                                  | < 0.001                                                                |
| 2-Fluorobiphenyl (surr.)                | 1      | %        | 69                                                                     | 83                                                                     | 84                                                                     | 83                                                                     |
| p-Terphenyl-d14 (surr.)                 | 1      | %        | 112                                                                    | 118                                                                    | 120                                                                    | 134                                                                    |
| <b>Heavy Metals</b>                     |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Arsenic                                 | 0.001  | mg/L     | 0.003                                                                  | 0.006                                                                  | 0.002                                                                  | < 0.001                                                                |
| Cadmium                                 | 0.0002 | mg/L     | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               |
| Chromium                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | 0.001                                                                  | 0.002                                                                  |
| Copper                                  | 0.001  | mg/L     | 0.004                                                                  | 0.004                                                                  | 0.005                                                                  | 0.002                                                                  |
| Lead                                    | 0.001  | mg/L     | 0.002                                                                  | 0.001                                                                  | < 0.001                                                                | 0.002                                                                  |
| Mercury                                 | 0.0001 | mg/L     | < 0.0001                                                               | < 0.0001                                                               | 0.0001                                                                 | 0.0001                                                                 |
| Nickel                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Zinc                                    | 0.001  | mg/L     | 0.002                                                                  | < 0.001                                                                | < 0.001                                                                | 0.003                                                                  |
| <b>AUS Leaching Procedure</b>           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Leachate Fluid <sup>C01</sup>           |        | comment  | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    |
| pH (initial)                            | 0.1    | pH Units | 7.7                                                                    | 8.2                                                                    | 8.2                                                                    | 9.1                                                                    |
| pH (off)                                | 0.1    | pH Units | 7.9                                                                    | 8.9                                                                    | 10                                                                     | 8.0                                                                    |



| Client Sample ID                        |        |          | BH03 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06710<br>Dec 06, 2015 | BH04 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06711<br>Dec 06, 2015 | BH04 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06712<br>Dec 06, 2015 | BH05 0.0-0.1<br>ASLP -<br>Reagent Water<br>S15-De06713<br>Dec 06, 2015 |
|-----------------------------------------|--------|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR    | Unit     |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Acenaphthene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Acenaphthylene                          | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Anthracene                              | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benz(a)anthracene                       | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)pyrene                          | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(g,h,i)perylene                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(k)fluoranthene                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Chrysene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Dibenz(a,h)anthracene                   | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluoranthene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluorene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Indeno(1,2,3-cd)pyrene                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Naphthalene                             | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | 0.001                                                                  | < 0.001                                                                |
| Phenanthrene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Pyrene                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Total PAH*                              | 0.002  | mg/L     | < 0.001                                                                | < 0.001                                                                | 0.001                                                                  | < 0.001                                                                |
| 2-Fluorobiphenyl (surr.)                | 1      | %        | 74                                                                     | 80                                                                     | 80                                                                     | 84                                                                     |
| p-Terphenyl-d14 (surr.)                 | 1      | %        | 109                                                                    | 116                                                                    | 109                                                                    | 135                                                                    |
| <b>Heavy Metals</b>                     |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Arsenic                                 | 0.001  | mg/L     | 0.004                                                                  | 0.002                                                                  | 0.004                                                                  | 0.003                                                                  |
| Cadmium                                 | 0.0002 | mg/L     | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               |
| Chromium                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | 0.008                                                                  | < 0.001                                                                |
| Copper                                  | 0.001  | mg/L     | 0.005                                                                  | 0.002                                                                  | 0.002                                                                  | 0.004                                                                  |
| Lead                                    | 0.001  | mg/L     | < 0.001                                                                | 0.029                                                                  | 0.006                                                                  | 0.002                                                                  |
| Mercury                                 | 0.0001 | mg/L     | 0.0001                                                                 | < 0.0001                                                               | 0.0001                                                                 | < 0.0001                                                               |
| Nickel                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | 0.001                                                                  | < 0.001                                                                |
| Zinc                                    | 0.001  | mg/L     | 0.002                                                                  | 0.002                                                                  | 0.004                                                                  | < 0.001                                                                |
| <b>AUS Leaching Procedure</b>           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Leachate Fluid <sup>C01</sup>           |        | comment  | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    |
| pH (initial)                            | 0.1    | pH Units | 9.8                                                                    | 9.4                                                                    | 8.4                                                                    | 9.7                                                                    |
| pH (off)                                | 0.1    | pH Units | 9.7                                                                    | 9.5                                                                    | 6.7                                                                    | 9.5                                                                    |

| Client Sample ID                        |       |      | BH05 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06714<br>Dec 06, 2015 | BH06 0.0-0.5<br>ASLP -<br>Reagent Water<br>S15-De06715<br>Dec 06, 2015 | BH07 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06716<br>Dec 06, 2015 | BH08 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06717<br>Dec 06, 2015 |
|-----------------------------------------|-------|------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR   | Unit |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Acenaphthene                            | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Acenaphthylene                          | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Anthracene                              | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benz(a)anthracene                       | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)pyrene                          | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(g,h,i)perylene                    | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |

| Client Sample ID                        |        |          | BH05 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06714<br>Dec 06, 2015 | BH06 0.0-0.5<br>ASLP -<br>Reagent Water<br>S15-De06715<br>Dec 06, 2015 | BH07 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06716<br>Dec 06, 2015 | BH08 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06717<br>Dec 06, 2015 |
|-----------------------------------------|--------|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR    | Unit     |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Benzo(k)fluoranthene                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Chrysene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Dibenz(a,h)anthracene                   | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluoranthene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluorene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Indeno(1.2.3-cd)pyrene                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Naphthalene                             | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Phenanthrene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Pyrene                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Total PAH*                              | 0.002  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| 2-Fluorobiphenyl (surr.)                | 1      | %        | 80                                                                     | 76                                                                     | 82                                                                     | 75                                                                     |
| p-Terphenyl-d14 (surr.)                 | 1      | %        | 112                                                                    | 107                                                                    | 123                                                                    | 125                                                                    |
| <b>Heavy Metals</b>                     |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Arsenic                                 | 0.001  | mg/L     | 0.002                                                                  | 0.098                                                                  | 0.002                                                                  | 0.006                                                                  |
| Cadmium                                 | 0.0002 | mg/L     | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               |
| Chromium                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | 0.001                                                                  | < 0.001                                                                |
| Copper                                  | 0.001  | mg/L     | 0.003                                                                  | 0.005                                                                  | 0.005                                                                  | 0.038                                                                  |
| Lead                                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | 0.025                                                                  |
| Mercury                                 | 0.0001 | mg/L     | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               |
| Nickel                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Zinc                                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | 0.016                                                                  |
| <b>AUS Leaching Procedure</b>           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Leachate Fluid <sup>C01</sup>           |        | comment  | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    |
| pH (initial)                            | 0.1    | pH Units | 8.5                                                                    | 10                                                                     | 10                                                                     | 9.5                                                                    |
| pH (off)                                | 0.1    | pH Units | 9.3                                                                    | 11                                                                     | 11                                                                     | 9.2                                                                    |

| Client Sample ID                        |       |      | BH08 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06718<br>Dec 06, 2015 | BH09 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06719<br>Dec 06, 2015 | BH09 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06720<br>Dec 06, 2015 | BH09 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06721<br>Dec 06, 2015 |
|-----------------------------------------|-------|------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR   | Unit |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Acenaphthene                            | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Acenaphthylene                          | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Anthracene                              | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)anthracene                      | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)pyrene                          | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(g,h,i)perylene                    | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(k)fluoranthene                    | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Chrysene                                | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Dibenz(a,h)anthracene                   | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluoranthene                            | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluorene                                | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Indeno(1.2.3-cd)pyrene                  | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Naphthalene                             | 0.001 | mg/L | 0.001                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |

| Client Sample ID                        |        |          | BH08 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06718<br>Dec 06, 2015 | BH09 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06719<br>Dec 06, 2015 | BH09 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06720<br>Dec 06, 2015 | BH09 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06721<br>Dec 06, 2015 |
|-----------------------------------------|--------|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR    | Unit     |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Phenanthrene                            | 0.001  | mg/L     | 0.001                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Pyrene                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Total PAH*                              | 0.002  | mg/L     | 0.002                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| 2-Fluorobiphenyl (surr.)                | 1      | %        | 81                                                                     | 81                                                                     | 65                                                                     | 98                                                                     |
| p-Terphenyl-d14 (surr.)                 | 1      | %        | 132                                                                    | 121                                                                    | 102                                                                    | 100                                                                    |
| <b>Heavy Metals</b>                     |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Arsenic                                 | 0.001  | mg/L     | 0.004                                                                  | 0.002                                                                  | 0.002                                                                  | < 0.001                                                                |
| Cadmium                                 | 0.0002 | mg/L     | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               |
| Chromium                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Copper                                  | 0.001  | mg/L     | 0.024                                                                  | 0.008                                                                  | 0.008                                                                  | 0.005                                                                  |
| Lead                                    | 0.001  | mg/L     | 0.013                                                                  | 0.012                                                                  | 0.024                                                                  | 0.011                                                                  |
| Mercury                                 | 0.0001 | mg/L     | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               |
| Nickel                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Zinc                                    | 0.001  | mg/L     | 0.006                                                                  | < 0.001                                                                | 0.001                                                                  | 0.003                                                                  |
| <b>AUS Leaching Procedure</b>           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Leachate Fluid <sup>C01</sup>           |        | comment  | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    |
| pH (initial)                            | 0.1    | pH Units | 8.8                                                                    | 9.7                                                                    | 8.6                                                                    | 8.3                                                                    |
| pH (off)                                | 0.1    | pH Units | 9.6                                                                    | 8.9                                                                    | 9.0                                                                    | 7.2                                                                    |

| Client Sample ID                        |       |      | BH10 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06722<br>Dec 06, 2015 | BH12 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06723<br>Dec 06, 2015 | BH12 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06724<br>Dec 06, 2015 | BH12 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06725<br>Dec 06, 2015 |
|-----------------------------------------|-------|------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR   | Unit |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Acenaphthene                            | 0.001 | mg/L | < 0.001                                                                | 0.001                                                                  | < 0.001                                                                | 0.001                                                                  |
| Acenaphthylene                          | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Anthracene                              | 0.001 | mg/L | < 0.001                                                                | 0.002                                                                  | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)anthracene                      | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)pyrene                          | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(g,h,i)perylene                    | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(k)fluoranthene                    | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Chrysene                                | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Dibenz(a,h)anthracene                   | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluoranthene                            | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluorene                                | 0.001 | mg/L | < 0.001                                                                | 0.002                                                                  | < 0.001                                                                | 0.001                                                                  |
| Indeno(1.2.3-cd)pyrene                  | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Naphthalene                             | 0.001 | mg/L | < 0.001                                                                | 0.007                                                                  | < 0.001                                                                | 0.006                                                                  |
| Phenanthrene                            | 0.001 | mg/L | < 0.001                                                                | 0.004                                                                  | < 0.001                                                                | 0.003                                                                  |
| Pyrene                                  | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Total PAH*                              | 0.002 | mg/L | < 0.001                                                                | 0.016                                                                  | < 0.001                                                                | 0.011                                                                  |
| 2-Fluorobiphenyl (surr.)                | 1     | %    | 82                                                                     | 83                                                                     | 82                                                                     | 87                                                                     |
| p-Terphenyl-d14 (surr.)                 | 1     | %    | 130                                                                    | 117                                                                    | 126                                                                    | 124                                                                    |

| Client Sample ID              |        |          | BH10 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06722<br>Dec 06, 2015 | BH12 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06723<br>Dec 06, 2015 | BH12 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06724<br>Dec 06, 2015 | BH12 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06725<br>Dec 06, 2015 |
|-------------------------------|--------|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                 |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.     |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                  |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                | LOR    | Unit     |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Heavy Metals</b>           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Arsenic                       | 0.001  | mg/L     | 0.001                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Cadmium                       | 0.0002 | mg/L     | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               |
| Chromium                      | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Copper                        | 0.001  | mg/L     | 0.003                                                                  | 0.018                                                                  | 0.003                                                                  | 0.017                                                                  |
| Lead                          | 0.001  | mg/L     | 0.002                                                                  | 0.017                                                                  | 0.004                                                                  | 0.008                                                                  |
| Mercury                       | 0.0001 | mg/L     | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               |
| Nickel                        | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Zinc                          | 0.001  | mg/L     | < 0.001                                                                | 0.002                                                                  | 0.001                                                                  | 0.025                                                                  |
| <b>AUS Leaching Procedure</b> |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Leachate Fluid <sup>C01</sup> |        | comment  | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    |
| pH (initial)                  | 0.1    | pH Units | 9.1                                                                    | 8.7                                                                    | 8.2                                                                    | 7.7                                                                    |
| pH (off)                      | 0.1    | pH Units | 9.2                                                                    | 7.6                                                                    | 5.6                                                                    | 6.4                                                                    |

| Client Sample ID                        |        |      | BH12 3.0-4.0<br>ASLP -<br>Reagent Water<br>S15-De06726<br>Dec 06, 2015 | BH12 4.0-5.0<br>ASLP -<br>Reagent Water<br>S15-De06727<br>Dec 06, 2015 | BH13 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06728<br>Dec 06, 2015 | BH13 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06729<br>Dec 06, 2015 |
|-----------------------------------------|--------|------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |        |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |        |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |        |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR    | Unit |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |        |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Acenaphthene                            | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Acenaphthylene                          | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Anthracene                              | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benz(a)anthracene                       | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)pyrene                          | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(g,h,i)perylene                    | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(k)fluoranthene                    | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Chrysene                                | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Dibenz(a,h)anthracene                   | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluoranthene                            | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluorene                                | 0.001  | mg/L | 0.001                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Indeno(1,2,3-cd)pyrene                  | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Naphthalene                             | 0.001  | mg/L | 0.003                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Phenanthrene                            | 0.001  | mg/L | 0.003                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Pyrene                                  | 0.001  | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Total PAH*                              | 0.002  | mg/L | 0.007                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| 2-Fluorobiphenyl (surr.)                | 1      | %    | 74                                                                     | 83                                                                     | 89                                                                     | 91                                                                     |
| p-Terphenyl-d14 (surr.)                 | 1      | %    | 109                                                                    | 125                                                                    | 106                                                                    | 95                                                                     |
| <b>Heavy Metals</b>                     |        |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Arsenic                                 | 0.001  | mg/L | < 0.001                                                                | 0.001                                                                  | 0.005                                                                  | 0.013                                                                  |
| Cadmium                                 | 0.0002 | mg/L | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               |
| Chromium                                | 0.001  | mg/L | < 0.001                                                                | 0.006                                                                  | < 0.001                                                                | < 0.001                                                                |
| Copper                                  | 0.001  | mg/L | 0.015                                                                  | 0.005                                                                  | 0.059                                                                  | 0.007                                                                  |
| Lead                                    | 0.001  | mg/L | 0.006                                                                  | 0.010                                                                  | 0.050                                                                  | 0.003                                                                  |
| Mercury                                 | 0.0001 | mg/L | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               |
| Nickel                                  | 0.001  | mg/L | < 0.001                                                                | 0.001                                                                  | < 0.001                                                                | < 0.001                                                                |
| Zinc                                    | 0.001  | mg/L | 0.012                                                                  | 0.003                                                                  | 0.018                                                                  | 0.002                                                                  |

|                                  |            |             |                      |                      |                      |                      |
|----------------------------------|------------|-------------|----------------------|----------------------|----------------------|----------------------|
| <b>Client Sample ID</b>          |            |             | <b>BH12 3.0-4.0</b>  | <b>BH12 4.0-5.0</b>  | <b>BH13 0.0-1.0</b>  | <b>BH13 1.0-2.0</b>  |
| <b>Sample Matrix</b>             |            |             | <b>ASLP -</b>        | <b>ASLP -</b>        | <b>ASLP -</b>        | <b>ASLP -</b>        |
| <b>Eurofins   mgt Sample No.</b> |            |             | <b>Reagent Water</b> | <b>Reagent Water</b> | <b>Reagent Water</b> | <b>Reagent Water</b> |
| <b>Date Sampled</b>              |            |             | <b>S15-De06726</b>   | <b>S15-De06727</b>   | <b>S15-De06728</b>   | <b>S15-De06729</b>   |
| <b>Test/Reference</b>            | <b>LOR</b> | <b>Unit</b> | <b>Dec 06, 2015</b>  | <b>Dec 06, 2015</b>  | <b>Dec 06, 2015</b>  | <b>Dec 06, 2015</b>  |
| <b>AUS Leaching Procedure</b>    |            |             |                      |                      |                      |                      |
| Leachate Fluid <sup>C01</sup>    |            | comment     | 4.0                  | 4.0                  | 4.0                  | 4.0                  |
| pH (initial)                     | 0.1        | pH Units    | 7.6                  | 7.7                  | 7.2                  | 7.8                  |
| pH (off)                         | 0.1        | pH Units    | 6.1                  | 6.6                  | 8.5                  | 8.9                  |

|                                         |            |             |                      |                      |                      |                      |
|-----------------------------------------|------------|-------------|----------------------|----------------------|----------------------|----------------------|
| <b>Client Sample ID</b>                 |            |             | <b>BH15 0.0-1.0</b>  | <b>BH15 1.0-2.0</b>  | <b>BH15 2.0-3.0</b>  | <b>BH16 0.0-1.0</b>  |
| <b>Sample Matrix</b>                    |            |             | <b>ASLP -</b>        | <b>ASLP -</b>        | <b>ASLP -</b>        | <b>ASLP -</b>        |
| <b>Eurofins   mgt Sample No.</b>        |            |             | <b>Reagent Water</b> | <b>Reagent Water</b> | <b>Reagent Water</b> | <b>Reagent Water</b> |
| <b>Date Sampled</b>                     |            |             | <b>S15-De06730</b>   | <b>S15-De06731</b>   | <b>S15-De06732</b>   | <b>S15-De06733</b>   |
| <b>Test/Reference</b>                   | <b>LOR</b> | <b>Unit</b> | <b>Dec 06, 2015</b>  | <b>Dec 06, 2015</b>  | <b>Dec 06, 2015</b>  | <b>Dec 06, 2015</b>  |
| <b>Polycyclic Aromatic Hydrocarbons</b> |            |             |                      |                      |                      |                      |
| Acenaphthene                            | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Acenaphthylene                          | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Anthracene                              | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Benz(a)anthracene                       | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Benzo(a)pyrene                          | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Benzo(g,h,i)perylene                    | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Benzo(k)fluoranthene                    | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Chrysene                                | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Dibenz(a,h)anthracene                   | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Fluoranthene                            | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Fluorene                                | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Indeno(1,2,3-cd)pyrene                  | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Naphthalene                             | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Phenanthrene                            | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Pyrene                                  | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Total PAH*                              | 0.002      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| 2-Fluorobiphenyl (surr.)                | 1          | %           | 108                  | 90                   | 75                   | 75                   |
| p-Terphenyl-d14 (surr.)                 | 1          | %           | 118                  | 103                  | 100                  | 97                   |
| <b>Heavy Metals</b>                     |            |             |                      |                      |                      |                      |
| Arsenic                                 | 0.001      | mg/L        | 0.002                | 0.002                | < 0.001              | < 0.001              |
| Cadmium                                 | 0.0002     | mg/L        | < 0.0002             | < 0.0002             | < 0.0002             | < 0.0002             |
| Chromium                                | 0.001      | mg/L        | 0.002                | < 0.001              | < 0.001              | < 0.001              |
| Copper                                  | 0.001      | mg/L        | 0.009                | 0.012                | < 0.001              | < 0.001              |
| Lead                                    | 0.001      | mg/L        | 0.006                | 0.003                | < 0.001              | < 0.001              |
| Mercury                                 | 0.0001     | mg/L        | < 0.0001             | < 0.0001             | < 0.0001             | < 0.0001             |
| Nickel                                  | 0.001      | mg/L        | < 0.001              | < 0.001              | < 0.001              | < 0.001              |
| Zinc                                    | 0.001      | mg/L        | 0.003                | < 0.001              | < 0.001              | < 0.001              |
| <b>AUS Leaching Procedure</b>           |            |             |                      |                      |                      |                      |
| Leachate Fluid <sup>C01</sup>           |            | comment     | 4.0                  | 4.0                  | 4.0                  | 4.0                  |
| pH (initial)                            | 0.1        | pH Units    | 8.2                  | 8.2                  | 7.3                  | 7.1                  |
| pH (off)                                | 0.1        | pH Units    | 9.2                  | 9.3                  | 5.9                  | 8.9                  |

| Client Sample ID                        |        |          | BH16 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06734<br>Dec 06, 2015 | BH16 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06735<br>Dec 06, 2015 | BH17 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06736<br>Dec 06, 2015 | BH17 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06737<br>Dec 06, 2015 |
|-----------------------------------------|--------|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR    | Unit     |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Acenaphthene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Acenaphthylene                          | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Anthracene                              | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benz(a)anthracene                       | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)pyrene                          | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(g,h,i)perylene                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(k)fluoranthene                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Chrysene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Dibenz(a,h)anthracene                   | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluoranthene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluorene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Indeno(1,2,3-cd)pyrene                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Naphthalene                             | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Phenanthrene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Pyrene                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Total PAH*                              | 0.002  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| 2-Fluorobiphenyl (surr.)                | 1      | %        | 79                                                                     | 104                                                                    | 74                                                                     | 83                                                                     |
| p-Terphenyl-d14 (surr.)                 | 1      | %        | 91                                                                     | 126                                                                    | 87                                                                     | 100                                                                    |
| <b>Heavy Metals</b>                     |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Arsenic                                 | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | 0.005                                                                  | 0.002                                                                  |
| Cadmium                                 | 0.0002 | mg/L     | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               |
| Chromium                                | 0.001  | mg/L     | 0.002                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Copper                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | 0.005                                                                  | 0.001                                                                  |
| Lead                                    | 0.001  | mg/L     | 0.005                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Mercury                                 | 0.0001 | mg/L     | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               |
| Nickel                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Zinc                                    | 0.001  | mg/L     | < 0.001                                                                | 0.002                                                                  | < 0.001                                                                | < 0.001                                                                |
| <b>AUS Leaching Procedure</b>           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Leachate Fluid <sup>C01</sup>           |        | comment  | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    |
| pH (initial)                            | 0.1    | pH Units | 6.7                                                                    | 6.7                                                                    | 6.5                                                                    | 6.4                                                                    |
| pH (off)                                | 0.1    | pH Units | 8.5                                                                    | 6.2                                                                    | 8.8                                                                    | 8.6                                                                    |

| Client Sample ID                        |       |      | BH17 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06738<br>Dec 06, 2015 | BH18 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06739<br>Dec 06, 2015 | BH18 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06740<br>Dec 06, 2015 | BH18 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06741<br>Dec 06, 2015 |
|-----------------------------------------|-------|------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR   | Unit |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |       |      |                                                                        |                                                                        |                                                                        |                                                                        |
| Acenaphthene                            | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | 0.004                                                                  |
| Acenaphthylene                          | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Anthracene                              | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | 0.004                                                                  |
| Benz(a)anthracene                       | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(a)pyrene                          | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(b&j)fluoranthene <sup>N07</sup>   | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Benzo(g,h,i)perylene                    | 0.001 | mg/L | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |



| Client Sample ID                        |        |          | BH17 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06738<br>Dec 06, 2015 | BH18 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De06739<br>Dec 06, 2015 | BH18 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De06740<br>Dec 06, 2015 | BH18 2.0-3.0<br>ASLP -<br>Reagent Water<br>S15-De06741<br>Dec 06, 2015 |
|-----------------------------------------|--------|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.               |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                            |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                          | LOR    | Unit     |                                                                        |                                                                        |                                                                        |                                                                        |
| <b>Polycyclic Aromatic Hydrocarbons</b> |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Benzo(k)fluoranthene                    | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Chrysene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Dibenz(a,h)anthracene                   | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluoranthene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Fluorene                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | 0.003                                                                  |
| Indeno(1.2.3-cd)pyrene                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Naphthalene                             | 0.001  | mg/L     | 0.002                                                                  | 0.005                                                                  | 0.001                                                                  | < 0.001                                                                |
| Phenanthrene                            | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | 0.004                                                                  |
| Pyrene                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Total PAH*                              | 0.002  | mg/L     | 0.002                                                                  | 0.005                                                                  | 0.001                                                                  | 0.015                                                                  |
| 2-Fluorobiphenyl (surr.)                | 1      | %        | 69                                                                     | 80                                                                     | 73                                                                     | 73                                                                     |
| p-Terphenyl-d14 (surr.)                 | 1      | %        | 105                                                                    | 130                                                                    | 118                                                                    | 118                                                                    |
| <b>Heavy Metals</b>                     |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Arsenic                                 | 0.001  | mg/L     | 0.002                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Cadmium                                 | 0.0002 | mg/L     | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               | < 0.0002                                                               |
| Chromium                                | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Copper                                  | 0.001  | mg/L     | 0.005                                                                  | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Lead                                    | 0.001  | mg/L     | 0.006                                                                  | < 0.001                                                                | 0.002                                                                  | < 0.001                                                                |
| Mercury                                 | 0.0001 | mg/L     | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               | < 0.0001                                                               |
| Nickel                                  | 0.001  | mg/L     | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                | < 0.001                                                                |
| Zinc                                    | 0.001  | mg/L     | 0.003                                                                  | < 0.001                                                                | 0.002                                                                  | < 0.001                                                                |
| <b>AUS Leaching Procedure</b>           |        |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Leachate Fluid <sup>C01</sup>           |        | comment  | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    |
| pH (initial)                            | 0.1    | pH Units | 8.1                                                                    | 7.3                                                                    | 5.8                                                                    | 6.1                                                                    |
| pH (off)                                | 0.1    | pH Units | 9.1                                                                    | 7.2                                                                    | 5.0                                                                    | 5.3                                                                    |

## Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description                                                                          | Testing Site | Extracted    | Holding Time |
|--------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Polycyclic Aromatic Hydrocarbons                                                     | Sydney       | Dec 14, 2015 | 7 Day        |
| - Method: E007 Polyaromatic Hydrocarbons (PAH)                                       |              |              |              |
| Metals M8                                                                            | Sydney       | Dec 11, 2015 | 28 Day       |
| - Method: LTM-MET-3040_R0 TOTAL AND DISSOLVED METALS AND MERCURY IN WATERS BY ICP-MS |              |              |              |
| AUS Leaching Procedure                                                               | Sydney       | Dec 11, 2015 | 7 Day        |
| - Method: LTM-GEN-7010                                                               |              |              |              |

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**Contact Name:** -ALL INVOICES

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |                      |             | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 |
|-------------------------------------------------|--------------|---------------|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |               |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |               |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |               |                      |             |                                  |                        |           |
| External Laboratory                             |              |               |                      |             |                                  |                        |           |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |                                  |                        |           |
| BH01 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06706 | X                                | X                      | X         |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06707 | X                                | X                      | X         |
| BH02 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06708 | X                                | X                      | X         |
| BH03 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06709 | X                                | X                      | X         |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06710 | X                                | X                      | X         |

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|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH04 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06711 | X                                | X                      | X         |
| BH04 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06712 | X                                | X                      | X         |
| BH05 0.0-0.1                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06713 | X                                | X                      | X         |
| BH05 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06714 | X                                | X                      | X         |
| BH06 0.0-0.5                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06715 | X                                | X                      | X         |
| BH07 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06716 | X                                | X                      | X         |

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|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH08 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06717 | X                                | X                      | X         |
| BH08 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06718 | X                                | X                      | X         |
| BH09 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06719 | X                                | X                      | X         |
| BH09 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06720 | X                                | X                      | X         |
| BH09 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06721 | X                                | X                      | X         |
| BH10 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06722 | X                                | X                      | X         |

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|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH12 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06723 | X                                | X                      | X         |
| BH12 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06724 | X                                | X                      | X         |
| BH12 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06725 | X                                | X                      | X         |
| BH12 3.0-4.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06726 | X                                | X                      | X         |
| BH12 4.0-5.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06727 | X                                | X                      | X         |
| BH13 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06728 | X                                | X                      | X         |



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|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH13 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06729 | X                                | X                      | X         |
| BH15 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06730 | X                                | X                      | X         |
| BH15 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06731 | X                                | X                      | X         |
| BH15 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06732 | X                                | X                      | X         |
| BH16 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06733 | X                                | X                      | X         |
| BH16 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06734 | X                                | X                      | X         |

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|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH16 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06735 | X                                | X                      | X         |
| BH17 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06736 | X                                | X                      | X         |
| BH17 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06737 | X                                | X                      | X         |
| BH17 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06738 | X                                | X                      | X         |
| BH18 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06739 | X                                | X                      | X         |
| BH18 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06740 | X                                | X                      | X         |

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|                                                 |              |  |                         |             |                                  |                        |           |
|-------------------------------------------------|--------------|--|-------------------------|-------------|----------------------------------|------------------------|-----------|
| Sample Detail                                   |              |  |                         |             | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 |
| Laboratory where analysis is conducted          |              |  |                         |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                         |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                         |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                         |             |                                  |                        |           |
| External Laboratory                             |              |  |                         |             |                                  |                        |           |
| BH18 2.0-3.0                                    | Dec 06, 2015 |  | ASLP -<br>Reagent Water | S15-De06741 | X                                | X                      | X         |

## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

**\*\*NOTE:** pH duplicates are reported as a range NOT as RPD

### Units

**mg/kg:** milligrams per Kilogram

**mg/l:** milligrams per litre

**ug/l:** micrograms per litre

**ppm:** Parts per million

**ppb:** Parts per billion

**%:** Percentage

**org/100ml:** Organisms per 100 millilitres

**NTU:** Nephelometric Turbidity Units

**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

### Terms

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                    |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                               |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                        |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                             |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery                                                                                                          |
| <b>CRM</b>              | Certified Reference Material - reported as percent recovery                                                                                                       |
| <b>Method Blank</b>     | In the case of solid samples these are performed on laboratory certified clean sands.<br>In the case of water samples these are performed on de-ionised water.    |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                        |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                  |
| <b>Batch Duplicate</b>  | A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>Batch SPIKE</b>      | Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>USEPA</b>            | United States Environmental Protection Agency                                                                                                                     |
| <b>APHA</b>             | American Public Health Association                                                                                                                                |
| <b>ASLP</b>             | Australian Standard Leaching Procedure (AS4439.3)                                                                                                                 |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                        |
| <b>COC</b>              | Chain of Custody                                                                                                                                                  |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                             |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                             |
| <b>NCP</b>              | Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within |
| <b>TEQ</b>              | Toxic Equivalency Quotient                                                                                                                                        |

### QC - Acceptance Criteria

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

Results <10 times the LOR : No Limit

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

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

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

### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                                    |               |           |       | Units    | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-----------------------------------------|---------------|-----------|-------|----------|----------|--|--|-------------------|-------------|-----------------|
| <b>Method Blank</b>                     |               |           |       |          |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b> |               |           |       |          |          |  |  |                   |             |                 |
| Acenaphthene                            |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Acenaphthylene                          |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Anthracene                              |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benz(a)anthracene                       |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benzo(a)pyrene                          |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benzo(b&j)fluoranthene                  |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benzo(g,h,i)perylene                    |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Benzo(k)fluoranthene                    |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Chrysene                                |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Dibenz(a,h)anthracene                   |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Fluoranthene                            |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Fluorene                                |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Indeno(1,2,3-cd)pyrene                  |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Naphthalene                             |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Phenanthrene                            |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Pyrene                                  |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| <b>Method Blank</b>                     |               |           |       |          |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                     |               |           |       |          |          |  |  |                   |             |                 |
| Arsenic                                 |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Cadmium                                 |               |           |       | mg/L     | < 0.0002 |  |  | 0.0002            | Pass        |                 |
| Chromium                                |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Copper                                  |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Lead                                    |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Mercury                                 |               |           |       | mg/L     | < 0.0001 |  |  | 0.0001            | Pass        |                 |
| Nickel                                  |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Zinc                                    |               |           |       | mg/L     | < 0.001  |  |  | 0.001             | Pass        |                 |
| Test                                    | Lab Sample ID | QA Source | Units | Result 1 |          |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Spike - % Recovery</b>               |               |           |       |          |          |  |  |                   |             |                 |
| <b>Heavy Metals</b>                     |               |           |       |          |          |  |  |                   |             |                 |
|                                         |               |           |       | Result 1 |          |  |  |                   |             |                 |
| Arsenic                                 | S15-De06707   | CP        | %     | 103      |          |  |  | 70-130            | Pass        |                 |
| Cadmium                                 | S15-De06707   | CP        | %     | 103      |          |  |  | 70-130            | Pass        |                 |
| Chromium                                | S15-De06707   | CP        | %     | 88       |          |  |  | 70-130            | Pass        |                 |
| Copper                                  | S15-De06707   | CP        | %     | 86       |          |  |  | 70-130            | Pass        |                 |
| Lead                                    | S15-De06707   | CP        | %     | 97       |          |  |  | 70-130            | Pass        |                 |
| Mercury                                 | S15-De06707   | CP        | %     | 89       |          |  |  | 70-130            | Pass        |                 |
| Nickel                                  | S15-De06707   | CP        | %     | 93       |          |  |  | 70-130            | Pass        |                 |
| Zinc                                    | S15-De06707   | CP        | %     | 101      |          |  |  | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>               |               |           |       |          |          |  |  |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b> |               |           |       |          |          |  |  |                   |             |                 |
|                                         |               |           |       | Result 1 |          |  |  |                   |             |                 |
| Acenaphthene                            | S15-De06711   | CP        | %     | 75       |          |  |  | 70-130            | Pass        |                 |
| Acenaphthylene                          | S15-De06711   | CP        | %     | 76       |          |  |  | 70-130            | Pass        |                 |
| Anthracene                              | S15-De06711   | CP        | %     | 97       |          |  |  | 70-130            | Pass        |                 |
| Benz(a)anthracene                       | S15-De06711   | CP        | %     | 104      |          |  |  | 70-130            | Pass        |                 |
| Benzo(a)pyrene                          | S15-De06711   | CP        | %     | 111      |          |  |  | 70-130            | Pass        |                 |
| Benzo(b&j)fluoranthene                  | S15-De06711   | CP        | %     | 110      |          |  |  | 70-130            | Pass        |                 |
| Benzo(g,h,i)perylene                    | S15-De06711   | CP        | %     | 87       |          |  |  | 70-130            | Pass        |                 |
| Benzo(k)fluoranthene                    | S15-De06711   | CP        | %     | 109      |          |  |  | 70-130            | Pass        |                 |
| Chrysene                                | S15-De06711   | CP        | %     | 96       |          |  |  | 70-130            | Pass        |                 |
| Dibenz(a,h)anthracene                   | S15-De06711   | CP        | %     | 85       |          |  |  | 70-130            | Pass        |                 |

| Test                                    | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
|-----------------------------------------|---------------|-----------|-------|----------|----------|-----|-------------------|-------------|-----------------|
| Fluoranthene                            | S15-De06711   | CP        | %     | 98       |          |     | 70-130            | Pass        |                 |
| Fluorene                                | S15-De06711   | CP        | %     | 82       |          |     | 70-130            | Pass        |                 |
| Indeno(1.2.3-cd)pyrene                  | S15-De06711   | CP        | %     | 89       |          |     | 70-130            | Pass        |                 |
| Naphthalene                             | S15-De06711   | CP        | %     | 75       |          |     | 70-130            | Pass        |                 |
| Phenanthrene                            | S15-De06711   | CP        | %     | 96       |          |     | 70-130            | Pass        |                 |
| Pyrene                                  | S15-De06711   | CP        | %     | 99       |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>               |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                     |               |           |       | Result 1 |          |     |                   |             |                 |
| Arsenic                                 | S15-De06717   | CP        | %     | 100      |          |     | 70-130            | Pass        |                 |
| Cadmium                                 | S15-De06717   | CP        | %     | 101      |          |     | 70-130            | Pass        |                 |
| Chromium                                | S15-De06717   | CP        | %     | 85       |          |     | 70-130            | Pass        |                 |
| Copper                                  | S15-De06717   | CP        | %     | 83       |          |     | 70-130            | Pass        |                 |
| Lead                                    | S15-De06717   | CP        | %     | 88       |          |     | 70-130            | Pass        |                 |
| Mercury                                 | S15-De06717   | CP        | %     | 89       |          |     | 70-130            | Pass        |                 |
| Nickel                                  | S15-De06717   | CP        | %     | 93       |          |     | 70-130            | Pass        |                 |
| Zinc                                    | S15-De06717   | CP        | %     | 96       |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>               |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                     |               |           |       | Result 1 |          |     |                   |             |                 |
| Arsenic                                 | S15-De06725   | CP        | %     | 96       |          |     | 70-130            | Pass        |                 |
| Cadmium                                 | S15-De06725   | CP        | %     | 96       |          |     | 70-130            | Pass        |                 |
| Chromium                                | S15-De06725   | CP        | %     | 92       |          |     | 70-130            | Pass        |                 |
| Copper                                  | S15-De06725   | CP        | %     | 98       |          |     | 70-130            | Pass        |                 |
| Lead                                    | S15-De06725   | CP        | %     | 99       |          |     | 70-130            | Pass        |                 |
| Mercury                                 | S15-De06725   | CP        | %     | 86       |          |     | 70-130            | Pass        |                 |
| Nickel                                  | S15-De06725   | CP        | %     | 95       |          |     | 70-130            | Pass        |                 |
| Zinc                                    | S15-De06725   | CP        | %     | 102      |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b>               |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                     |               |           |       | Result 1 |          |     |                   |             |                 |
| Cadmium                                 | S15-De06736   | CP        | %     | 98       |          |     | 70-130            | Pass        |                 |
| Chromium                                | S15-De06736   | CP        | %     | 93       |          |     | 70-130            | Pass        |                 |
| Copper                                  | S15-De06736   | CP        | %     | 98       |          |     | 70-130            | Pass        |                 |
| Lead                                    | S15-De06736   | CP        | %     | 97       |          |     | 70-130            | Pass        |                 |
| Mercury                                 | S15-De06736   | CP        | %     | 86       |          |     | 70-130            | Pass        |                 |
| Nickel                                  | S15-De06736   | CP        | %     | 97       |          |     | 70-130            | Pass        |                 |
| Zinc                                    | S15-De06736   | CP        | %     | 104      |          |     | 70-130            | Pass        |                 |
| Test                                    | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Duplicate</b>                        |               |           |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                     |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| Arsenic                                 | S15-De06706   | CP        | mg/L  | 0.003    | 0.003    | 5.0 | 30%               | Pass        |                 |
| Cadmium                                 | S15-De06706   | CP        | mg/L  | < 0.0002 | < 0.0002 | <1  | 30%               | Pass        |                 |
| Chromium                                | S15-De06706   | CP        | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Copper                                  | S15-De06706   | CP        | mg/L  | 0.004    | 0.004    | 15  | 30%               | Pass        |                 |
| Lead                                    | S15-De06706   | CP        | mg/L  | 0.002    | 0.002    | <1  | 30%               | Pass        |                 |
| Mercury                                 | S15-De06706   | CP        | mg/L  | < 0.0001 | < 0.0001 | <1  | 30%               | Pass        |                 |
| Nickel                                  | S15-De06706   | CP        | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Zinc                                    | S15-De06706   | CP        | mg/L  | 0.002    | 0.002    | 10  | 30%               | Pass        |                 |
| <b>Duplicate</b>                        |               |           |       |          |          |     |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b> |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| Acenaphthene                            | S15-De06710   | CP        | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Acenaphthylene                          | S15-De06710   | CP        | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Anthracene                              | S15-De06710   | CP        | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Benz(a)anthracene                       | S15-De06710   | CP        | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Benzo(a)pyrene                          | S15-De06710   | CP        | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Benzo(b&j)fluoranthene                  | S15-De06710   | CP        | mg/L  | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |

| Duplicate                        |             |    |      |          |          |     |     |      |
|----------------------------------|-------------|----|------|----------|----------|-----|-----|------|
| Polycyclic Aromatic Hydrocarbons |             |    |      | Result 1 | Result 2 | RPD |     |      |
| Benzo(g,h,i)perylene             | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Benzo(k)fluoranthene             | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Chrysene                         | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Dibenz(a,h)anthracene            | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Fluoranthene                     | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Fluorene                         | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Indeno(1,2,3-cd)pyrene           | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Naphthalene                      | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Phenanthrene                     | S15-De06710 | CP | mg/L | < 0.001  | 0.001    | 10  | 30% | Pass |
| Pyrene                           | S15-De06710 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Duplicate                        |             |    |      |          |          |     |     |      |
| Heavy Metals                     |             |    |      | Result 1 | Result 2 | RPD |     |      |
| Arsenic                          | S15-De06716 | CP | mg/L | 0.002    | 0.002    | 11  | 30% | Pass |
| Cadmium                          | S15-De06716 | CP | mg/L | < 0.0002 | < 0.0002 | <1  | 30% | Pass |
| Chromium                         | S15-De06716 | CP | mg/L | 0.001    | 0.001    | 3.0 | 30% | Pass |
| Copper                           | S15-De06716 | CP | mg/L | 0.005    | 0.005    | <1  | 30% | Pass |
| Lead                             | S15-De06716 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Mercury                          | S15-De06716 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Nickel                           | S15-De06716 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Zinc                             | S15-De06716 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Duplicate                        |             |    |      |          |          |     |     |      |
| Heavy Metals                     |             |    |      | Result 1 | Result 2 | RPD |     |      |
| Arsenic                          | S15-De06724 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Cadmium                          | S15-De06724 | CP | mg/L | < 0.0002 | < 0.0002 | <1  | 30% | Pass |
| Chromium                         | S15-De06724 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Copper                           | S15-De06724 | CP | mg/L | 0.003    | 0.002    | 13  | 30% | Pass |
| Lead                             | S15-De06724 | CP | mg/L | 0.004    | 0.003    | 22  | 30% | Pass |
| Mercury                          | S15-De06724 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Nickel                           | S15-De06724 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Zinc                             | S15-De06724 | CP | mg/L | 0.001    | < 0.001  | 19  | 30% | Pass |
| Duplicate                        |             |    |      |          |          |     |     |      |
| Heavy Metals                     |             |    |      | Result 1 | Result 2 | RPD |     |      |
| Arsenic                          | S15-De06733 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Cadmium                          | S15-De06733 | CP | mg/L | < 0.0002 | < 0.0002 | <1  | 30% | Pass |
| Chromium                         | S15-De06733 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Copper                           | S15-De06733 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Lead                             | S15-De06733 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Mercury                          | S15-De06733 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Nickel                           | S15-De06733 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Zinc                             | S15-De06733 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |



## Comments

Report revised to reflect amendment to LORs reported.

## Sample Integrity

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

## Qualifier Codes/Comments

| Code | Description                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C01  | Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other                                                                                                     |
| N07  | Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs |

## Authorised By

|                |                              |
|----------------|------------------------------|
| Charl Du Preez | Analytical Services Manager  |
| Ivan Taylor    | Senior Analyst-Metal (NSW)   |
| Ryan Hamilton  | Senior Analyst-Organic (NSW) |



**Glenn Jackson**

## National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

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**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 482410  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 7, 2015 4:42 PM  
**Due:** Dec 14, 2015  
**Priority:** 5 Day  
**Contact Name:** -ALL INVOICES

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |                      |             | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 |
|-------------------------------------------------|--------------|---------------|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |               |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |               |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |               |                      |             |                                  |                        |           |
| External Laboratory                             |              |               |                      |             |                                  |                        |           |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |                                  |                        |           |
| BH01 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06706 | X                                | X                      | X         |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06707 | X                                | X                      | X         |
| BH02 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06708 | X                                | X                      | X         |
| BH03 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06709 | X                                | X                      | X         |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De06710 | X                                | X                      | X         |

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|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH04 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06711 | X                                | X                      | X         |
| BH04 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06712 | X                                | X                      | X         |
| BH05 0.0-0.1                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06713 | X                                | X                      | X         |
| BH05 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06714 | X                                | X                      | X         |
| BH06 0.0-0.5                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06715 | X                                | X                      | X         |
| BH07 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06716 | X                                | X                      | X         |

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| Sample Detail                                   |              |  |                      |             | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 |
|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH08 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06717 | X                                | X                      | X         |
| BH08 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06718 | X                                | X                      | X         |
| BH09 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06719 | X                                | X                      | X         |
| BH09 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06720 | X                                | X                      | X         |
| BH09 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06721 | X                                | X                      | X         |
| BH10 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06722 | X                                | X                      | X         |

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| Sample Detail                                   |              |  |                      |             | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 |
|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH12 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06723 | X                                | X                      | X         |
| BH12 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06724 | X                                | X                      | X         |
| BH12 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06725 | X                                | X                      | X         |
| BH12 3.0-4.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06726 | X                                | X                      | X         |
| BH12 4.0-5.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06727 | X                                | X                      | X         |
| BH13 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06728 | X                                | X                      | X         |

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| Sample Detail                                   |              |  |                      |             | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 |
|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH13 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06729 | X                                | X                      | X         |
| BH15 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06730 | X                                | X                      | X         |
| BH15 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06731 | X                                | X                      | X         |
| BH15 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06732 | X                                | X                      | X         |
| BH16 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06733 | X                                | X                      | X         |
| BH16 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06734 | X                                | X                      | X         |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 482410  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 7, 2015 4:42 PM  
**Due:** Dec 14, 2015  
**Priority:** 5 Day  
**Contact Name:** -ALL INVOICES

Eurofins | mgt Client Manager: Charl Du Preez

|                                                 |              |  |                      |             |                                  |                        |           |
|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Sample Detail                                   |              |  |                      |             | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 |
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH16 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06735 | X                                | X                      | X         |
| BH17 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06736 | X                                | X                      | X         |
| BH17 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06737 | X                                | X                      | X         |
| BH17 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06738 | X                                | X                      | X         |
| BH18 0.0-1.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06739 | X                                | X                      | X         |
| BH18 1.0-2.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06740 | X                                | X                      | X         |



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**Received:** Dec 7, 2015 4:42 PM  
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**Priority:** 5 Day  
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Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |                      |             | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 |
|-------------------------------------------------|--------------|--|----------------------|-------------|----------------------------------|------------------------|-----------|
| Laboratory where analysis is conducted          |              |  |                      |             |                                  |                        |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                                  |                        |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                                | X                      | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                                  |                        |           |
| External Laboratory                             |              |  |                      |             |                                  |                        |           |
| BH18 2.0-3.0                                    | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De06741 | X                                | X                      | X         |

## Sample Receipt Advice

Company name: **JBS & G Australia (NSW & WA) P/L**  
Contact name: **Nathan Cussen**  
Project name: **ATP**  
Project ID: **50720**  
COC number: **Not provided**  
Turn around time: **5 Day**  
Date/Time received: **Dec 7, 2015 4:42 PM**  
Eurofins | mgt reference: **482410**

### Sample information

- ☒ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ☒ Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt Sample Receipt : 1.6 degrees Celsius.
- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ Attempt to chill was evident.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ☒ Appropriate sample containers have been used.
- ☒ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

### Contact notes

If you have any questions with respect to these samples please contact:

Charl Du Preez on Phone : +61 (2) 9900 8400 or by e.mail: charldupreez@eurofins.com.au

Results will be delivered electronically via e.mail to Nathan Cussen - ncussen@jbsg.com.au.



|                                                                                                                                                                                                                                                                                            |  |               |         |      |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|---------|------|---------------------|---------------------------|----------|---------|--|-------------|--|----------------|--|-------|--|--------------------------------------------------------|--|-----------------------------|--|--|--|--|--|
| PROJECT NO.: 50720                                                                                                                                                                                                                                                                         |  |               |         |      |                     | LABORATORY BATCH NO.:     |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| PROJECT NAME: MTP                                                                                                                                                                                                                                                                          |  |               |         |      |                     | SAMPLERS: 2H / 00         |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| DATE NEEDED BY: STD                                                                                                                                                                                                                                                                        |  |               |         |      |                     | QC LEVEL: NEPM (2013)     |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| PHONE: Sydney: 02 8245 0300   Perth: 08 9488 0100   Brisbane: 07 3112 2688                                                                                                                                                                                                                 |  |               |         |      |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au                                                                                                                                                                                           |  |               |         |      |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:                                                                                                                                                                                                                                         |  |               |         |      |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |  |               |         |      |                     | TYPE OF ASBESTOS ANALYSIS |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |  |               |         |      |                     | IDENTIFICATION NEPM/WA    |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |  |               |         |      |                     | NOTES:                    |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| SAMPLE ID                                                                                                                                                                                                                                                                                  |  | MATRIX        | DATE    | TIME | TYPE & PRESERVATIVE | pH                        | ASLP Mtd | ASLP PM |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH01 0-1.0                                                                                                                                                                                                                                                                                 |  | Soil          | 6.12.15 | P    | Jar + Ice           |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH01 1.0-2.0                                                                                                                                                                                                                                                                               |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH02 0-1.0                                                                                                                                                                                                                                                                                 |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH03 0-1.0                                                                                                                                                                                                                                                                                 |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH03 1.0-2.0                                                                                                                                                                                                                                                                               |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH04 0-1.0                                                                                                                                                                                                                                                                                 |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH04 1.0-2.0                                                                                                                                                                                                                                                                               |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH04 2.0-4.0                                                                                                                                                                                                                                                                               |  |               |         | Z    |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH04 5.0-8.5                                                                                                                                                                                                                                                                               |  |               |         | Z    |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH04 8.5-6.0                                                                                                                                                                                                                                                                               |  |               |         | Z    |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH05 0-0.1                                                                                                                                                                                                                                                                                 |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH05 1.0-2.0                                                                                                                                                                                                                                                                               |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH05 2.0-3.0                                                                                                                                                                                                                                                                               |  |               |         | Z    |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH06 0-0.5                                                                                                                                                                                                                                                                                 |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH07 0-1.0                                                                                                                                                                                                                                                                                 |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH07 1.0-1.5                                                                                                                                                                                                                                                                               |  |               |         | Z    | Jar + Ice           |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH07 2.0-3.0                                                                                                                                                                                                                                                                               |  |               |         | Z    | Jar + Bag + Ice     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH08 0-1.0                                                                                                                                                                                                                                                                                 |  | V             | V       | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| BH08 1.0-2.0                                                                                                                                                                                                                                                                               |  |               |         | P    |                     |                           | X        | X       |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |
| RELINQUISHED BY:                                                                                                                                                                                                                                                                           |  |               |         |      |                     | METHOD OF SHIPMENT:       |          |         |  |             |  | RECEIVED BY:   |  |       |  |                                                        |  | FOR RECEIVING LAB USE ONLY: |  |  |  |  |  |
| NAME: Nathan                                                                                                                                                                                                                                                                               |  | DATE: 6.12.15 |         |      |                     | CONSIGNMENT NOTE NO.      |          |         |  | NAME: Signa |  | DATE: 07/12/15 |  | 16:42 |  | COOLER SEAL - Yes..... No..... Intact..... Broken..... |  |                             |  |  |  |  |  |
| OF: JBS&G                                                                                                                                                                                                                                                                                  |  |               |         |      |                     | TRANSPORT CO.             |          |         |  | OF: E. FAGY |  |                |  |       |  | COOLER TEMP..... deg C                                 |  |                             |  |  |  |  |  |
| NAME:                                                                                                                                                                                                                                                                                      |  | DATE:         |         |      |                     | CONSIGNMENT NOTE NO.      |          |         |  | NAME:       |  | DATE:          |  |       |  | COOLER SEAL - Yes..... No..... Intact..... Broken..... |  |                             |  |  |  |  |  |
| OF:                                                                                                                                                                                                                                                                                        |  |               |         |      |                     | TRANSPORT CO              |          |         |  | OF:         |  |                |  |       |  | COOLER TEMP..... deg C                                 |  |                             |  |  |  |  |  |
| Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other |  |               |         |      |                     |                           |          |         |  |             |  |                |  |       |  |                                                        |  |                             |  |  |  |  |  |

|                                                                                                  |  |        |         |      |                       |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
|--------------------------------------------------------------------------------------------------|--|--------|---------|------|-----------------------|----|------|------|--|---------------------------|--|--|--|--|--------------------------------------------------------|--|--|--|--|
| PROJECT NO.: 50720                                                                               |  |        |         |      | LABORATORY BATCH NO.: |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| PROJECT NAME: MP                                                                                 |  |        |         |      | SAMPLERS: RM / DO     |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| DATE NEEDED BY: 31/10                                                                            |  |        |         |      | QC LEVEL: NEPM (2013) |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| PHONE: Sydney: 02 8245 0300   Perth: 08 9488 0100   Brisbane: 07 3112 2688                       |  |        |         |      |                       |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au |  |        |         |      |                       |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:                                               |  |        |         |      |                       |    |      |      |  | TYPE OF ASBESTOS ANALYSIS |  |  |  |  |                                                        |  |  |  |  |
|                                                                                                  |  |        |         |      |                       |    |      |      |  | IDENTIFICATION<br>NEPM/WA |  |  |  |  |                                                        |  |  |  |  |
|                                                                                                  |  |        |         |      |                       |    |      |      |  | NOTES:                    |  |  |  |  |                                                        |  |  |  |  |
| SAMPLE ID                                                                                        |  | MATRIX | DATE    | TIME | TYPE & PRESERVATIVE   | pH | AsLP | AsLP |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH08 2.5-3.0                                                                                     |  | Soil   | 6-12-15 | ~    | Reg - Jar             |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH09 0-1.0                                                                                       |  |        |         | P    |                       |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH09 1.0-2.0                                                                                     |  |        |         | P    |                       |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH09 2.0-3.0                                                                                     |  |        |         | P    | Reg - Jar             |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH09 3.0-4.0                                                                                     |  |        |         | ~    | Reg - Jar             |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH09 6.0-6.5                                                                                     |  |        |         | ~    | Reg - Jar             |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH09 8.0                                                                                         |  |        |         | ~    | Reg - Jar             |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH10 0-1.0                                                                                       |  |        |         | P    | Jar                   |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH12 0-1.0                                                                                       |  |        |         | P    | Jar                   |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH12 1.0-2.0                                                                                     |  |        |         | P    | Jar + Reg             |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH12 2.0-3.0                                                                                     |  |        |         | P    |                       |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH12 3.0-4.0                                                                                     |  |        |         | P    |                       |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH12 4.0-5.0                                                                                     |  |        |         | P    |                       |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH12 5.0-6.0                                                                                     |  |        |         | ~    |                       |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH13 0-1.0                                                                                       |  |        |         | P    | Jar                   |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH13 1.0-2.0                                                                                     |  |        |         | P    | Jar                   |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH13 3.0-3.5                                                                                     |  |        |         | ~    | Jar + Reg             |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH14 0.3-1.0                                                                                     |  |        |         | ~    | Jar                   |    |      |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| BH15 0-1.0                                                                                       |  |        |         | P    | Jar                   |    | X    |      |  |                           |  |  |  |  |                                                        |  |  |  |  |
| RELINQUISHED BY:                                                                                 |  |        |         |      | METHOD OF SHIPMENT:   |    |      |      |  | RECEIVED BY:              |  |  |  |  | FOR RECEIVING LAB USE ONLY                             |  |  |  |  |
| NAME: Nathan DATE: 12-15                                                                         |  |        |         |      | CONSIGNMENT NOTE NO.  |    |      |      |  | NAME: SS DATE: 12         |  |  |  |  | COOLER SEAL - Yes..... No..... Intact..... Broken..... |  |  |  |  |
| OF: JBS&G                                                                                        |  |        |         |      | TRANSPORT CO.         |    |      |      |  | OF:                       |  |  |  |  | COOLER TEMP ..... deg C                                |  |  |  |  |
| NAME:                                                                                            |  |        |         |      | CONSIGNMENT NOTE NO.  |    |      |      |  | NAME: DATE:               |  |  |  |  | COOLER SEAL - Yes..... No..... Intact..... Broken..... |  |  |  |  |
| OF:                                                                                              |  |        |         |      | TRANSPORT CO.         |    |      |      |  | OF:                       |  |  |  |  | COOLER TEMP ..... deg C                                |  |  |  |  |

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

## CHAIN OF CUSTODY

Page 3 of 4

[illegible]



## Certificate of Analysis

JBS & G Australia (NSW & WA) P/L  
Level 1, 50 Margaret St  
Sydney  
NSW 2000



NATA Accredited  
Accreditation Number 1261  
Site Number 1254

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.

Attention: Nathan Cussen

Report 483477-S  
Project name ADDITIONAL: ATP  
Project ID 50720  
Received Date Dec 15, 2015

| Client Sample ID                                             |     |       | BH01 1.0-2.0 | BH03 1.0-2.0 | BH09 0.0-1.0 | BH10 0.0-1.0 |
|--------------------------------------------------------------|-----|-------|--------------|--------------|--------------|--------------|
| Sample Matrix                                                |     |       | Soil         | Soil         | Soil         | Soil         |
| Eurofins   mgt Sample No.                                    |     |       | S15-De15624  | S15-De15625  | S15-De15626  | S15-De15627  |
| Date Sampled                                                 |     |       | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 | Dec 06, 2015 |
| Test/Reference                                               | LOR | Unit  |              |              |              |              |
| <b>TRH - 2013 NEPM Fractions (after silica gel clean-up)</b> |     |       |              |              |              |              |
| TRH >C10-C16 (after silica gel clean-up)                     | 50  | mg/kg | < 50         | 450          | < 50         | < 50         |
| TRH >C16-C34 (after silica gel clean-up)                     | 100 | mg/kg | < 100        | 2900         | < 100        | < 100        |
| TRH >C34-C40 (after silica gel clean-up)                     | 100 | mg/kg | < 100        | 160          | 110          | < 100        |
| <b>TRH - 1999 NEPM Fractions (after silica gel clean-up)</b> |     |       |              |              |              |              |
| TRH C10-C36 (Total) (after silica gel clean-up)              | 100 | mg/kg | < 100        | 3500         | < 100        | < 100        |
| TRH C10-C14 (after silica gel clean-up)                      | 50  | mg/kg | < 50         | < 50         | < 50         | < 50         |
| TRH C15-C28 (after silica gel clean-up)                      | 100 | mg/kg | < 100        | 2600         | < 100        | < 100        |
| TRH C29-C36 (after silica gel clean-up)                      | 100 | mg/kg | < 100        | 900          | < 100        | < 100        |
|                                                              |     |       |              |              |              |              |
| % Moisture                                                   | 0.1 | %     | 13           | 5.4          | 8.2          | 5.5          |



## Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description                                           | Testing Site | Extracted    | Holding Time |
|-------------------------------------------------------|--------------|--------------|--------------|
| TRH - 2013 NEPM Fractions (after silica gel clean-up) | Sydney       | Dec 17, 2015 | 14 Day       |
| - Method: LM-LTM-ORG2010                              |              |              |              |
| TRH - 1999 NEPM Fractions (after silica gel clean-up) | Sydney       | Dec 17, 2015 | 14 Day       |
| - Method: LM-LTM-ORG2010                              |              |              |              |
| % Moisture                                            | Sydney       | Dec 15, 2015 | 14 Day       |
| - Method: LTM-GEN-7080 Moisture                       |              |              |              |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ADDITIONAL: ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 483477  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 15, 2015 2:34 PM  
**Due:** Dec 22, 2015  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |                      |             | Total Recoverable Hydrocarbons - 1999 NEPM Fractions | AUS Leaching Procedure | Total Recoverable Hydrocarbons - 2013 NEPM Fractions | TRH (after Silica Gel cleanup) | Moisture Set |
|-------------------------------------------------|--------------|---------------|----------------------|-------------|------------------------------------------------------|------------------------|------------------------------------------------------|--------------------------------|--------------|
| Laboratory where analysis is conducted          |              |               |                      |             |                                                      |                        |                                                      |                                |              |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |                      |             |                                                      |                        |                                                      |                                |              |
| Sydney Laboratory - NATA Site # 18217           |              |               |                      |             | X                                                    | X                      | X                                                    | X                              | X            |
| Brisbane Laboratory - NATA Site # 20794         |              |               |                      |             |                                                      |                        |                                                      |                                |              |
| External Laboratory                             |              |               |                      |             |                                                      |                        |                                                      |                                |              |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |                                                      |                        |                                                      |                                |              |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De15620 | X                                                    | X                      | X                                                    |                                |              |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De15621 | X                                                    | X                      | X                                                    |                                |              |
| BH09 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De15622 | X                                                    | X                      | X                                                    |                                |              |
| BH10 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De15623 | X                                                    | X                      | X                                                    |                                |              |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | Soil                 | S15-De15624 |                                                      |                        |                                                      | X                              | X            |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | Soil                 | S15-De15625 |                                                      |                        |                                                      | X                              | X            |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ADDITIONAL: ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 483477  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 15, 2015 2:34 PM  
**Due:** Dec 22, 2015  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

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| BH09 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De15626 |                                                      |                        |                                                      | X                              | X            |
| BH10 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De15627 |                                                      |                        |                                                      | X                              | X            |

## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

**\*\*NOTE:** pH duplicates are reported as a range NOT as RPD

### Units

**mg/kg:** milligrams per Kilogram

**ug/l:** micrograms per litre

**ppb:** Parts per billion

**org/100ml:** Organisms per 100 millilitres

**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

**mg/l:** milligrams per litre

**ppm:** Parts per million

**%:** Percentage

**NTU:** Nephelometric Turbidity Units

### Terms

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                    |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                               |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                        |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                             |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery                                                                                                          |
| <b>CRM</b>              | Certified Reference Material - reported as percent recovery                                                                                                       |
| <b>Method Blank</b>     | In the case of solid samples these are performed on laboratory certified clean sands.<br>In the case of water samples these are performed on de-ionised water.    |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                        |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                  |
| <b>Batch Duplicate</b>  | A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>Batch SPIKE</b>      | Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>USEPA</b>            | United States Environmental Protection Agency                                                                                                                     |
| <b>APHA</b>             | American Public Health Association                                                                                                                                |
| <b>ASLP</b>             | Australian Standard Leaching Procedure (AS4439.3)                                                                                                                 |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                        |
| <b>COC</b>              | Chain of Custody                                                                                                                                                  |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                             |
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| <b>TEQ</b>              | Toxic Equivalency Quotient                                                                                                                                        |

### QC - Acceptance Criteria

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

Results <10 times the LOR : No Limit

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

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

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

### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                                                         |               |           | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
|--------------------------------------------------------------|---------------|-----------|-------|----------|----------|-----|-------------------|-------------|-----------------|
| <b>Method Blank</b>                                          |               |           |       |          |          |     |                   |             |                 |
| <b>TRH - 2013 NEPM Fractions (after silica gel clean-up)</b> |               |           |       |          |          |     |                   |             |                 |
| TRH >C10-C16 (after silica gel clean-up)                     |               |           | mg/kg | < 50     |          |     | 50                | Pass        |                 |
| TRH >C16-C34 (after silica gel clean-up)                     |               |           | mg/kg | < 100    |          |     | 100               | Pass        |                 |
| TRH >C34-C40 (after silica gel clean-up)                     |               |           | mg/kg | < 100    |          |     | 100               | Pass        |                 |
| <b>Method Blank</b>                                          |               |           |       |          |          |     |                   |             |                 |
| <b>TRH - 1999 NEPM Fractions (after silica gel clean-up)</b> |               |           |       |          |          |     |                   |             |                 |
| TRH C10-C36 (Total) (after silica gel clean-up)              |               |           | mg/kg | < 100    |          |     | 100               | Pass        |                 |
| TRH C10-C14 (after silica gel clean-up)                      |               |           | mg/kg | < 50     |          |     | 50                | Pass        |                 |
| TRH C15-C28 (after silica gel clean-up)                      |               |           | mg/kg | < 100    |          |     | 100               | Pass        |                 |
| TRH C29-C36 (after silica gel clean-up)                      |               |           | mg/kg | < 100    |          |     | 100               | Pass        |                 |
| <b>LCS - % Recovery</b>                                      |               |           |       |          |          |     |                   |             |                 |
| <b>TRH - 2013 NEPM Fractions (after silica gel clean-up)</b> |               |           |       |          |          |     |                   |             |                 |
| TRH >C10-C16 (after silica gel clean-up)                     |               |           | %     | 84       |          |     | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>                                      |               |           |       |          |          |     |                   |             |                 |
| <b>TRH - 1999 NEPM Fractions (after silica gel clean-up)</b> |               |           |       |          |          |     |                   |             |                 |
| TRH C10-C14 (after silica gel clean-up)                      |               |           | %     | 82       |          |     | 70-130            | Pass        |                 |
| Test                                                         | Lab Sample ID | QA Source | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Duplicate</b>                                             |               |           |       |          |          |     |                   |             |                 |
|                                                              |               |           |       | Result 1 | Result 2 | RPD |                   |             |                 |
| % Moisture                                                   | S15-De08064   | NCP       | %     | 7.0      | 6.2      | 12  | 30%               | Pass        |                 |

## Comments

### Sample Integrity

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

## Authorised By

|                |                                |
|----------------|--------------------------------|
| Charl Du Preez | Analytical Services Manager    |
| Bob Symons     | Senior Analyst-Inorganic (NSW) |
| Ivan Taylor    | Senior Analyst-Metal (NSW)     |
| Ryan Hamilton  | Senior Analyst-Organic (NSW)   |



**Glenn Jackson**

**National Operations Manager**

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

Eurofins | mgt shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins | mgt be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

## Certificate of Analysis

JBS & G Australia (NSW & WA) P/L  
Level 1, 50 Margaret St  
Sydney  
NSW 2000



NATA Accredited  
Accreditation Number 1261  
Site Number 1254

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.

Attention: Nathan Cussen

Report 483477-L  
Project name ADDITIONAL: ATP  
Project ID 50720  
Received Date Dec 15, 2015

| Client Sample ID                                     |      |          | BH01 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De15620<br>Dec 06, 2015 | BH03 1.0-2.0<br>ASLP -<br>Reagent Water<br>S15-De15621<br>Dec 06, 2015 | BH09 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De15622<br>Dec 06, 2015 | BH10 0.0-1.0<br>ASLP -<br>Reagent Water<br>S15-De15623<br>Dec 06, 2015 |
|------------------------------------------------------|------|----------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sample Matrix                                        |      |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Eurofins   mgt Sample No.                            |      |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Date Sampled                                         |      |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Test/Reference                                       | LOR  | Unit     |                                                                        |                                                                        |                                                                        |                                                                        |
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions |      |          |                                                                        |                                                                        |                                                                        |                                                                        |
| TRH C10-C14                                          | 0.05 | mg/L     | < 0.05                                                                 | < 0.05                                                                 | < 0.05                                                                 | < 0.05                                                                 |
| TRH C15-C28                                          | 0.1  | mg/L     | < 0.1                                                                  | 0.9                                                                    | < 0.1                                                                  | < 0.1                                                                  |
| TRH C29-C36                                          | 0.1  | mg/L     | < 0.1                                                                  | < 0.1                                                                  | < 0.1                                                                  | < 0.1                                                                  |
| TRH C10-36 (Total)                                   | 0.1  | mg/L     | < 0.1                                                                  | 0.90                                                                   | < 0.1                                                                  | < 0.1                                                                  |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |      |          |                                                                        |                                                                        |                                                                        |                                                                        |
| TRH >C10-C16                                         | 0.05 | mg/L     | < 0.05                                                                 | < 0.05                                                                 | < 0.05                                                                 | < 0.05                                                                 |
| TRH >C16-C34                                         | 0.1  | mg/L     | < 0.1                                                                  | 0.9                                                                    | < 0.1                                                                  | < 0.1                                                                  |
| TRH >C34-C40                                         | 0.1  | mg/L     | < 0.1                                                                  | < 0.1                                                                  | < 0.1                                                                  | < 0.1                                                                  |
| AUS Leaching Procedure                               |      |          |                                                                        |                                                                        |                                                                        |                                                                        |
| Leachate Fluid <sup>C01</sup>                        |      | comment  | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    | 4.0                                                                    |
| pH (initial)                                         | 0.1  | pH Units | 7.0                                                                    | 9.5                                                                    | 9.4                                                                    | 9.3                                                                    |
| pH (off)                                             | 0.1  | pH Units | 7.5                                                                    | 9.2                                                                    | 9.1                                                                    | 9.3                                                                    |



## Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description                                                                                 | Testing Site | Extracted    | Holding Time |
|---------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions<br>- Method: TRH C6-C36 - LTM-ORG-2010 | Sydney       | Dec 18, 2015 | 7 Day        |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions<br>- Method: TRH C6-C40 - LTM-ORG-2010 | Sydney       | Dec 18, 2015 | 7 Day        |
| AUS Leaching Procedure<br>- Method: LTM-GEN-7010                                            | Sydney       | Dec 17, 2015 | 7 Day        |

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Eurofins | mgt Client Manager: Charl Du Preez

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| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |                                                      |                        |                                                      |                                |              |
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2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                                                        | Units | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-------------------------------------------------------------|-------|----------|--|--|-------------------|-------------|-----------------|
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| TRH C10-C14                                                 | mg/L  | < 0.05   |  |  | 0.05              | Pass        |                 |
| TRH C15-C28                                                 | mg/L  | < 0.1    |  |  | 0.1               | Pass        |                 |
| TRH C29-C36                                                 | mg/L  | < 0.1    |  |  | 0.1               | Pass        |                 |
| <b>Method Blank</b>                                         |       |          |  |  |                   |             |                 |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |          |  |  |                   |             |                 |
| TRH >C10-C16                                                | mg/L  | < 0.05   |  |  | 0.05              | Pass        |                 |
| TRH >C16-C34                                                | mg/L  | < 0.1    |  |  | 0.1               | Pass        |                 |
| TRH >C34-C40                                                | mg/L  | < 0.1    |  |  | 0.1               | Pass        |                 |

## Comments

### Sample Integrity

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

### Qualifier Codes/Comments

| Code | Description                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------|
| C01  | Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other |

## Authorised By

|                |                              |
|----------------|------------------------------|
| Charl Du Preez | Analytical Services Manager  |
| Ryan Hamilton  | Senior Analyst-Organic (NSW) |



**Glenn Jackson**

### National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

Eurofins | mgt shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins | mgt be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ADDITIONAL: ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 483477  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 15, 2015 2:34 PM  
**Due:** Dec 22, 2015  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |                      |             | Total Recoverable Hydrocarbons - 1999 NEPM Fractions | AUS Leaching Procedure | Total Recoverable Hydrocarbons - 2013 NEPM Fractions | TRH (after Silica Gel cleanup) | Moisture Set |
|-------------------------------------------------|--------------|---------------|----------------------|-------------|------------------------------------------------------|------------------------|------------------------------------------------------|--------------------------------|--------------|
| Laboratory where analysis is conducted          |              |               |                      |             |                                                      |                        |                                                      |                                |              |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |                      |             |                                                      |                        |                                                      |                                |              |
| Sydney Laboratory - NATA Site # 18217           |              |               |                      |             | X                                                    | X                      | X                                                    | X                              | X            |
| Brisbane Laboratory - NATA Site # 20794         |              |               |                      |             |                                                      |                        |                                                      |                                |              |
| External Laboratory                             |              |               |                      |             |                                                      |                        |                                                      |                                |              |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |                                                      |                        |                                                      |                                |              |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De15620 | X                                                    | X                      | X                                                    |                                |              |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De15621 | X                                                    | X                      | X                                                    |                                |              |
| BH09 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De15622 | X                                                    | X                      | X                                                    |                                |              |
| BH10 0.0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De15623 | X                                                    | X                      | X                                                    |                                |              |
| BH01 1.0-2.0                                    | Dec 06, 2015 |               | Soil                 | S15-De15624 |                                                      |                        |                                                      | X                              | X            |
| BH03 1.0-2.0                                    | Dec 06, 2015 |               | Soil                 | S15-De15625 |                                                      |                        |                                                      | X                              | X            |



**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ADDITIONAL: ATP  
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**Order No.:**  
**Report #:** 483477  
**Phone:** 02 8245 0300  
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**Received:** Dec 15, 2015 2:34 PM  
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**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

**Eurofins | mgt Client Manager: Charl Du Preez**

| Sample Detail                                   |              |  |      |             | Total Recoverable Hydrocarbons - 1999 NEPM Fractions | AUS Leaching Procedure | Total Recoverable Hydrocarbons - 2013 NEPM Fractions | TRH (after Silica Gel cleanup) | Moisture Set |
|-------------------------------------------------|--------------|--|------|-------------|------------------------------------------------------|------------------------|------------------------------------------------------|--------------------------------|--------------|
| Laboratory where analysis is conducted          |              |  |      |             |                                                      |                        |                                                      |                                |              |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |      |             |                                                      |                        |                                                      |                                |              |
| Sydney Laboratory - NATA Site # 18217           |              |  |      |             | X                                                    | X                      | X                                                    | X                              | X            |
| Brisbane Laboratory - NATA Site # 20794         |              |  |      |             |                                                      |                        |                                                      |                                |              |
| External Laboratory                             |              |  |      |             |                                                      |                        |                                                      |                                |              |
| BH09 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De15626 |                                                      |                        |                                                      | X                              | X            |
| BH10 0.0-1.0                                    | Dec 06, 2015 |  | Soil | S15-De15627 |                                                      |                        |                                                      | X                              | X            |

## Sample Receipt Advice

Company name: **JBS & G Australia (NSW & WA) P/L**  
Contact name: **Nathan Cussen**  
Project name: **ADDITIONAL: ATP**  
Project ID: **50720**  
COC number: **Not provided**  
Turn around time: **5 Day**  
Date/Time received: **Dec 15, 2015 2:34 PM**  
Eurofins | mgt reference: **483477**

### Sample information

- ☒ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ☒ Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt  
Sample Receipt : 1.6 degrees Celsius.
- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ Attempt to chill was evident.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ☒ Appropriate sample containers have been used.
- ☒ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

### Notes

Additional from 482392| Very limited sample

### Contact notes

If you have any questions with respect to these samples please contact:

Charl Du Preez on Phone : +61 (2) 9900 8400 or by e.mail: charldupreez@eurofins.com.au

Results will be delivered electronically via e.mail to Nathan Cussen - ncussen@jbsg.com.au.

493477

Ser 15/12 2:34

## Sample Receipt 1 Syd

**From:** Nibha Vaidya  
**Sent:** Tuesday, 15 December 2015 2:34 PM  
**To:** EnviroSampleNSW  
**Subject:** FW: Lab Batch 482392

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Additional please

Nibha Vaidya  
Phone : +61 2 9900 8415  
Email : [NibhaVaidya@eurofins.com.au](mailto:NibhaVaidya@eurofins.com.au)

---

**From:** Nathan Cussen [<mailto:NCussen@jbsg.com.au>]  
**Sent:** Tuesday, 15 December 2015 2:33 PM  
**To:** Nibha Vaidya  
**Subject:** Lab Batch 482392

Hi Nibha,

Can I please schedule TRH ASLP and silca gel clean up analysis for the samples below from lab batch 482392 on a STD TAT.

- BH01 1.0-2.0;
- BH03 1.0-2.0;
- BH09 0.0-1.0; and
- BH10 0.0-1.0.

Cheers,  
Nathan



**Nathan Cussen** | Senior Environmental Consultant | JBS&G  
Sydney | Melbourne | Adelaide | Perth | Brisbane  
Level 1, 50 Margaret Street Sydney NSW 2000  
T: 02 8245 0300 | M: 0431 401 022 | [www.jbsg.com.au](http://www.jbsg.com.au)

Contaminated Land | Groundwater Remediation | Auditing and Compliance | Assessments and Approvals | Occupational Hygiene and Monitoring

The JBS&G Sydney office will be closed for the Christmas break from 25<sup>th</sup> December until 4<sup>th</sup> January, inclusive.

Thank you for all your support during 2015 and we look forward to working with you in 2016

Merry Christmas and Happy New Year

\*\*\*\*\*

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## Sample Receipt 1 Syd

---

**Subject:** FW: 483477

---

**From:** Nibha Vaidya

**Sent:** Thursday, 17 December 2015 6:07 PM

**To:** Sample Receipt 1 Syd

**Subject:** RE: 483477

Thanks Ellen,

Please go ahead with TRH after silica gel clean up and semi-vol TRH ASLP.

Nibha Vaidya

Phone : +61 2 9900 8415

Email : [NibhaVaidya@eurofins.com.au](mailto:NibhaVaidya@eurofins.com.au)

*For the Christmas and New Year period, please click [here](#) to view laboratory shutdown dates*

*Eurofins | mgt add Illicit Drug analysis to our Brisbane Laboratory to assist the clean-up of clandestine drug labs in Australia & New Zealand.*

*Additionally PFBA added to PFASs analysis - for more information click [here](#)*

*CHK # 483477*

# Certificate of Analysis

JBS & G Australia (NSW & WA) P/L  
Level 1, 50 Margaret St  
Sydney  
NSW 2000



NATA Accredited  
Accreditation Number 1261  
Site Number 1254

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.

Attention: Nathan Cussen

Report 482927-L  
Project name ATP  
Project ID 50720  
Received Date Dec 07, 2015

| Client Sample ID                                     |       |          | M11 BULK 1_0-1.0<br>ASLP - Reagent Water<br>S15-De10570<br>Dec 06, 2015 | M11 BULK 1_1.0-2.0<br>ASLP - Reagent Water<br>S15-De10571<br>Dec 06, 2015 | M11 BULK 2_0-1.0<br>ASLP - Reagent Water<br>S15-De10572<br>Dec 06, 2015 | M11 BULK 2_1.0-2.0<br>ASLP - Reagent Water<br>S15-De10573<br>Dec 06, 2015 |
|------------------------------------------------------|-------|----------|-------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Sample Matrix                                        |       |          |                                                                         |                                                                           |                                                                         |                                                                           |
| Eurofins   mgt Sample No.                            |       |          |                                                                         |                                                                           |                                                                         |                                                                           |
| Date Sampled                                         |       |          |                                                                         |                                                                           |                                                                         |                                                                           |
| Test/Reference                                       | LOR   | Unit     |                                                                         |                                                                           |                                                                         |                                                                           |
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions |       |          |                                                                         |                                                                           |                                                                         |                                                                           |
| TRH C10-C14                                          | 0.05  | mg/L     | < 0.05                                                                  | < 0.05                                                                    | < 0.05                                                                  | < 0.05                                                                    |
| TRH C15-C28                                          | 0.1   | mg/L     | < 0.1                                                                   | < 0.1                                                                     | < 0.1                                                                   | < 0.1                                                                     |
| TRH C29-C36                                          | 0.1   | mg/L     | < 0.1                                                                   | < 0.1                                                                     | < 0.1                                                                   | < 0.1                                                                     |
| TRH C10-36 (Total)                                   | 0.1   | mg/L     | < 0.1                                                                   | < 0.1                                                                     | < 0.1                                                                   | < 0.1                                                                     |
| Polycyclic Aromatic Hydrocarbons                     |       |          |                                                                         |                                                                           |                                                                         |                                                                           |
| Acenaphthene                                         | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Acenaphthylene                                       | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Anthracene                                           | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Benz(a)anthracene                                    | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Benzo(a)pyrene                                       | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Benzo(b&j)fluoranthene <sup>N07</sup>                | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Benzo(g,h,i)perylene                                 | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Benzo(k)fluoranthene                                 | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Chrysene                                             | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Dibenz(a,h)anthracene                                | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Fluoranthene                                         | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Fluorene                                             | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Indeno(1,2,3-cd)pyrene                               | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Naphthalene                                          | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Phenanthrene                                         | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Pyrene                                               | 0.001 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| Total PAH*                                           | 0.002 | mg/L     | < 0.001                                                                 | < 0.001                                                                   | < 0.001                                                                 | < 0.001                                                                   |
| 2-Fluorobiphenyl (surr.)                             | 1     | %        | 86                                                                      | 50                                                                        | 51                                                                      | 73                                                                        |
| p-Terphenyl-d14 (surr.)                              | 1     | %        | 125                                                                     | 56                                                                        | 58                                                                      | 108                                                                       |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions |       |          |                                                                         |                                                                           |                                                                         |                                                                           |
| TRH >C10-C16                                         | 0.05  | mg/L     | < 0.05                                                                  | < 0.05                                                                    | < 0.05                                                                  | < 0.05                                                                    |
| TRH >C16-C34                                         | 0.1   | mg/L     | < 0.1                                                                   | < 0.1                                                                     | < 0.1                                                                   | < 0.1                                                                     |
| TRH >C34-C40                                         | 0.1   | mg/L     | < 0.1                                                                   | < 0.1                                                                     | < 0.1                                                                   | < 0.1                                                                     |
|                                                      |       |          |                                                                         |                                                                           |                                                                         |                                                                           |
| Conductivity (at 25°C)                               | 1     | uS/cm    | 520                                                                     | 540                                                                       | 810                                                                     | 180                                                                       |
| pH                                                   | 0.1   | pH Units | 8.0                                                                     | 6.9                                                                       | 9.1                                                                     | 6.9                                                                       |
| Total Dissolved Solids                               | 5     | mg/L     | 450                                                                     | 360                                                                       | 600                                                                     | 140                                                                       |

|                                  |        |      |                             |                             |                             |                             |
|----------------------------------|--------|------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| <b>Client Sample ID</b>          |        |      | <b>M11 BULK 1_0-1.0</b>     | <b>M11 BULK 1_1.0-2.0</b>   | <b>M11 BULK 2_0-1.0</b>     | <b>M11 BULK 2_1.0-2.0</b>   |
| <b>Sample Matrix</b>             |        |      | <b>ASLP - Reagent Water</b> | <b>ASLP - Reagent Water</b> | <b>ASLP - Reagent Water</b> | <b>ASLP - Reagent Water</b> |
| <b>Eurofins   mgt Sample No.</b> |        |      | <b>S15-De10570</b>          | <b>S15-De10571</b>          | <b>S15-De10572</b>          | <b>S15-De10573</b>          |
| <b>Date Sampled</b>              |        |      | <b>Dec 06, 2015</b>         | <b>Dec 06, 2015</b>         | <b>Dec 06, 2015</b>         | <b>Dec 06, 2015</b>         |
| Test/Reference                   | LOR    | Unit |                             |                             |                             |                             |
| <b>Heavy Metals</b>              |        |      |                             |                             |                             |                             |
| Arsenic (filtered)               | 0.001  | mg/L | 0.002                       | 0.001                       | 0.003                       | 0.003                       |
| Cadmium (filtered)               | 0.0001 | mg/L | 0.0002                      | < 0.0001                    | < 0.0001                    | < 0.0001                    |
| Chromium (filtered)              | 0.001  | mg/L | 0.002                       | < 0.001                     | 0.002                       | < 0.001                     |
| Copper (filtered)                | 0.001  | mg/L | 0.007                       | 0.012                       | 0.013                       | 0.010                       |
| Lead (filtered)                  | 0.001  | mg/L | < 0.001                     | < 0.001                     | < 0.001                     | 0.002                       |
| Mercury (filtered)               | 0.0001 | mg/L | < 0.0001                    | < 0.0001                    | < 0.0001                    | 0.0001                      |
| Nickel (filtered)                | 0.001  | mg/L | 0.002                       | 0.001                       | < 0.001                     | 0.001                       |
| Zinc (filtered)                  | 0.005  | mg/L | 0.093                       | 0.006                       | < 0.005                     | 0.011                       |

|                                                             |       |      |                             |                             |
|-------------------------------------------------------------|-------|------|-----------------------------|-----------------------------|
| <b>Client Sample ID</b>                                     |       |      | <b>M11 BULK 3_0-1.0</b>     | <b>M11 BULK 3_1.0-2.0</b>   |
| <b>Sample Matrix</b>                                        |       |      | <b>ASLP - Reagent Water</b> | <b>ASLP - Reagent Water</b> |
| <b>Eurofins   mgt Sample No.</b>                            |       |      | <b>S15-De10574</b>          | <b>S15-De10575</b>          |
| <b>Date Sampled</b>                                         |       |      | <b>Dec 06, 2015</b>         | <b>Dec 06, 2015</b>         |
| Test/Reference                                              | LOR   | Unit |                             |                             |
| <b>Total Recoverable Hydrocarbons - 1999 NEPM Fractions</b> |       |      |                             |                             |
| TRH C10-C14                                                 | 0.05  | mg/L | < 0.05                      | < 0.05                      |
| TRH C15-C28                                                 | 0.1   | mg/L | 0.2                         | < 0.1                       |
| TRH C29-C36                                                 | 0.1   | mg/L | < 0.1                       | < 0.1                       |
| TRH C10-36 (Total)                                          | 0.1   | mg/L | 0.2                         | < 0.1                       |
| <b>Polycyclic Aromatic Hydrocarbons</b>                     |       |      |                             |                             |
| Acenaphthene                                                | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Acenaphthylene                                              | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Anthracene                                                  | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Benz(a)anthracene                                           | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Benzo(a)pyrene                                              | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Benzo(b&j)fluoranthene <sup>N07</sup>                       | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Benzo(g,h,i)perylene                                        | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Benzo(k)fluoranthene                                        | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Chrysene                                                    | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Dibenz(a,h)anthracene                                       | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Fluoranthene                                                | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Fluorene                                                    | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Indeno(1.2.3-cd)pyrene                                      | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Naphthalene                                                 | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Phenanthrene                                                | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Pyrene                                                      | 0.001 | mg/L | < 0.001                     | < 0.001                     |
| Total PAH*                                                  | 0.002 | mg/L | < 0.001                     | < 0.001                     |
| 2-Fluorobiphenyl (surr.)                                    | 1     | %    | 78                          | 74                          |
| p-Terphenyl-d14 (surr.)                                     | 1     | %    | 121                         | 112                         |
| <b>Total Recoverable Hydrocarbons - 2013 NEPM Fractions</b> |       |      |                             |                             |
| TRH >C10-C16                                                | 0.05  | mg/L | < 0.05                      | < 0.05                      |
| TRH >C16-C34                                                | 0.1   | mg/L | 0.2                         | < 0.1                       |
| TRH >C34-C40                                                | 0.1   | mg/L | < 0.1                       | < 0.1                       |

|                                  |        |          |                                    |                                      |
|----------------------------------|--------|----------|------------------------------------|--------------------------------------|
| <b>Client Sample ID</b>          |        |          | <sup>M11</sup> <b>BULK 3_0-1.0</b> | <sup>M11</sup> <b>BULK 3_1.0-2.0</b> |
| <b>Sample Matrix</b>             |        |          | <b>ASLP - Reagent Water</b>        | <b>ASLP - Reagent Water</b>          |
| <b>Eurofins   mgt Sample No.</b> |        |          | <b>S15-De10574</b>                 | <b>S15-De10575</b>                   |
| <b>Date Sampled</b>              |        |          | <b>Dec 06, 2015</b>                | <b>Dec 06, 2015</b>                  |
| Test/Reference                   | LOR    | Unit     |                                    |                                      |
| Conductivity (at 25°C)           | 1      | uS/cm    | 270                                | 364                                  |
| pH                               | 0.1    | pH Units | 9.7                                | 7.6                                  |
| Total Dissolved Solids           | 5      | mg/L     | 380                                | 495                                  |
| <b>Heavy Metals</b>              |        |          |                                    |                                      |
| Arsenic (filtered)               | 0.001  | mg/L     | 0.005                              | < 0.001                              |
| Cadmium (filtered)               | 0.0001 | mg/L     | < 0.0001                           | < 0.0001                             |
| Chromium (filtered)              | 0.001  | mg/L     | 0.002                              | < 0.001                              |
| Copper (filtered)                | 0.001  | mg/L     | 0.012                              | 0.006                                |
| Lead (filtered)                  | 0.001  | mg/L     | < 0.001                            | < 0.001                              |
| Mercury (filtered)               | 0.0001 | mg/L     | 0.0001                             | < 0.0001                             |
| Nickel (filtered)                | 0.001  | mg/L     | < 0.001                            | 0.005                                |
| Zinc (filtered)                  | 0.005  | mg/L     | < 0.005                            | 0.022                                |



## Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.  
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description                                                                                 | Testing Site | Extracted    | Holding Time |
|---------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Total Recoverable Hydrocarbons - 1999 NEPM Fractions<br>- Method: TRH C6-C36 - LTM-ORG-2010 | Sydney       | Dec 14, 2015 | 7 Day        |
| Polycyclic Aromatic Hydrocarbons<br>- Method: E007 Polyaromatic Hydrocarbons (PAH)          | Sydney       | Dec 14, 2015 | 7 Day        |
| Total Recoverable Hydrocarbons - 2013 NEPM Fractions<br>- Method: TRH C6-C40 - LTM-ORG-2010 | Sydney       | Dec 14, 2015 | 7 Day        |
| Conductivity (at 25°C)                                                                      | Sydney       | Dec 14, 2015 | 28 Day       |
| pH<br>- Method: LTM-GEN-7090 pH in water by ISE                                             | Sydney       | Dec 14, 2015 | 1 Day        |
| Total Dissolved Solids<br>- Method: 4110 Total Dissolved Solids dried at 180 ± 2°C          | Sydney       | Dec 15, 2015 | 7 Day        |
| Metals M8 filtered                                                                          | Sydney       | Dec 11, 2015 | 28 Day       |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 482927  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Dec 7, 2015 2:50 PM  
**Due:** Dec 21, 2015  
**Priority:** 10 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |                      |             | Conductivity (at 25°C) | pH | Total Dissolved Solids | Total Recoverable Hydrocarbons - 1999 NEPM Fractions | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 filtered | NEPM Fractions | Total Recoverable Hydrocarbons - 2013 |
|-------------------------------------------------|--------------|---------------|----------------------|-------------|------------------------|----|------------------------|------------------------------------------------------|----------------------------------|------------------------|--------------------|----------------|---------------------------------------|
| Laboratory where analysis is conducted          |              |               |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                |                                       |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                |                                       |
| Sydney Laboratory - NATA Site # 18217           |              |               |                      |             | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X              | X                                     |
| Brisbane Laboratory - NATA Site # 20794         |              |               |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                |                                       |
| External Laboratory                             |              |               |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                |                                       |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |                        |    |                        |                                                      |                                  |                        |                    |                |                                       |
| BULK 1_0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10570 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X              | X                                     |
| BULK 1_1.0-2.0                                  | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10571 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X              | X                                     |
| BULK 2_0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10572 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X              | X                                     |
| BULK 2_1.0-2.0                                  | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10573 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X              | X                                     |
| BULK 3_0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10574 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X              | X                                     |

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| Sample Detail                                   |              |  |                      |             | Conductivity (at 25°C) | pH | Total Dissolved Solids | Total Recoverable Hydrocarbons - 1999 NEPM Fractions | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 filtered | Total Recoverable Hydrocarbons - 2013 NEPM Fractions |
|-------------------------------------------------|--------------|--|----------------------|-------------|------------------------|----|------------------------|------------------------------------------------------|----------------------------------|------------------------|--------------------|------------------------------------------------------|
| Laboratory where analysis is conducted          |              |  |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| External Laboratory                             |              |  |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| BULK 3_1.0-2.0                                  | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De10575 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |

## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

**\*\*NOTE:** pH duplicates are reported as a range NOT as RPD

### Units

**mg/kg:** milligrams per Kilogram

**ug/l:** micrograms per litre

**ppb:** Parts per billion

**org/100ml:** Organisms per 100 millilitres

**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

**mg/l:** milligrams per litre

**ppm:** Parts per million

**%:** Percentage

**NTU:** Nephelometric Turbidity Units

### Terms

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                    |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                               |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                        |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                             |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery                                                                                                          |
| <b>CRM</b>              | Certified Reference Material - reported as percent recovery                                                                                                       |
| <b>Method Blank</b>     | In the case of solid samples these are performed on laboratory certified clean sands.<br>In the case of water samples these are performed on de-ionised water.    |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                        |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                  |
| <b>Batch Duplicate</b>  | A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>Batch SPIKE</b>      | Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>USEPA</b>            | United States Environmental Protection Agency                                                                                                                     |
| <b>APHA</b>             | American Public Health Association                                                                                                                                |
| <b>ASLP</b>             | Australian Standard Leaching Procedure (AS4439.3)                                                                                                                 |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                        |
| <b>COC</b>              | Chain of Custody                                                                                                                                                  |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                             |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                             |
| <b>NCP</b>              | Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within |
| <b>TEQ</b>              | Toxic Equivalency Quotient                                                                                                                                        |

### QC - Acceptance Criteria

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

Results <10 times the LOR : No Limit

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

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

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

### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                                    |               |           |       | Units    | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
|-----------------------------------------|---------------|-----------|-------|----------|----------|----------|-----|-------------------|-------------|-----------------|
| <b>Method Blank</b>                     |               |           |       |          |          |          |     |                   |             |                 |
| <b>Polycyclic Aromatic Hydrocarbons</b> |               |           |       |          |          |          |     |                   |             |                 |
| Acenaphthene                            |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Acenaphthylene                          |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Anthracene                              |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Benz(a)anthracene                       |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Benzo(a)pyrene                          |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Benzo(b&j)fluoranthene                  |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Benzo(g,h,i)perylene                    |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Benzo(k)fluoranthene                    |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Chrysene                                |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Dibenz(a,h)anthracene                   |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Fluoranthene                            |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Fluorene                                |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Indeno(1,2,3-cd)pyrene                  |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Naphthalene                             |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Phenanthrene                            |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Pyrene                                  |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| <b>Method Blank</b>                     |               |           |       |          |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                     |               |           |       |          |          |          |     |                   |             |                 |
| Arsenic (filtered)                      |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Cadmium (filtered)                      |               |           |       | mg/L     | < 0.0001 |          |     | 0.0001            | Pass        |                 |
| Chromium (filtered)                     |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Copper (filtered)                       |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Lead (filtered)                         |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Mercury (filtered)                      |               |           |       | mg/L     | < 0.0001 |          |     | 0.0001            | Pass        |                 |
| Nickel (filtered)                       |               |           |       | mg/L     | < 0.001  |          |     | 0.001             | Pass        |                 |
| Zinc (filtered)                         |               |           |       | mg/L     | < 0.005  |          |     | 0.005             | Pass        |                 |
| Test                                    | Lab Sample ID | QA Source | Units | Result 1 |          |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Spike - % Recovery</b>               |               |           |       |          |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>                     |               |           |       |          | Result 1 |          |     |                   |             |                 |
| Arsenic (filtered)                      | S15-De10572   | CP        | %     | 96       |          |          |     | 70-130            | Pass        |                 |
| Cadmium (filtered)                      | S15-De10572   | CP        | %     | 96       |          |          |     | 70-130            | Pass        |                 |
| Chromium (filtered)                     | S15-De10572   | CP        | %     | 89       |          |          |     | 70-130            | Pass        |                 |
| Copper (filtered)                       | S15-De10572   | CP        | %     | 86       |          |          |     | 70-130            | Pass        |                 |
| Lead (filtered)                         | S15-De10572   | CP        | %     | 88       |          |          |     | 70-130            | Pass        |                 |
| Mercury (filtered)                      | S15-De10572   | CP        | %     | 80       |          |          |     | 70-130            | Pass        |                 |
| Nickel (filtered)                       | S15-De10572   | CP        | %     | 89       |          |          |     | 70-130            | Pass        |                 |
| Zinc (filtered)                         | S15-De10572   | CP        | %     | 95       |          |          |     | 70-130            | Pass        |                 |
| Test                                    | Lab Sample ID | QA Source | Units | Result 1 |          |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Duplicate</b>                        |               |           |       |          |          |          |     |                   |             |                 |
|                                         |               |           |       |          | Result 1 | Result 2 | RPD |                   |             |                 |
| Conductivity (at 25°C)                  | S15-De10570   | CP        | uS/cm | 520      | 510      | <1       | 30% | Pass              |             |                 |
| <b>Duplicate</b>                        |               |           |       |          |          |          |     |                   |             |                 |
|                                         |               |           |       |          | Result 1 | Result 2 | RPD |                   |             |                 |
| Conductivity (at 25°C)                  | S15-De10571   | CP        | uS/cm | 540      | 550      | <1       | 30% | Pass              |             |                 |

| Duplicate           |             |    |      |          |          |     |     |      |
|---------------------|-------------|----|------|----------|----------|-----|-----|------|
| Heavy Metals        |             |    |      | Result 1 | Result 2 | RPD |     |      |
| Arsenic (filtered)  | S15-De10571 | CP | mg/L | 0.001    | 0.001    | 4.0 | 30% | Pass |
| Cadmium (filtered)  | S15-De10571 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Chromium (filtered) | S15-De10571 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Copper (filtered)   | S15-De10571 | CP | mg/L | 0.012    | 0.012    | 2.0 | 30% | Pass |
| Lead (filtered)     | S15-De10571 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Mercury (filtered)  | S15-De10571 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Nickel (filtered)   | S15-De10571 | CP | mg/L | 0.001    | 0.001    | 5.0 | 30% | Pass |
| Zinc (filtered)     | S15-De10571 | CP | mg/L | 0.006    | 0.006    | <1  | 30% | Pass |
| Duplicate           |             |    |      |          |          |     |     |      |
| Heavy Metals        |             |    |      | Result 1 | Result 2 | RPD |     |      |
| Arsenic (filtered)  | S15-De10575 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Cadmium (filtered)  | S15-De10575 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Chromium (filtered) | S15-De10575 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Copper (filtered)   | S15-De10575 | CP | mg/L | 0.006    | 0.006    | 2.0 | 30% | Pass |
| Lead (filtered)     | S15-De10575 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Mercury (filtered)  | S15-De10575 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Nickel (filtered)   | S15-De10575 | CP | mg/L | 0.005    | 0.006    | <1  | 30% | Pass |
| Zinc (filtered)     | S15-De10575 | CP | mg/L | 0.022    | 0.022    | <1  | 30% | Pass |

## Comments

### Sample Integrity

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

### Qualifier Codes/Comments

| Code | Description                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M11  | NATA accreditation does not cover the performance of this service.                                                                                                                                               |
| N07  | Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs |

## Authorised By

|                |                                |
|----------------|--------------------------------|
| Charl Du Preez | Analytical Services Manager    |
| Bob Symons     | Senior Analyst-Inorganic (NSW) |
| Ivan Taylor    | Senior Analyst-Metal (NSW)     |
| Ryan Hamilton  | Senior Analyst-Organic (NSW)   |



**Glenn Jackson**

### National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

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| Sample Detail                                   |              |               |                      |             | Conductivity (at 25°C) | pH | Total Dissolved Solids | Total Recoverable Hydrocarbons - 1999 NEPM Fractions | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 filtered | Total Recoverable Hydrocarbons - 2013 NEPM Fractions |
|-------------------------------------------------|--------------|---------------|----------------------|-------------|------------------------|----|------------------------|------------------------------------------------------|----------------------------------|------------------------|--------------------|------------------------------------------------------|
| Laboratory where analysis is conducted          |              |               |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| Sydney Laboratory - NATA Site # 18217           |              |               |                      |             | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |
| Brisbane Laboratory - NATA Site # 20794         |              |               |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| External Laboratory                             |              |               |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| BULK 1_0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10570 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |
| BULK 1_1.0-2.0                                  | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10571 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |
| BULK 2_0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10572 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |
| BULK 2_1.0-2.0                                  | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10573 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |
| BULK 3_0-1.0                                    | Dec 06, 2015 |               | ASLP - Reagent Water | S15-De10574 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |

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**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |  |                      |             | Conductivity (at 25°C) | pH | Total Dissolved Solids | Total Recoverable Hydrocarbons - 1999 NEPM Fractions | Polycyclic Aromatic Hydrocarbons | AUS Leaching Procedure | Metals M8 filtered | Total Recoverable Hydrocarbons - 2013 NEPM Fractions |
|-------------------------------------------------|--------------|--|----------------------|-------------|------------------------|----|------------------------|------------------------------------------------------|----------------------------------|------------------------|--------------------|------------------------------------------------------|
| Laboratory where analysis is conducted          |              |  |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| External Laboratory                             |              |  |                      |             |                        |    |                        |                                                      |                                  |                        |                    |                                                      |
| BULK 3_1.0-2.0                                  | Dec 06, 2015 |  | ASLP - Reagent Water | S15-De10575 | X                      | X  | X                      | X                                                    | X                                | X                      | X                  | X                                                    |

## Sample Receipt Advice

Company name: **JBS & G Australia (NSW & WA) P/L**  
Contact name: **Nathan Cussen**  
Project name: **ATP**  
Project ID: **50720**  
COC number: **09011**  
Turn around time: **7 Day**  
Date/Time received: **Dec 7, 2015 2:50 PM**  
Eurofins | mgt reference: **482927**

### Sample information

- ☒ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ☒ Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt Sample Receipt : 1.6 degrees Celsius.
- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ Attempt to chill was evident.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ☒ Appropriate sample containers have been used.
- ☒ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

### Contact notes

If you have any questions with respect to these samples please contact:

Charl Du Preez on Phone : +61 (2) 9900 8400 or by e.mail: charldupreez@eurofins.com.au

Results will be delivered electronically via e.mail to Nathan Cussen - ncussen@jbsg.com.au.

09011

## ASTM - Column Leach Test

## CHAIN OF CUSTODY



| PROJECT NO.: 50720                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                                                                             |      |                     |    | LABORATORY BATCH NO.: |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------|------|---------------------|----|-----------------------|--------|------|------|---------------------|----|-----------------------------------------|------|---------|--|------------|--|-----------------------------------------------------------|---|---|--|---|--|--------------|---|--|--|--|--|----------------|---|--|--|--|--|--------------|---|---|--|---|--|----------------|---|---|--|---|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------------|--|--------|----------------|---------|--|--|--------------------------------|--|--|----------------------------------------------|--|--|-----------------------------------------------------------------------------|--|--|------------------|
| PROJECT NAME: ATP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                                                                             |      |                     |    | SAMPLERS: R4 & 00     |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| DATE NEEDED BY: STD TAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                                                                             |      |                     |    | QC LEVEL: NEPM (2013) |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| PHONE: Sydney: 02 8245 0300   Perth: 08 9488 0100   Brisbane: 07 3112 2688                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                                                                             |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) <del>adminnsw</del> @jbsg.com.au; (3) @jbsg.com.au                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                                                                             |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                                                                             |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>MATRIX</th> <th>DATE</th> <th>TIME</th> <th>TYPE &amp; PRESERVATIVE</th> <th>pH</th> </tr> </thead> <tbody> <tr> <td>Bulk 1 0-1.0</td> <td>soil</td> <td>6.12.15</td> <td></td> <td>SKC sample</td> <td></td> </tr> <tr> <td>Bulk 1 1.0-2.0</td> <td>↓</td> <td>↓</td> <td></td> <td>↓</td> <td></td> </tr> <tr> <td>Bulk 2 0-1.0</td> <td>↓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bulk 2 1.0-2.0</td> <td>↓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bulk 3 0-1.0</td> <td>↓</td> <td>↓</td> <td></td> <td>↓</td> <td></td> </tr> <tr> <td>Bulk 3 1.0-2.0</td> <td>↓</td> <td>↓</td> <td></td> <td>↓</td> <td></td> </tr> </tbody> </table> |         |                                                                             |      |                     |    | SAMPLE ID             | MATRIX | DATE | TIME | TYPE & PRESERVATIVE | pH | Bulk 1 0-1.0                            | soil | 6.12.15 |  | SKC sample |  | Bulk 1 1.0-2.0                                            | ↓ | ↓ |  | ↓ |  | Bulk 2 0-1.0 | ↓ |  |  |  |  | Bulk 2 1.0-2.0 | ↓ |  |  |  |  | Bulk 3 0-1.0 | ↓ | ↓ |  | ↓ |  | Bulk 3 1.0-2.0 | ↓ | ↓ |  | ↓ |  | <table border="1"> <thead> <tr> <th colspan="2">TYPE OF ASBESTOS ANALYSIS</th> <th rowspan="2">NOTES:</th> </tr> <tr> <th>IDENTIFICATION</th> <th>NEPM/WA</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>* Please use lab reagent water</td> </tr> <tr> <td></td> <td></td> <td>* Collect samples @ 1, 2, 4 &amp; 8 pore volumes</td> </tr> <tr> <td></td> <td></td> <td>* please filter samples with 0.45um filter prior to preservation &amp; analysis</td> </tr> <tr> <td></td> <td></td> <td>* Low level PAHs</td> </tr> </tbody> </table> |  |  |  |  |  |  |  |  |  |  |  |  |  | TYPE OF ASBESTOS ANALYSIS |  | NOTES: | IDENTIFICATION | NEPM/WA |  |  | * Please use lab reagent water |  |  | * Collect samples @ 1, 2, 4 & 8 pore volumes |  |  | * please filter samples with 0.45um filter prior to preservation & analysis |  |  | * Low level PAHs |
| SAMPLE ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MATRIX  | DATE                                                                        | TIME | TYPE & PRESERVATIVE | pH |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| Bulk 1 0-1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | soil    | 6.12.15                                                                     |      | SKC sample          |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| Bulk 1 1.0-2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ↓       | ↓                                                                           |      | ↓                   |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| Bulk 2 0-1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ↓       |                                                                             |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| Bulk 2 1.0-2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ↓       |                                                                             |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| Bulk 3 0-1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ↓       | ↓                                                                           |      | ↓                   |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| Bulk 3 1.0-2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ↓       | ↓                                                                           |      | ↓                   |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| TYPE OF ASBESTOS ANALYSIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | NOTES:                                                                      |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| IDENTIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NEPM/WA |                                                                             |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         | * Please use lab reagent water                                              |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         | * Collect samples @ 1, 2, 4 & 8 pore volumes                                |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         | * please filter samples with 0.45um filter prior to preservation & analysis |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         | * Low level PAHs                                                            |      |                     |    |                       |        |      |      |                     |    |                                         |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| RELINQUISHED BY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                                                                             |      |                     |    | METHOD OF SHIPMENT:   |        |      |      |                     |    | RECEIVED BY:                            |      |         |  |            |  | FOR RECEIVING LAB USE ONLY:                               |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| NAME: Nathan DATE: 7.12.15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                                                                             |      |                     |    | CONSIGNMENT NOTE NO.  |        |      |      |                     |    | NAME: <del>Elennah</del> DATE: 14.12.15 |      |         |  |            |  | COOLER SEAL - Yes..... No ..... Intact ..... Broken ..... |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| OF: JBS&G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                                                                             |      |                     |    | TRANSPORT CO.         |        |      |      |                     |    | OF: 071215                              |      |         |  |            |  | COOLER TEMP ..... deg C                                   |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| NAME:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                                                                             |      |                     |    | CONSIGNMENT NOTE NO.  |        |      |      |                     |    | NAME:                                   |      |         |  |            |  | COOLER SEAL - Yes..... No ..... Intact ..... Broken ..... |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| DATE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                                                                             |      |                     |    |                       |        |      |      |                     |    | DATE:                                   |      |         |  |            |  |                                                           |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |
| OF:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                             |      |                     |    | TRANSPORT CO.         |        |      |      |                     |    | OF:                                     |      |         |  |            |  | COOLER TEMP ..... deg C                                   |   |   |  |   |  |              |   |  |  |  |  |                |   |  |  |  |  |              |   |   |  |   |  |                |   |   |  |   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |  |        |                |         |  |  |                                |  |  |                                              |  |  |                                                                             |  |  |                  |

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other.

IMSO FormsO13 - Chain of Custody - Generic

482027

485259

Sean

1/1

11:28

From: Richard Corner [mailto:RichardCorner@eurofins.com]

Sent: Monday, 11 January 2016 11:29 AM

To: EnviroSampleNSW

Cc: Charl DuPreez

Subject: FWD: Lab Batch 482927 - Reanalysis request

Hi Shaun,

We've had a request from JBS to perform some additional leachate analysis on samples from report 482927.

A little bit different to usual as we need to split each sample into 4 separate parts for analysis.

Eg. BULK 1\_0-1.0

Will get split into:

BULK 1\_0-1.0 – VoidVol 1

BULK 1\_0-1.0 – VoidVol 2

BULK 1\_0-1.0 – VoidVol 4

BULK 1\_0-1.0 – VoidVol 8

Do this for all 6 samples in the old report so we'll get 24 samples total in the new report.

Analysis for: M8 metals only

Thanks,

# Certificate of Analysis

**JBS & G Australia (NSW & WA) P/L**  
**Level 1, 50 Margaret St**  
**Sydney**  
**NSW 2000**



**NATA Accredited**  
**Accreditation Number 1261**  
**Site Number 1254**

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.

**Attention:** **Nathan Cussen**

**Report** **485259-L-V2**  
**Project name** **ADDITIONAL: ATP**  
**Project ID** **50720**  
**Received Date** **Jan 11, 2016**

| Client Sample ID                 |            |             | BULK 1 0-1.0<br>VOIDVOL 1       | BULK 1 0-1.0<br>VOIDVOL 2       | BULK 1 0-1.0<br>VOIDVOL 4       | BULK 1 0-1.0<br>VOIDVOL 8       |
|----------------------------------|------------|-------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <b>Sample Matrix</b>             |            |             | <b>ASLP -<br/>Reagent Water</b> | <b>ASLP -<br/>Reagent Water</b> | <b>ASLP -<br/>Reagent Water</b> | <b>ASLP -<br/>Reagent Water</b> |
| <b>Eurofins   mgt Sample No.</b> |            |             | <b>S16-Ja03336</b>              | <b>S16-Ja03337</b>              | <b>S16-Ja03338</b>              | <b>S16-Ja03339</b>              |
| <b>Date Sampled</b>              |            |             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             |
| <b>Test/Reference</b>            | <b>LOR</b> | <b>Unit</b> |                                 |                                 |                                 |                                 |
| <b>Heavy Metals</b>              |            |             |                                 |                                 |                                 |                                 |
| <b>Comments</b>                  |            |             | <b>M11</b>                      | <b>M11</b>                      | <b>M11</b>                      | <b>M11</b>                      |
| Arsenic                          | 0.001      | mg/L        | 0.004                           | 0.006                           | 0.007                           | 0.008                           |
| Cadmium                          | 0.0001     | mg/L        | < 0.0001                        | < 0.0001                        | < 0.0001                        | < 0.0001                        |
| Chromium                         | 0.001      | mg/L        | 0.003                           | < 0.001                         | < 0.001                         | < 0.001                         |
| Copper                           | 0.001      | mg/L        | 0.005                           | 0.005                           | 0.005                           | 0.004                           |
| Lead                             | 0.001      | mg/L        | < 0.001                         | 0.005                           | 0.006                           | 0.005                           |
| Mercury                          | 0.0001     | mg/L        | < 0.0001                        | < 0.0001                        | < 0.0001                        | < 0.0001                        |
| Nickel                           | 0.001      | mg/L        | < 0.001                         | < 0.001                         | < 0.001                         | < 0.001                         |
| Zinc                             | 0.001      | mg/L        | 0.002                           | 0.002                           | 0.002                           | 0.002                           |

| Client Sample ID                 |            |             | BULK 1 1.0-<br>2.0 VOIDVOL 1    | BULK 1 1.0-<br>2.0 VOIDVOL 2    | BULK 1 1.0-<br>2.0 VOIDVOL 4    | BULK 1 1.0-<br>2.0 VOIDVOL 8    |
|----------------------------------|------------|-------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <b>Sample Matrix</b>             |            |             | <b>ASLP -<br/>Reagent Water</b> | <b>ASLP -<br/>Reagent Water</b> | <b>ASLP -<br/>Reagent Water</b> | <b>ASLP -<br/>Reagent Water</b> |
| <b>Eurofins   mgt Sample No.</b> |            |             | <b>S16-Ja03340</b>              | <b>S16-Ja03341</b>              | <b>S16-Ja03342</b>              | <b>S16-Ja03343</b>              |
| <b>Date Sampled</b>              |            |             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             |
| <b>Test/Reference</b>            | <b>LOR</b> | <b>Unit</b> |                                 |                                 |                                 |                                 |
| <b>Heavy Metals</b>              |            |             |                                 |                                 |                                 |                                 |
| <b>Comments</b>                  |            |             | <b>M11</b>                      | <b>M11</b>                      | <b>M11</b>                      | <b>M11</b>                      |
| Arsenic                          | 0.001      | mg/L        | < 0.001                         | < 0.001                         | 0.001                           | 0.001                           |
| Cadmium                          | 0.0001     | mg/L        | < 0.0001                        | < 0.0001                        | < 0.0001                        | 0.0001                          |
| Chromium                         | 0.001      | mg/L        | < 0.001                         | < 0.001                         | < 0.001                         | < 0.001                         |
| Copper                           | 0.001      | mg/L        | 0.007                           | 0.005                           | 0.005                           | 0.005                           |
| Lead                             | 0.001      | mg/L        | < 0.001                         | < 0.001                         | < 0.001                         | < 0.001                         |
| Mercury                          | 0.0001     | mg/L        | < 0.0001                        | < 0.0001                        | < 0.0001                        | < 0.0001                        |
| Nickel                           | 0.001      | mg/L        | < 0.001                         | < 0.001                         | < 0.001                         | 0.001                           |
| Zinc                             | 0.001      | mg/L        | < 0.001                         | < 0.001                         | 0.007                           | 0.005                           |

|                                  |        |      |                               |                               |                               |                               |
|----------------------------------|--------|------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Client Sample ID</b>          |        |      | <b>BULK 2 0-1.0 VOIDVOL 1</b> | <b>BULK 2 0-1.0 VOIDVOL 2</b> | <b>BULK 2 0-1.0 VOIDVOL 4</b> | <b>BULK 2 0-1.0 VOIDVOL 8</b> |
| <b>Sample Matrix</b>             |        |      | <b>ASLP - Reagent Water</b>   | <b>ASLP - Reagent Water</b>   | <b>ASLP - Reagent Water</b>   | <b>ASLP - Reagent Water</b>   |
| <b>Eurofins   mgt Sample No.</b> |        |      | <b>S16-Ja03344</b>            | <b>S16-Ja03345</b>            | <b>S16-Ja03346</b>            | <b>S16-Ja03347</b>            |
| <b>Date Sampled</b>              |        |      | <b>Dec 06, 2015</b>           | <b>Dec 06, 2015</b>           | <b>Dec 06, 2015</b>           | <b>Dec 06, 2015</b>           |
| Test/Reference                   | LOR    | Unit |                               |                               |                               |                               |
| <b>Heavy Metals</b>              |        |      |                               |                               |                               |                               |
| Comments                         |        |      | M11                           | M11                           | M11                           | M11                           |
| Arsenic                          | 0.001  | mg/L | 0.004                         | 0.005                         | 0.006                         | 0.007                         |
| Cadmium                          | 0.0001 | mg/L | < 0.0001                      | < 0.0001                      | < 0.0001                      | < 0.0001                      |
| Chromium                         | 0.001  | mg/L | 0.004                         | 0.002                         | 0.001                         | < 0.001                       |
| Copper                           | 0.001  | mg/L | 0.020                         | 0.016                         | 0.015                         | 0.015                         |
| Lead                             | 0.001  | mg/L | < 0.001                       | < 0.001                       | 0.004                         | 0.006                         |
| Mercury                          | 0.0001 | mg/L | < 0.0001                      | < 0.0001                      | < 0.0001                      | < 0.0001                      |
| Nickel                           | 0.001  | mg/L | < 0.001                       | < 0.001                       | < 0.001                       | < 0.001                       |
| Zinc                             | 0.001  | mg/L | < 0.001                       | < 0.001                       | 0.001                         | 0.002                         |

|                                  |        |      |                                 |                                 |                                 |                                 |
|----------------------------------|--------|------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <b>Client Sample ID</b>          |        |      | <b>BULK 2 1.0-2.0 VOIDVOL 1</b> | <b>BULK 2 1.0-2.0 VOIDVOL 2</b> | <b>BULK 2 1.0-2.0 VOIDVOL 4</b> | <b>BULK 2 1.0-2.0 VOIDVOL 8</b> |
| <b>Sample Matrix</b>             |        |      | <b>ASLP - Reagent Water</b>     | <b>ASLP - Reagent Water</b>     | <b>ASLP - Reagent Water</b>     | <b>ASLP - Reagent Water</b>     |
| <b>Eurofins   mgt Sample No.</b> |        |      | <b>S16-Ja03348</b>              | <b>S16-Ja03349</b>              | <b>S16-Ja03350</b>              | <b>S16-Ja03351</b>              |
| <b>Date Sampled</b>              |        |      | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             |
| Test/Reference                   | LOR    | Unit |                                 |                                 |                                 |                                 |
| <b>Heavy Metals</b>              |        |      |                                 |                                 |                                 |                                 |
| Comments                         |        |      | M11                             | M11                             | M11                             | M11                             |
| Arsenic                          | 0.001  | mg/L | 0.002                           | 0.001                           | 0.001                           | 0.001                           |
| Cadmium                          | 0.0001 | mg/L | 0.0001                          | < 0.0001                        | < 0.0001                        | < 0.0001                        |
| Chromium                         | 0.001  | mg/L | < 0.001                         | < 0.001                         | < 0.001                         | < 0.001                         |
| Copper                           | 0.001  | mg/L | 0.016                           | 0.015                           | 0.012                           | 0.011                           |
| Lead                             | 0.001  | mg/L | 0.022                           | 0.017                           | 0.012                           | 0.011                           |
| Mercury                          | 0.0001 | mg/L | < 0.0001                        | < 0.0001                        | < 0.0001                        | < 0.0001                        |
| Nickel                           | 0.001  | mg/L | < 0.001                         | < 0.001                         | < 0.001                         | < 0.001                         |
| Zinc                             | 0.001  | mg/L | 0.007                           | 0.004                           | 0.001                           | 0.001                           |

|                                  |        |      |                               |                               |                               |                               |
|----------------------------------|--------|------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Client Sample ID</b>          |        |      | <b>BULK 3 0-1.0 VOIDVOL 1</b> | <b>BULK 3 0-1.0 VOIDVOL 2</b> | <b>BULK 3 0-1.0 VOIDVOL 4</b> | <b>BULK 3 0-1.0 VOIDVOL 8</b> |
| <b>Sample Matrix</b>             |        |      | <b>ASLP - Reagent Water</b>   | <b>ASLP - Reagent Water</b>   | <b>ASLP - Reagent Water</b>   | <b>ASLP - Reagent Water</b>   |
| <b>Eurofins   mgt Sample No.</b> |        |      | <b>S16-Ja03352</b>            | <b>S16-Ja03353</b>            | <b>S16-Ja03354</b>            | <b>S16-Ja03355</b>            |
| <b>Date Sampled</b>              |        |      | <b>Dec 06, 2015</b>           | <b>Dec 06, 2015</b>           | <b>Dec 06, 2015</b>           | <b>Dec 06, 2015</b>           |
| Test/Reference                   | LOR    | Unit |                               |                               |                               |                               |
| <b>Heavy Metals</b>              |        |      |                               |                               |                               |                               |
| Comments                         |        |      | M11                           | M11                           | M11                           | M11                           |
| Arsenic                          | 0.001  | mg/L | 0.002                         | 0.002                         | 0.002                         | 0.002                         |
| Cadmium                          | 0.0001 | mg/L | < 0.0001                      | < 0.0001                      | < 0.0001                      | < 0.0001                      |
| Chromium                         | 0.001  | mg/L | < 0.001                       | < 0.001                       | < 0.001                       | < 0.001                       |
| Copper                           | 0.001  | mg/L | 0.008                         | 0.007                         | 0.006                         | 0.006                         |
| Lead                             | 0.001  | mg/L | < 0.001                       | < 0.001                       | 0.002                         | 0.004                         |
| Mercury                          | 0.0001 | mg/L | < 0.0001                      | < 0.0001                      | < 0.0001                      | < 0.0001                      |
| Nickel                           | 0.001  | mg/L | < 0.001                       | < 0.001                       | < 0.001                       | < 0.001                       |
| Zinc                             | 0.001  | mg/L | < 0.001                       | < 0.001                       | < 0.001                       | 0.003                         |



|                                  |            |             |                                 |                                 |                                 |                                 |
|----------------------------------|------------|-------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <b>Client Sample ID</b>          |            |             | <b>BULK 3 1.0-2.0 VOIDVOL 1</b> | <b>BULK 3 1.0-2.0 VOIDVOL 2</b> | <b>BULK 3 1.0-2.0 VOIDVOL 4</b> | <b>BULK 3 1.0-2.0 VOIDVOL 8</b> |
| <b>Sample Matrix</b>             |            |             | <b>ASLP - Reagent Water</b>     | <b>ASLP - Reagent Water</b>     | <b>ASLP - Reagent Water</b>     | <b>ASLP - Reagent Water</b>     |
| <b>Eurofins   mgt Sample No.</b> |            |             | <b>S16-Ja03356</b>              | <b>S16-Ja03357</b>              | <b>S16-Ja03358</b>              | <b>S16-Ja03359</b>              |
| <b>Date Sampled</b>              |            |             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             | <b>Dec 06, 2015</b>             |
| <b>Test/Reference</b>            | <b>LOR</b> | <b>Unit</b> |                                 |                                 |                                 |                                 |
| <b>Heavy Metals</b>              |            |             |                                 |                                 |                                 |                                 |
| <b>Comments</b>                  |            |             | <b>M11</b>                      | <b>M11</b>                      | <b>M11</b>                      | <b>M11</b>                      |
| Arsenic                          | 0.001      | mg/L        | < 0.001                         | < 0.001                         | < 0.001                         | < 0.001                         |
| Cadmium                          | 0.0001     | mg/L        | 0.0001                          | < 0.0001                        | < 0.0001                        | < 0.0001                        |
| Chromium                         | 0.001      | mg/L        | 0.001                           | 0.002                           | < 0.001                         | < 0.001                         |
| Copper                           | 0.001      | mg/L        | 0.004                           | 0.004                           | 0.003                           | 0.003                           |
| Lead                             | 0.001      | mg/L        | < 0.001                         | < 0.001                         | < 0.001                         | < 0.001                         |
| Mercury                          | 0.0001     | mg/L        | < 0.0001                        | < 0.0001                        | < 0.0001                        | < 0.0001                        |
| Nickel                           | 0.001      | mg/L        | 0.003                           | 0.001                           | < 0.001                         | < 0.001                         |
| Zinc                             | 0.001      | mg/L        | 0.020                           | 0.008                           | 0.003                           | 0.001                           |

### Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

### Description

Metals M8

### Testing Site

Sydney

### Extracted

Jan 15, 2016

### Holding Time

28 Day

- Method: LTM-MET-3040\_R0 TOTAL AND DISSOLVED METALS AND MERCURY IN WATERS BY ICP-MS

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ADDITIONAL: ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 485259  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Jan 11, 2016 11:28 AM  
**Due:** Jan 25, 2016  
**Priority:** 10 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

| Sample Detail                                   |              |               |                      |             | Metals M8 |
|-------------------------------------------------|--------------|---------------|----------------------|-------------|-----------|
|                                                 |              |               |                      |             |           |
|                                                 |              |               |                      |             |           |
|                                                 |              |               |                      |             |           |
|                                                 |              |               |                      |             |           |
| Laboratory where analysis is conducted          |              |               |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |               |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |               |                      |             |           |
| External Laboratory                             |              |               |                      |             |           |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |           |
| BULK 1_0-1.0 VOIDVÖL 1                          | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03336 | X         |
| BULK 1_0-1.0 VOIDVÖL 2                          | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03337 | X         |
| BULK 1_0-1.0 VOIDVÖL 4                          | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03338 | X         |
| BULK 1_0-1.0 VOIDVÖL 8                          | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03339 | X         |
| BULK 1_1.0-2.0 VOIDVÖL 1                        | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03340 | X         |

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|                                                 |              |  |                      |             |           |
|-------------------------------------------------|--------------|--|----------------------|-------------|-----------|
| Sample Detail                                   |              |  |                      |             | Metals M8 |
|                                                 |              |  |                      |             |           |
| Laboratory where analysis is conducted          |              |  |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |           |
| External Laboratory                             |              |  |                      |             |           |
| BULK 1 1.0-2.0 VOIDVOL 2                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03341 | X         |
| BULK 1 1.0-2.0 VOIDVOL 4                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03342 | X         |
| BULK 1 1.0-2.0 VOIDVOL 8                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03343 | X         |
| BULK 2 0-1.0 VOIDVOL 1                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03344 | X         |
| BULK 2 0-1.0 VOIDVOL 2                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03345 | X         |
| BULK 2 0-1.0 VOIDVOL 4                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03346 | X         |

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|-------------------------------------------------|--------------|--|----------------------|-------------|-----------|
| Sample Detail                                   |              |  |                      |             | Metals M8 |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
| Laboratory where analysis is conducted          |              |  |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |           |
| External Laboratory                             |              |  |                      |             |           |
| BULK 2_0-1.0 VOIDVOL 8                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03347 | X         |
| BULK 2_1.0-2.0 VOIDVOL 1                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03348 | X         |
| BULK 2_1.0-2.0 VOIDVOL 2                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03349 | X         |
| BULK 2_1.0-2.0 VOIDVOL 4                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03350 | X         |
| BULK 2_1.0-2.0 VOIDVOL 8                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03351 | X         |
| BULK 3_0-1.0 VOIDVOL 1                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03352 | X         |

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|                                                 |              |  |                      |             |           |
|-------------------------------------------------|--------------|--|----------------------|-------------|-----------|
| Sample Detail                                   |              |  |                      |             | Metals M8 |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
| Laboratory where analysis is conducted          |              |  |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |           |
| External Laboratory                             |              |  |                      |             |           |
| BULK 3_0-1.0 VOIDVOL 2                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03353 | X         |
| BULK 3_0-1.0 VOIDVOL 4                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03354 | X         |
| BULK 3_0-1.0 VOIDVOL 8                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03355 | X         |
| BULK 3_1.0-2.0 VOIDVOL 1                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03356 | X         |
| BULK 3_1.0-2.0 VOIDVOL 2                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03357 | X         |
| BULK 3_1.0-2.0 VOIDVOL 4                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03358 | X         |

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|-------------------------------------------------|--------------|--|----------------------|-------------|-----------|
| Sample Detail                                   |              |  |                      |             | Metals M8 |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
| Laboratory where analysis is conducted          |              |  |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |           |
| External Laboratory                             |              |  |                      |             |           |
| BULK 3 1.0-2.0 VOIDVOL 8                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03359 | X         |



## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

**\*\*NOTE:** pH duplicates are reported as a range NOT as RPD

### Units

**mg/kg:** milligrams per Kilogram

**mg/l:** milligrams per litre

**ug/l:** micrograms per litre

**ppm:** Parts per million

**ppb:** Parts per billion

**%:** Percentage

**org/100ml:** Organisms per 100 millilitres

**NTU:** Nephelometric Turbidity Units

**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

### Terms

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                    |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                               |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                        |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                             |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery                                                                                                          |
| <b>CRM</b>              | Certified Reference Material - reported as percent recovery                                                                                                       |
| <b>Method Blank</b>     | In the case of solid samples these are performed on laboratory certified clean sands.<br>In the case of water samples these are performed on de-ionised water.    |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                        |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                  |
| <b>Batch Duplicate</b>  | A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>Batch SPIKE</b>      | Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>USEPA</b>            | United States Environmental Protection Agency                                                                                                                     |
| <b>APHA</b>             | American Public Health Association                                                                                                                                |
| <b>ASLP</b>             | Australian Standard Leaching Procedure (AS4439.3)                                                                                                                 |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                        |
| <b>COC</b>              | Chain of Custody                                                                                                                                                  |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                             |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                             |
| <b>NCP</b>              | Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within |
| <b>TEQ</b>              | Toxic Equivalency Quotient                                                                                                                                        |

### QC - Acceptance Criteria

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

Results <10 times the LOR : No Limit

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

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

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

### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                      |               |           |      | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
|---------------------------|---------------|-----------|------|-------|----------|----------|-----|-------------------|-------------|-----------------|
| <b>Method Blank</b>       |               |           |      |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>       |               |           |      |       |          |          |     |                   |             |                 |
| Arsenic                   |               |           |      | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Cadmium                   |               |           |      | mg/L  | < 0.0001 |          |     | 0.0001            | Pass        |                 |
| Chromium                  |               |           |      | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Copper                    |               |           |      | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Lead                      |               |           |      | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Mercury                   |               |           |      | mg/L  | < 0.0001 |          |     | 0.0001            | Pass        |                 |
| Nickel                    |               |           |      | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Zinc                      |               |           |      | mg/L  | < 0.001  |          |     | 0.001             | Pass        |                 |
| Test                      | Lab Sample ID | QA Source |      | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Spike - % Recovery</b> |               |           |      |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>       |               |           |      |       | Result 1 |          |     |                   |             |                 |
| Arsenic                   | S16-Ja03337   | CP        | %    |       | 100      |          |     | 70-130            | Pass        |                 |
| Cadmium                   | S16-Ja03337   | CP        | %    |       | 99       |          |     | 70-130            | Pass        |                 |
| Chromium                  | S16-Ja03337   | CP        | %    |       | 98       |          |     | 70-130            | Pass        |                 |
| Copper                    | S16-Ja03337   | CP        | %    |       | 98       |          |     | 70-130            | Pass        |                 |
| Lead                      | S16-Ja03337   | CP        | %    |       | 97       |          |     | 70-130            | Pass        |                 |
| Mercury                   | S16-Ja03337   | CP        | %    |       | 98       |          |     | 70-130            | Pass        |                 |
| Nickel                    | S16-Ja03337   | CP        | %    |       | 96       |          |     | 70-130            | Pass        |                 |
| Zinc                      | S16-Ja03337   | CP        | %    |       | 100      |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b> |               |           |      |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>       |               |           |      |       | Result 1 |          |     |                   |             |                 |
| Arsenic                   | S16-Ja03347   | CP        | %    |       | 104      |          |     | 70-130            | Pass        |                 |
| Cadmium                   | S16-Ja03347   | CP        | %    |       | 106      |          |     | 70-130            | Pass        |                 |
| Chromium                  | S16-Ja03347   | CP        | %    |       | 103      |          |     | 70-130            | Pass        |                 |
| Copper                    | S16-Ja03347   | CP        | %    |       | 104      |          |     | 70-130            | Pass        |                 |
| Lead                      | S16-Ja03347   | CP        | %    |       | 104      |          |     | 70-130            | Pass        |                 |
| Mercury                   | S16-Ja03347   | CP        | %    |       | 101      |          |     | 70-130            | Pass        |                 |
| Nickel                    | S16-Ja03347   | CP        | %    |       | 104      |          |     | 70-130            | Pass        |                 |
| Zinc                      | S16-Ja03347   | CP        | %    |       | 107      |          |     | 70-130            | Pass        |                 |
| <b>Spike - % Recovery</b> |               |           |      |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>       |               |           |      |       | Result 1 |          |     |                   |             |                 |
| Arsenic                   | S16-Ja03355   | CP        | %    |       | 95       |          |     | 70-130            | Pass        |                 |
| Cadmium                   | S16-Ja03355   | CP        | %    |       | 95       |          |     | 70-130            | Pass        |                 |
| Chromium                  | S16-Ja03355   | CP        | %    |       | 93       |          |     | 70-130            | Pass        |                 |
| Copper                    | S16-Ja03355   | CP        | %    |       | 94       |          |     | 70-130            | Pass        |                 |
| Lead                      | S16-Ja03355   | CP        | %    |       | 97       |          |     | 70-130            | Pass        |                 |
| Mercury                   | S16-Ja03355   | CP        | %    |       | 95       |          |     | 70-130            | Pass        |                 |
| Nickel                    | S16-Ja03355   | CP        | %    |       | 93       |          |     | 70-130            | Pass        |                 |
| Zinc                      | S16-Ja03355   | CP        | %    |       | 95       |          |     | 70-130            | Pass        |                 |
| Test                      | Lab Sample ID | QA Source |      | Units | Result 1 |          |     | Acceptance Limits | Pass Limits | Qualifying Code |
| <b>Duplicate</b>          |               |           |      |       |          |          |     |                   |             |                 |
| <b>Heavy Metals</b>       |               |           |      |       | Result 1 | Result 2 | RPD |                   |             |                 |
| Arsenic                   | S16-Ja03336   | CP        | mg/L |       | 0.004    | 0.004    | 2.0 | 30%               | Pass        |                 |
| Cadmium                   | S16-Ja03336   | CP        | mg/L |       | < 0.0001 | < 0.0001 | <1  | 30%               | Pass        |                 |
| Chromium                  | S16-Ja03336   | CP        | mg/L |       | 0.003    | 0.003    | 3.0 | 30%               | Pass        |                 |
| Copper                    | S16-Ja03336   | CP        | mg/L |       | 0.005    | 0.005    | 2.0 | 30%               | Pass        |                 |
| Lead                      | S16-Ja03336   | CP        | mg/L |       | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Mercury                   | S16-Ja03336   | CP        | mg/L |       | < 0.0001 | < 0.0001 | <1  | 30%               | Pass        |                 |
| Nickel                    | S16-Ja03336   | CP        | mg/L |       | < 0.001  | < 0.001  | <1  | 30%               | Pass        |                 |
| Zinc                      | S16-Ja03336   | CP        | mg/L |       | 0.002    | 0.002    | <1  | 30%               | Pass        |                 |

| Duplicate    |             |    |      |          |          |     |     |      |
|--------------|-------------|----|------|----------|----------|-----|-----|------|
| Heavy Metals |             |    |      | Result 1 | Result 2 | RPD |     |      |
| Arsenic      | S16-Ja03346 | CP | mg/L | 0.006    | 0.006    | 2.0 | 30% | Pass |
| Cadmium      | S16-Ja03346 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Chromium     | S16-Ja03346 | CP | mg/L | 0.001    | 0.001    | 4.0 | 30% | Pass |
| Copper       | S16-Ja03346 | CP | mg/L | 0.015    | 0.016    | 6.0 | 30% | Pass |
| Lead         | S16-Ja03346 | CP | mg/L | 0.004    | 0.005    | 24  | 30% | Pass |
| Mercury      | S16-Ja03346 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Nickel       | S16-Ja03346 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Zinc         | S16-Ja03346 | CP | mg/L | 0.001    | 0.001    | 13  | 30% | Pass |
| Duplicate    |             |    |      |          |          |     |     |      |
| Heavy Metals |             |    |      | Result 1 | Result 2 | RPD |     |      |
| Arsenic      | S16-Ja03354 | CP | mg/L | 0.002    | 0.002    | 5.0 | 30% | Pass |
| Cadmium      | S16-Ja03354 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Chromium     | S16-Ja03354 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Copper       | S16-Ja03354 | CP | mg/L | 0.006    | 0.006    | 3.0 | 30% | Pass |
| Lead         | S16-Ja03354 | CP | mg/L | 0.002    | 0.003    | 28  | 30% | Pass |
| Mercury      | S16-Ja03354 | CP | mg/L | < 0.0001 | < 0.0001 | <1  | 30% | Pass |
| Nickel       | S16-Ja03354 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |
| Zinc         | S16-Ja03354 | CP | mg/L | < 0.001  | < 0.001  | <1  | 30% | Pass |

## Comments

Report revised to reflect lower LORs.

## Sample Integrity

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

## Qualifier Codes/Comments

| Code | Description                                                        |
|------|--------------------------------------------------------------------|
| M11  | NATA accreditation does not cover the performance of this service. |

## Authorised By

|                |                             |
|----------------|-----------------------------|
| Charl Du Preez | Analytical Services Manager |
| Ivan Taylor    | Senior Analyst-Metal (NSW)  |



**Glenn Jackson**

**National Operations Manager**

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

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**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ADDITIONAL: ATP  
**Project ID:** 50720

**Order No.:**  
**Report #:** 485259  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** Jan 11, 2016 11:28 AM  
**Due:** Jan 25, 2016  
**Priority:** 10 Day  
**Contact Name:** Nathan Cussen

**Eurofins | mgt Client Manager: Charl Du Preez**

| Sample Detail                                   |              |               |                      |             | Metals M8 |
|-------------------------------------------------|--------------|---------------|----------------------|-------------|-----------|
|                                                 |              |               |                      |             |           |
|                                                 |              |               |                      |             |           |
|                                                 |              |               |                      |             |           |
|                                                 |              |               |                      |             |           |
| Laboratory where analysis is conducted          |              |               |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |               |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |               |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |               |                      |             |           |
| External Laboratory                             |              |               |                      |             |           |
| Sample ID                                       | Sample Date  | Sampling Time | Matrix               | LAB ID      |           |
| BULK 1_0-1.0 VOIDVÖL 1                          | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03336 | X         |
| BULK 1_0-1.0 VOIDVÖL 2                          | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03337 | X         |
| BULK 1_0-1.0 VOIDVÖL 4                          | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03338 | X         |
| BULK 1_0-1.0 VOIDVÖL 8                          | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03339 | X         |
| BULK 1_1.0-2.0 VOIDVÖL 1                        | Dec 06, 2015 |               | ASLP - Reagent Water | S16-Ja03340 | X         |

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|                                                 |              |  |                      |             |           |
|-------------------------------------------------|--------------|--|----------------------|-------------|-----------|
| Sample Detail                                   |              |  |                      |             | Metals M8 |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
| Laboratory where analysis is conducted          |              |  |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |           |
| External Laboratory                             |              |  |                      |             |           |
| BULK 1 1.0-2.0 VOIDVOL 2                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03341 | X         |
| BULK 1 1.0-2.0 VOIDVOL 4                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03342 | X         |
| BULK 1 1.0-2.0 VOIDVOL 8                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03343 | X         |
| BULK 2 0-1.0 VOIDVOL 1                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03344 | X         |
| BULK 2 0-1.0 VOIDVOL 2                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03345 | X         |
| BULK 2 0-1.0 VOIDVOL 4                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03346 | X         |

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|                                                 |              |  |                      |             |           |
|-------------------------------------------------|--------------|--|----------------------|-------------|-----------|
| Sample Detail                                   |              |  |                      |             | Metals M8 |
|                                                 |              |  |                      |             |           |
| Laboratory where analysis is conducted          |              |  |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |           |
| External Laboratory                             |              |  |                      |             |           |
| BULK 2_0-1.0 VOIDVOL 8                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03347 | X         |
| BULK 2_1.0-2.0 VOIDVOL 1                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03348 | X         |
| BULK 2_1.0-2.0 VOIDVOL 2                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03349 | X         |
| BULK 2_1.0-2.0 VOIDVOL 4                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03350 | X         |
| BULK 2_1.0-2.0 VOIDVOL 8                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03351 | X         |
| BULK 3_0-1.0 VOIDVOL 1                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03352 | X         |



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**Received:** Jan 11, 2016 11:28 AM  
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**Priority:** 10 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Client Manager: Charl Du Preez

|                                                 |              |  |                      |             |           |
|-------------------------------------------------|--------------|--|----------------------|-------------|-----------|
| Sample Detail                                   |              |  |                      |             | Metals M8 |
| Laboratory where analysis is conducted          |              |  |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |           |
| External Laboratory                             |              |  |                      |             |           |
| BULK 3_0-1.0 VOIDVOL 2                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03353 | X         |
| BULK 3_0-1.0 VOIDVOL 4                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03354 | X         |
| BULK 3_0-1.0 VOIDVOL 8                          | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03355 | X         |
| BULK 3_1.0-2.0 VOIDVOL 1                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03356 | X         |
| BULK 3_1.0-2.0 VOIDVOL 2                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03357 | X         |
| BULK 3_1.0-2.0 VOIDVOL 4                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03358 | X         |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
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**Order No.:**  
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**Received:** Jan 11, 2016 11:28 AM  
**Due:** Jan 25, 2016  
**Priority:** 10 Day  
**Contact Name:** Nathan Cussen

**Eurofins | mgt Client Manager: Charl Du Preez**

|                                                 |              |  |                      |             |           |
|-------------------------------------------------|--------------|--|----------------------|-------------|-----------|
| Sample Detail                                   |              |  |                      |             | Metals M8 |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
|                                                 |              |  |                      |             |           |
| Laboratory where analysis is conducted          |              |  |                      |             |           |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |                      |             |           |
| Sydney Laboratory - NATA Site # 18217           |              |  |                      |             | X         |
| Brisbane Laboratory - NATA Site # 20794         |              |  |                      |             |           |
| External Laboratory                             |              |  |                      |             |           |
| BULK 3 1.0-2.0 VOIDVOL 8                        | Dec 06, 2015 |  | ASLP - Reagent Water | S16-Ja03359 | X         |

## Sample Receipt Advice

Company name: **JBS & G Australia (NSW & WA) P/L**  
Contact name: **Nathan Cussen**  
Project name: **ADDITIONAL: ATP**  
Project ID: **50720**  
COC number: **Not provided**  
Turn around time: **10 Day**  
Date/Time received: **Jan 11, 2016 11:28 AM**  
Eurofins | mgt reference: **485259**

### Sample information

- ☒ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ☒ Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt Sample Receipt : 1.6 degrees Celsius.
- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ Attempt to chill was evident.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ☒ Appropriate sample containers have been used.
- ☒ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

### Notes

Additional from 482927

### Contact notes

If you have any questions with respect to these samples please contact:

Charl Du Preez on Phone : +61 (2) 9900 8400 or by e.mail: charldupreez@eurofins.com.au

Results will be delivered electronically via e.mail to Nathan Cussen - ncussen@jbsg.com.au.

## **Attachment 6 – Analytical Summary Tables**

Table D: Soil Analytical Results  
Project Number: 51142  
Project Name: Fill Assessment - Lot 12

[illegible]



Table D: Soil Analytical Results  
Project Number: 51142  
Project Name: Fill Assessment - Lot 12

[illegible]

**Env Side Comments**

- #1 ES1s are of moderate reliability.
- #2 ES1s are of moderate reliability. To contain f1 subtract the sum of BTEX from C6-C10.
- #3 ES1s are of low reliability.
- NA-Management limits of BTEX and naphthalene are not available, hence should not be subtracted from the relevant f1.
- #5 Limits applied from concentration of relevant f1s and HSLs
- #6 Key limitations of HSL should be referred to prior to application in Friebel and Nadebaum (2013a and 2011a).
- #7-V7 applied from Chromium (VI)
- #8 Assumptions of HSLs are presented in Friebel and Nadebaum (2013a and 2011a).
- #9 Refer to HSL and soil saturation concentration
- #10 V7 may be multiplied by a factor to account for biodegradation of vapour
- #11 H1L relates to non-down-hole PCBs: only if PCB source is suspected a site-specific assessment should be undertaken
- #12-to obtain f1 subtract the sum of BTEX from C6-C10
- #13-to obtain f2 subtract Naphthalene from C6-C10
- #13-to obtain f2 subtract Naphthalene from C6-C10

Data Comments







| <div></div> | Organochlorine Pesticides                                 |                                  |                   |       |         |       |           |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              | Ionic Balance |                          | SPOCAS            |          |          |          |        |                   | Asbestos            |                     |          |                      |  |  |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------|-------------------|-------|---------|-------|-----------|----------------------------|----------|-----------|-----------------|-----------|-----------------|------------------|-----------------|---------------------|--------|-----------------|---------------|-----------|-------------------|---------|--------------|---------------|--------------------------|-------------------|----------|----------|----------|--------|-------------------|---------------------|---------------------|----------|----------------------|--|--|
|                                                                                              | Aldrin                                                    | Aldrin + Dieldrin (Sum of Total) | Dieldrin          | DDD   | 4,4-DDE | DDT   | alpha-BHC | DDT+DDE+DDD (Sum of Total) | beta-BHC | delta-BHC | alpha-Chlordane | Chlordane | gamma-Chlordane | Endosulfan alpha | Endosulfan beta | Endosulfan sulphate | Endrin | Endrin aldehyde | Endrin ketone | Hepachlor | Hepachlor Epoxide | Lindane | Methoxychlor | Toxaphene     | Cation Exchange Capacity | pH 1:5 soil:water | pH-KCL   | pH-OX    | TSS      | SPOCAS | Analysed Material | Extraneous Material | Approx. Sample Mass | Mass ACM | Total Organic Carbon |  |  |
|                                                                                              | mg/kg                                                     | mg/kg                            | mg/kg             | mg/kg | mg/kg   | mg/kg | mg/kg     | mg/kg                      | mg/kg    | mg/kg     | mg/kg           | mg/kg     | mg/kg           | mg/kg            | mg/kg           | mg/kg               | mg/kg  | mg/kg           | mg/kg         | mg/kg     | mg/kg             | mg/kg   | mg/kg        | mg/kg         | meq/100g                 | ph Units          | ph Units | ph Units | MOL H+/T | %S     | %                 | %                   | g                   | g        | mg/kg                |  |  |
|                                                                                              | EOL                                                       | 0.05                             |                   | 0.05  | 0.05    | 0.05  | 0.05      | 0.05                       |          | 0.05      | 0.05            |           | 0.10            |                  | 0.05            | 0.05                | 0.05   | 0.05            | 0.05          | 0.05      | 0.05              | 0.05    | 0.05         | 0.10          | 1.00                     | 0.05              | 0.10     | 0.10     | 0.10     | 2.00   | 0.02              | 0.10                | 0.10                |          |                      |  |  |
|                                                                                              | NEPC 2013 EIL, EILs Aged Sediment                         |                                  |                   |       |         |       | 640       |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              |               |                          |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |
|                                                                                              | NEPM 2013 ESL Commercial and Industrial, Coarse Soil      |                                  |                   |       |         |       |           |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              |               |                          |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |
|                                                                                              | NEPM 2013 Mgmt Limits - Commercial and Industrial, Coarse |                                  |                   |       |         |       |           |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              |               |                          |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |
|                                                                                              | NEPM 2013 Soil HIL D                                      |                                  | 45                |       |         |       |           |                            | 3600     |           |                 |           | 530             |                  |                 |                     |        | 100             |               |           | 50                |         |              | 2500          | 160                      |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |
|                                                                                              | NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 0 to <1m |                                  |                   |       |         |       |           |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              |               |                          |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |
|                                                                                              | NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 1 to <2m |                                  |                   |       |         |       |           |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              |               |                          |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 2 to <4m                                    |                                                           |                                  |                   |       |         |       |           |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              |               |                          |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 4m+                                         |                                                           |                                  |                   |       |         |       |           |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              |               |                          |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |
| Field ID                                                                                     | Date                                                      | Matrix                           | Lab_Report_Number |       |         |       |           |                            |          |           |                 |           |                 |                  |                 |                     |        |                 |               |           |                   |         |              |               |                          |                   |          |          |          |        |                   |                     |                     |          |                      |  |  |

#1 ESDAT Combined. Some Analytes are missing from this Combined Compound.  
#2 ESDAT Combined with Non-Detect Multiplier of 0.5.  
#3 No respirable fibres detected  
#4 Organic fibres detected.  
#5 ESDAT Combined.  
#6 NIL (+)VE  
#7 Nil

Table E: ASLP and Column Leach Analysis  
Project Number: 51142  
Project Name: Lot 12 Fill Assessment

| <div></div> |           |         |                           | Metals & Metalloids |         |                  |        |        |                     |        |        | TPHs (NEPC 1999) |                  |                  |                          | TRHs (NEPC 2013)  |                   |                   | Polycyclic Aromatic Hydrocarbons |                |            |                   |                |                      |                    |                      |          |                       |              |          |                         |             |              |        |              | Other                  |        |       |   |
|----------------------------------------------------------------------------------------------|-----------|---------|---------------------------|---------------------|---------|------------------|--------|--------|---------------------|--------|--------|------------------|------------------|------------------|--------------------------|-------------------|-------------------|-------------------|----------------------------------|----------------|------------|-------------------|----------------|----------------------|--------------------|----------------------|----------|-----------------------|--------------|----------|-------------------------|-------------|--------------|--------|--------------|------------------------|--------|-------|---|
|                                                                                              |           |         |                           | Arsenic (Total)     | Cadmium | Chromium (Total) | Copper | Lead   | Mercury (Inorganic) | Nickel | Zinc   | C10-C14 Fraction | C15-C28 Fraction | C29-C36 Fraction | C10-C36 Fraction (Total) | >C10-C16 Fraction | >C16-C34 Fraction | >C34-C40 Fraction | Acenaphthene                     | Acenaphthylene | Anthracene | Benz[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[e,h]perylene | Benzo[k]fluoranthene | Chrysene | Dibenz[a,h]anthracene | Fluoranthene | Fluorene | Indeno[1,2,3-c,d]pyrene | Naphthalene | Phenanthrene | Pyrene | PAHs (Total) | Total Dissolved Solids |        |       |   |
|                                                                                              |           |         |                           | 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                    | mg/L        | mg/L         | mg/L   | mg/L         | mg/L                   | mg/L   |       |   |
| EQL                                                                                          |           |         |                           | 0.0010              | 0.0001  | 0.0010           | 0.0010 | 0.0010 | 0.0001              | 0.0010 | 0.0010 | 0.05             | 0.10             | 0.10             | 0.10                     | 0.05              | 0.10              | 0.10              | 0.001                            | 0.001          | 0.001      | 0.001             | 0.001          | 0.001                | 0.001              | 0.001                | 0.001    | 0.001                 | 0.001        | 0.001    | 0.001                   | 0.001       | 0.001        | 0.001  | 0.002        | 5.00                   |        |       |   |
|                                                                                              |           |         |                           |                     |         |                  |        |        |                     |        |        |                  |                  |                  |                          |                   |                   |                   |                                  |                |            |                   |                |                      |                    |                      |          |                       |              |          |                         |             |              |        |              |                        |        |       |   |
| Field_ID                                                                                     | Date      | Depth   | Accumulative Pore Volumes |                     |         |                  |        |        |                     |        |        |                  |                  |                  |                          |                   |                   |                   |                                  |                |            |                   |                |                      |                    |                      |          |                       |              |          |                         |             |              |        |              |                        |        |       |   |
| ASLP                                                                                         |           |         |                           |                     |         |                  |        |        |                     |        |        |                  |                  |                  |                          |                   |                   |                   |                                  |                |            |                   |                |                      |                    |                      |          |                       |              |          |                         |             |              |        |              |                        |        |       |   |
| BH01 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | 0.003               | <0.0001 | <0.001           | 0.004  | 0.002  | <0.0001             | <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      | <0.001       | 0.001  | <0.001       | <0.001                 | 0.001  | -     |   |
| BH01 1.0-2.0                                                                                 | 06-Dec-15 | 1.0-2.0 | N/A                       | 0.006               | <0.0001 | <0.001           | 0.004  | 0.001  | <0.0001             | <0.001 | <0.001 | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH01 1.0-2.0                                                                                 | 06-Dec-15 | 1.0-2.0 | N/A                       | -                   | -       | -                | -      | -      | -                   | -      | -      | <0.05            | <0.1             | <0.1             | <0.1                     | <0.05             | <0.1              | <0.1              | -                                | -              | -          | -                 | -              | -                    | -                  | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -            | -                      | -      |       |   |
| BH02 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | 0.002               | <0.0001 | 0.001            | 0.005  | 0.001  | 0.0001              | <0.001 | <0.001 | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | 0.002        | <0.001 | <0.001       | 0.002                  | -      |       |   |
| BH03 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | <0.001              | <0.0001 | 0.002            | 0.002  | 0.002  | 0.0001              | <0.001 | 0.003  | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH03 1.0-2.0                                                                                 | 06-Dec-15 | 1.0-2.0 | N/A                       | 0.004               | <0.0001 | <0.001           | 0.005  | <0.001 | 0.0001              | <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      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH03 1.0-2.0                                                                                 | 06-Dec-15 | 1.0-2.0 | N/A                       | -                   | -       | -                | -      | -      | -                   | -      | -      | <0.05            | 0.9              | <0.1             | 0.9                      | <0.05             | 0.9               | <0.1              | -                                | -              | -          | -                 | -              | -                    | -                  | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -            | -                      | -      |       |   |
| BH04 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | 0.002               | <0.0001 | <0.001           | 0.002  | 0.029  | <0.0001             | <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      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH04 1.0-2.0                                                                                 | 06-Dec-15 | 1.0-2.0 | N/A                       | 0.004               | <0.0001 | 0.008            | 0.002  | 0.006  | 0.0001              | 0.001  | 0.004  | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | 0.001  | <0.001       | <0.001                 | 0.001  | -     |   |
| BH05 0.0-0.1                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | 0.003               | <0.0001 | <0.001           | 0.004  | 0.002  | <0.0001             | <0.001 | <0.001 | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH05 1.0-2.0                                                                                 | 06-Dec-15 | 1.0-2.0 | N/A                       | 0.002               | <0.0001 | <0.001           | 0.003  | <0.001 | <0.0001             | <0.001 | <0.001 | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH06 0.0-0.5                                                                                 | 06-Dec-15 | 0.0-0.5 | N/A                       | 0.098               | <0.0001 | <0.001           | 0.005  | <0.001 | <0.0001             | <0.001 | <0.001 | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH07 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | 0.002               | <0.0001 | 0.001            | 0.005  | <0.001 | <0.0001             | <0.001 | <0.001 | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH08 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | 0.006               | <0.0001 | <0.001           | 0.038  | 0.025  | <0.0001             | <0.001 | 0.016  | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH08 1.0-2.0                                                                                 | 06-Dec-15 | 1.0-2.0 | N/A                       | 0.004               | <0.0001 | <0.001           | 0.024  | 0.013  | <0.0001             | <0.001 | 0.006  | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | 0.001        | 0.001  | <0.001       | 0.002                  | -      |       |   |
| BH09 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | 0.002               | <0.0001 | <0.001           | 0.008  | 0.012  | <0.0001             | <0.001 | <0.001 | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH09 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | -                   | -       | -                | -      | -      | -                   | -      | -      | <0.05            | <0.1             | <0.1             | <0.1                     | <0.05             | <0.1              | <0.1              | -                                | -              | -          | -                 | -              | -                    | -                  | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -            | -                      | -      |       |   |
| BH09 1.0-2.0                                                                                 | 06-Dec-15 | 1.0-2.0 | N/A                       | 0.002               | <0.0001 | <0.001           | 0.008  | 0.024  | <0.0001             | <0.001 | 0.001  | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH09 2.0-3.0                                                                                 | 06-Dec-15 | 2.0-3.0 | N/A                       | <0.001              | <0.0001 | <0.001           | 0.005  | 0.011  | <0.0001             | <0.001 | 0.003  | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH10 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | 0.001               | <0.0001 | <0.001           | 0.003  | 0.002  | <0.0001             | <0.001 | <0.001 | -                | -                | -                | -                        | -                 | -                 | <0.001            | <0.001                           | <0.001         | <0.001     | <0.001            | <0.001         | <0.001               | <0.001             | <0.001               | <0.001   | <0.001                | <0.001       | <0.001   | <0.001                  | <0.001      | <0.001       | <0.001 | <0.001       | <0.001                 | <0.001 | -     |   |
| BH10 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | -                   | -       | -                | -      | -      | -                   | -      | -      | <0.05            | <0.1             | <0.1             | <0.1                     | <0.05             | <0.1              | <0.1              | -                                | -              | -          | -                 | -              | -                    | -                  | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -            | -                      | -      |       |   |
| BH12 0.0-1.0                                                                                 | 06-Dec-15 | 0.0-1.0 | N/A                       | <0.001              | <0.0001 | <0.001           | 0.018  | 0.017  | <0.0001             | <0.001 | 0.002  | -                | -                | -                | -                        | -                 | -                 | 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      | 0.002        | <0.001 | 0.007        | 0.004                  | <0.001 | 0.016 | - |
| BH12 12                                                                                      |           |         |                           |                     |         |                  |        |        |                     |        |        |                  |                  |                  |                          |                   |                   |                   |                                  |                |            |                   |                |                      |                    |                      |          |                       |              |          |                         |             |              |        |              |                        |        |       |   |

## **Appendix C JBS&G (2016d) Soil Vapour Factual Data Report**

27 May 2016

Barry Steedman  
Mirvac Projects Pty Ltd  
Via email: [barry.steedman@mirvac.com](mailto:barry.steedman@mirvac.com)

## **Locomotive Workshop Soil Vapour – Factual Data Report**

Dear Barry,

### **1. Introduction and Background**

JBS&G Australia Pty Ltd (JBS&G) has been engaged by Mirvac Projects Pty Ltd (Mircvac, the client) to provide environmental consultancy services associated with the remediation and redevelopment of a portion of the Australian Technology Park (ATP), herein referred to as the site (**Figures 1 and 2, Attachment 2**). The site is legally identified as Lots 8, 9, 12 in Deposited Plan (DP) 1136859, Part Lot 13 in DP 1136859 and Part Lot 10 in DP 1136859 (**Figure 3, Attachment 2**) and occupies an area of 11.6 ha. The site includes the Locomotive Workshop, public roads/domains (road reserves and pedestrian easements, recreational facilities and the eastern most extent of Lot 10 DP 1136859) and Developable Lots (Lots 8, 9 and 12). With the notable exception of the Locomotive Workshop, the footprints of existing ATP precinct structures (including the International Business Centre, National Innovation Centre, Traffic Management Centre (formally the RTA Building), Ambulance Service Building and Biomedical Building footprints) within Lot 13 in DP 113659 fall outside the site boundaries, as shown on **Figure 2 (Attachment 2)**.

It is understood that indoor air monitoring has been completed annually at the ATP since 2012. The monitoring has been undertaken as a precautionary measure in the absence of subsurface soil and groundwater characterisation below building footprints. As documented in JBS&G (2015a<sup>1</sup>), elevated sub-slab soil vapour trichloroethylene (TCE) concentrations have been reported underlying Bays 5 and 6 of the Locomotive Workshop at sample locations SVE and SVF (**Figure 4, Attachment 2**). However, ambient air quality results from within the building collected as part of ongoing environmental management plan (EMP, ES 2015a<sup>2</sup>) requirements were all below the adopted assessment criteria. As such, no current risk from sub-slab vapour conditions has been reported, however, additional assessment of sub-slab vapour conditions underlying the Locomotive Workshop has been requested by the Site Auditor to support ongoing management or change to the EMP (ES 2015a), if necessary.

It is understood the Locomotive Workshop is proposed for adaptive commercial land use (excluding a childcare centre or similar) which will largely involve interior remodelling while retaining the current slab and ventilation systems.

<sup>1</sup> *Mircvac Projects Pty Ltd – Australian Technology Park Detailed Site Assessment. 2 Locomotive Street, Eveleigh NSW.* JBS&G Australia Pty Ltd dated 9 December 2015 (JBS&G 2015a)

<sup>2</sup> *Environmental Management Plan, Australian Technology Park, Eveleigh NSW.* Environmental Strategies Pty Ltd dated August 2015 Revision 0 (ES 2015a)

As part of JBS&G's engagement, Mirvac has requested JBS&G undertake a sub-slab soil assessment within the Locomotive Workshop to address the Site Auditors comments. This letter report documents sub-slab soil vapour assessment activities within the Locomotive Workshop.

## **2. Scope and Objective**

The objective of the investigation is to document the concentration of soil vapour contaminants underlying the Locomotive Workshop. The results of the investigation will be used to assist in the preparation of a subsequent human health risk assessment for proposed redevelopment of the site.

The scope of works completed for this assessment comprised:

- Installation of twenty seven systematic sub-slab soil vapour points on an approximately 30 m grid across the Locomotive Workshop, sample collection, and subsequent laboratory analysis at a National Association of Testing Authority (NATA) certified laboratory for volatile organic compounds (VOC);
- Subsequent to receipt of the certificates of analysis of the initial sampling event, installation of six targeted sub-slab soil vapour locations, sample collection and laboratory analysis at a NATA certified laboratory for VOCs to assist in plume delineation / source identification in areas of elevated VOC concentrations; and
- Preparation of a factual letter report summarising the results of the sampling and analysis.

## **3. Site History and Setting**

A detailed review of the site setting and history is presented in JBS&G (2015a). Relevant information to this assessment is summarised herein.

### **3.1 Locomotive Workshop Location and Description**

The Locomotive Workshop (the assessment area) is located within the northern site extent in Lot 13 DP 1136859 and occupies an area of approximately 2.4 hectares (ha).

The Locomotive Workshop is a large heritage listed masonry and steel former railway building, which has undergone adaptive reuse in recent years for commercial purposes. With the notable exception of Bays 1 and 2 (Blacksmith and heritage room) within the Locomotive Workshop, based on advanced sample locations (**Figure 5, Attachment 2**) the concrete slab floor varies in thickness ranging from 0.4 m to 0.7 m and was noted to be in good condition with no observed cracks or fissures.

Within Bays 1 and 2 (Blacksmith and heritage room) ground surface treatments comprised a combination of gravels / crushed concrete (approximately 0.5 m in thickness) and / or asphaltic hardstands.

## **4. Methodology**

### **4.1 Soil Vapour Sampling Methodology**

The following methodology was adopted for the installation of sub-slab vapour points:

- Core concrete slab (20 mm diameter); and
- Place 6 mm Teflon tubing fixed with a Teflon sample tip and steel wool filter into the core hole to below the base of the slab, then seal the core hole with air-drying clay and a cementitious grout. The sub-slab point was purged immediately following installation.

The following methodology was adopted for the sampling of sub-slab vapour points:



- Purge the sub-slab vapour point using a calibrated photo-ionisation detector (PID) (10.6 eV lamp) and multi-gas meter to measure and record oxygen, carbon dioxide and methane concentrations until the parameters stabilise;
- To assess for leaks, place a rag saturated with Isopropyl alcohol around the probe / tubing at the ground surface and continue purging with the PID. If PID readings increase significantly this indicates a potential leak and additional measures were taken to adequately seal the point;
- Removal of tips from a carbon sorbent tube and connection to vapour point tubing. The downstream end of carbon sorbent tube was connected to a closed three-way valve and syringe of known volume (150 mL);
- Collect an approximate 6 litre volume vapour sample using the syringe to draw vapour through the carbon sorbent tube, using the three-way valve to prevent back-flow from the syringe through the tube;
- Use an isopropyl alcohol saturated rag around the sub-slab core hole throughout purging and sampling to assess for potential leaks;
- Disassemble syringe and tubing, remove carbon tube, replace tube caps and place in Zip-Lock bag; and
- Submit carbon tube for VOC analysis as per **Table A (Attachment 3)**.

Field notes documenting the sampling event are included in **Attachment 4**.

#### **4.2 Laboratory Analysis**

Eurofins / MGT (Eurofins) was the laboratory contracted for chemical analysis. Eurofins were NATA registered for the requested analysis at the time of analysis. Eurofins undertook internal Quality Assurance (QA) procedures in accordance with their NATA registration. In addition, the laboratories were required to meet JBS&G's internal Quality Assurance / Quality Control (QA/QC) requirements. Laboratory analytical reports are included in **Attachment 5**.

#### **4.3 Quality Assurance / Quality Control**

The pre-determined data quality indicators (DQIs) established for the project are discussed below in relation to precision, accuracy, representativeness, comparability, completeness and sensitivity (PARCCS parameters) (**Table 4.1**).

- Precision - measures the reproducibility of measurements under a given set of conditions. The precision of the laboratory data and sampling techniques is assessed by calculating the Relative Percent Difference (RPD) of duplicate samples.
- Accuracy - measures the bias in a measurement system. The accuracy of the laboratory data that is generated during this study is a measure of the closeness of the analytical results obtained by a method to the 'true' value. Accuracy is assessed by reference to the analytical results of laboratory control samples, laboratory spikes and analyses against reference standards.
- Representativeness –expresses the degree which sample data accurately and precisely represents a characteristic of a population or an environmental condition. Representativeness is achieved by collecting samples on a representative basis across the site, and by using an adequate number of sample locations to characterise the site to the required accuracy.

- **Comparability** - expresses the confidence with which one data set can be compared with another. This is achieved through maintaining a level of consistency in techniques used to collect samples; ensuring analysing laboratories use consistent analysis techniques and reporting methods.
- **Completeness** – is defined as the percentage of measurements made which are judged to be valid measurements. The completeness goal is set at there being sufficient valid data generated during the study.
- **Sensitivity** – expresses the appropriateness of the chosen laboratory methods, including the limits of reporting, in producing reliable data in relation to the adopted site assessment criteria.

**Table 4.1: Summary of Quality Assurance / Quality Control Program (carbon tubes)**

| Data Quality Indicator                                                                               | Frequency                     | DQI Target                     |
|------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| <b>Precision</b>                                                                                     |                               |                                |
| Blind duplicates (intra-laboratory)                                                                  | 1/20 samples                  | <50% RPD                       |
| Equipment blank                                                                                      | 1/sampling event              | <LOR                           |
| <b>Accuracy</b>                                                                                      |                               |                                |
| Surrogate spikes                                                                                     | All organic samples           | 70-130% recovery               |
| Laboratory control samples                                                                           | 1 per lab batch or 20 samples | 70-130% recovery               |
| <b>Representativeness</b>                                                                            |                               |                                |
| Sampling appropriate for media and analytes                                                          | All samples                   | -                              |
| Laboratory blanks                                                                                    | 1 per lab batch               | <LOR                           |
| Samples extracted and analysed within holding times                                                  | All samples                   | -                              |
| <b>Comparability</b>                                                                                 |                               |                                |
| Standard operating procedures used for sample collection and handling                                | All samples                   | All samples                    |
| Standard analytical methods used for all analyses                                                    | All samples                   | All samples                    |
| Consistent field conditions, field staff and laboratories                                            | All works                     | All works                      |
| Limits of reporting appropriate and consistent                                                       | All samples                   | All samples                    |
| <b>Completeness</b>                                                                                  |                               |                                |
| Field forms description and COCs completed and appropriate                                           | All samples                   | All samples                    |
| Appropriate documentation completed                                                                  | All works                     | All works                      |
| Satisfactory frequency and result for QC samples                                                     | All samples                   | All samples                    |
| Data from critical samples is considered valid                                                       | -                             | Critical samples valid         |
| <b>Sensitivity</b>                                                                                   |                               |                                |
| Analytical methods and limits of recovery appropriate for media and adopted Site assessment criteria | All Samples                   | LOR<= Site assessment criteria |

1 Relative percent difference

If any of the DQIs are not met, further assessment will be necessary to determine whether the non-conformance will significantly affect the usefulness of the data. Corrective actions may include requesting further information from samplers and / or analytical laboratories, downgrading of the quality of the data or alternatively, re-collection of the data.

## 5. Summary of QA / QC Results

### 5.1 QA / QC Results

The QA / QC results are summarised in **Table 5.1**, presented in **Attachment 6** and discussed in **Section 5.2**. Laboratory certificates of analysis are provided in **Attachment 5**.

**Table 5.1: Data Quality Indicators**

| Data Quality Indicator                                                                               | Frequency                     | Results Reported                                                                                                                                                                                | DQI Compliance       |
|------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Precision</b>                                                                                     |                               |                                                                                                                                                                                                 |                      |
| Blind duplicates                                                                                     | 3 / 33 samples analysed (9%)  | 0 %-135 %                                                                                                                                                                                       | Partial <sup>1</sup> |
| Equipment blank                                                                                      | 1 / sampling event            | <LOR                                                                                                                                                                                            | Yes                  |
| <b>Accuracy</b>                                                                                      |                               |                                                                                                                                                                                                 |                      |
| Laboratory control samples                                                                           | 1 per lab batch or 20 samples | 70% - 130 % recovery                                                                                                                                                                            | Yes                  |
| Leak detection                                                                                       | All samples                   | <LOR                                                                                                                                                                                            | Yes                  |
| <b>Representativeness</b>                                                                            |                               |                                                                                                                                                                                                 |                      |
| Sampling appropriate for media and analytes                                                          | All samples                   | All sampling conducted in accordance with JBS&G procedures                                                                                                                                      | Yes                  |
| Laboratory blanks                                                                                    | 1 per lab batch               | <LOR                                                                                                                                                                                            | Yes                  |
| Samples extracted and analysed within holding times                                                  | All samples                   | All samples extracted and analysed within holding times                                                                                                                                         | Yes                  |
| <b>Comparability</b>                                                                                 |                               |                                                                                                                                                                                                 |                      |
| Standard operating procedures used for sample collection and handling                                | All samples                   | Field staff used same standard operating procedures throughout works                                                                                                                            | Yes                  |
| Standard analytical methods used for all analyses                                                    | All samples                   | Standard analytical methods used as detailed in <b>Appendix M</b>                                                                                                                               | Yes                  |
| Consistent field conditions, field staff and laboratories                                            | All works                     | Sampling was conducted by field staff members using standard operating procedures in the same conditions throughout the works. The laboratory remained consistent throughout the investigation. | Yes                  |
| Limits of reporting appropriate and consistent                                                       | All samples                   | Limits of reporting were consistent and appropriate.                                                                                                                                            | Yes                  |
| <b>Completeness</b>                                                                                  |                               |                                                                                                                                                                                                 |                      |
| Description and COCs completed and appropriate                                                       | All samples                   | All bore logs, field reporting forms and chain of custody were completed appropriately.                                                                                                         | Yes                  |
| Appropriate documentation completed                                                                  | All works                     | All appropriate field documentation is included in the Appendices.                                                                                                                              | Yes                  |
| Satisfactory frequency and result for QC samples                                                     | All samples                   | The QC results are considered adequate for the purposes of the investigation.                                                                                                                   | Yes                  |
| Data from critical samples is considered valid                                                       | -                             | Critical samples valid                                                                                                                                                                          | Yes                  |
| <b>Sensitivity</b>                                                                                   |                               |                                                                                                                                                                                                 |                      |
| Analytical methods and limits of recovery appropriate for media and adopted site assessment criteria | All works                     | Analytical methods and limits of recovery were considered appropriate for media and adopted site assessment criteria for all analytes.                                                          | Yes                  |

## 5.2 QA / QC Discussion

### 5.2.1 Precision

#### Blind Duplicates (intra laboratory)

Soil vapour field blind (intra-laboratory) duplicates were collected at a rate of greater than 1 per 20 primary samples analysed, meeting the 1/20 DQI frequency (for blind duplicates). Blind (intra laboratory) duplicates for soil vapour RPDs were all within the acceptable JBS&G acceptable limit (0 % – 50 %), with the exception of samples:

- SV32\_FRONT (0.4333 mg/m<sup>3</sup>) and QC03-SV\_FRONT (<0.0833 mg/m<sup>3</sup>) with a Tetrachloroethene RPD of 135 %; and
- SV32\_FRONT (0.2333 mg/m<sup>3</sup>) and QC03-SV\_FRONT (<0.0833 mg/m<sup>3</sup>) with a trans-1,3-dichloropropene RPD of 95 %.

Elevated RPD calculations may be attributed to contaminant thresholds concentration being close to the LOR which results in disproportionately large RPDs. As a conservative measure, the higher reported concentration between the primary and duplicate sample will be considered.

#### Equipment Blank

An equipment blank was submitted with each laboratory batch. The results for all equipment blanks were less than the laboratory limit of reporting indicating the sampling methodology was not contributing the analytical results.

### 5.2.2 Accuracy

#### Surrogate Spikes

All laboratory control sample recoveries for vapour samples were compliant with DQIs and within the acceptable JBS&G acceptable limit (70 % – 130 %)

#### Leak Detection

Leak detection was conducted as per **Section 4.2**. No leaks were identified by the PID during sampling as further evidenced by the lowest possible detection limits being achieved, the absence of any analytes in laboratory results and the absence in the laboratory analysis results of any levels of Isopropyl alcohol.

### 5.2.3 Representativeness

#### Laboratory Blank

Results for all laboratory blanks for vapour samples were less than the limit of reporting indicating the analytical methods were not contributing to the analytical values reported.

#### Sampling Appropriate for Media and Analytes

Soil vapour sampling was undertaken appropriately. Soil vapour probes were correctly installed, sealed and leak detection was performed. The SKC Anasorb CSC tubes used were appropriate for the contaminant of concern (VOCs). Flow rate and total volume for each sample was recorded.

#### Holding Times

All analytes were undertaken within the holding times. Copies of laboratory sample receipts are included in **Attachment 5**.

### 5.2.4 Comparability

Samples were transported under full chain of custody documentation. The chain of custody documentation was completed correctly and the selected analyses were correctly conducted.

The frequency of analysis and result for all QC samples are appropriate.

#### **5.2.5 Sensitivity**

Laboratory analysis methods for all contaminants in soil vapour adopted during the investigation used limits of reporting less than the adopted assessment criteria.

#### **5.2.6 Assessment of QA/QC**

The results of the field and laboratory QA / QC program indicates the data obtained from the vapour sampling undertaken by JBS&G for this investigation are considered reliable and representative of the vapour conditions beneath the Locomotive Workshop during the time of sampling.

### **6. Results**

#### **6.1 Field Parameters and Observations**

As discussed in **Section 2**, the assessment works comprised installation of twenty seven systematic sub-slab soil vapour points on an approximately 30 m grid across the Locomotive Workshop, sample collection, and subsequent laboratory analysis for VOC. Subsequent to receipt of the certificates of analysis of the initial sampling event, six targeted sub-slab soil vapour locations were installed, sampled, and submitted for VOC analysis.

During purging, oxygen levels were found to range from 5.8 % to 21.1 %, PID ranged from 0.0 to 2.1 ppm, CO<sub>2</sub> ranged from 0 % to 4.9 % and methane ranged from 0 to 2 % in all probes. Each probe was purged for a minimum of 30 seconds with an MX6. Field notes are present in **Attachment 4**.

The concrete slab of the Locomotive Workshop ranged in thickness from approximately 0.4 m to 0.7 m and was noted to be in good repair.

Within Bays 1 and 2 (Blacksmith and heritage room) ground surface treatments comprised a combination of gravels / crushed concrete (approximately 0.5 m in thickness) and / or asphaltic hardstands.

#### **6.2 Soil Vapour Analytical Results**

Soil vapour analytical results are summarised in **Table A (Attachment 6)**. Detailed laboratory reports are provided in **Attachment 4**. Sampling locations are shown on **Figure 5 (Attachment 2)**.

### **7. Conclusion**

The completed soil vapour monitoring comprised twenty seven systematic and six targeted sub-slab soil vapour sampling locations, sample collection and subsequent laboratory analysis for VOCs at a NATA accredited laboratory.

The sampling procedures utilised for the investigation are considered appropriate for the chemical constituents analysed. The field and laboratory QA / QC program indicates that the data obtained from the sampling and analysis can be considered appropriately accurate for the objectives of the assessment – that is, the results of the investigation are considered reliable to assist in the preparation of a human health risk assessment for the site, specifically soil vapour conditions beneath the Locomotive Workshop.

### **8. Recommendations**

It is recommended that the data is included in the human health risk assessment in accordance with the QA/QC discussion provided in this report.

Should you require clarification, please contact the undersigned on 02 8245 0300 or by email [ncussen@jbsg.com.au](mailto:ncussen@jbsg.com.au).

Yours sincerely:



Nathan Cussen  
Senior Consultant  
**JBS&G Australia Pty Ltd**

Reviewed/Approved by:



Andrew Lau  
Principal, Contaminated Land  
**JBS&G Australia Pty Ltd**

Attachments:

- 1) Limitations
- 2) Figures
- 3) Table A: Summary of Analytical Results
- 4) Field Data Sheets
- 5) Laboratory Certificates of Analysis
- 6) Tabulated QA/QC Data

## **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.

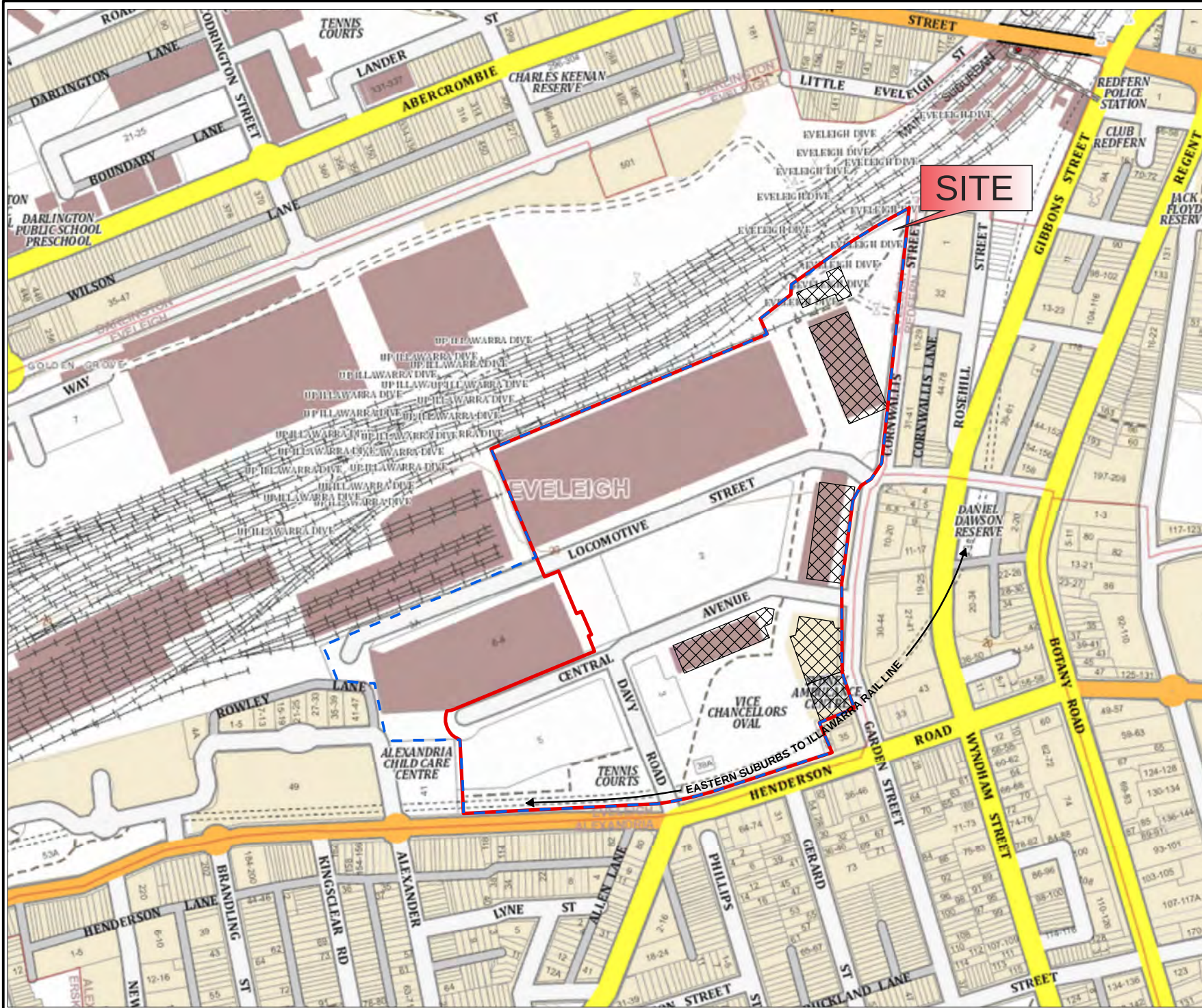
Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information 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.



## **Attachment 2 – Figures**



#### Legend:

- Approximate Boundary - ATP Precinct
- Approximate Boundary - The Site
- Existing Building Footprint Excluded from "The Site"



Job No: 51142

Client: Mirvac

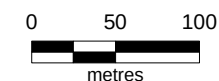
Version: L06 Rev 0

Date: 25-May-2016

Drawn By: SE

Checked By: NC

Scale 1:4,500



Coor. Sys. GDA 1994 MGA Zone 56

**Australia Technology Park  
Eveleigh, NSW**

**SITE LOCATION**

**FIGURE 1:**





#### Legend:

- Approximate Boundary - ATP Site
- Approximate Boundary - The Site
- Cadastral Boundaries
- Existing Building Footprint Excluded from "The Site"
- UST (Inferred Historical Location)



Job No: 51142

Client: Mirvac

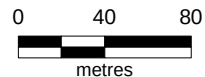
Version: L06 Rev 0

Date: 25-May-2016

Drawn By: SE

Checked By: NC

Scale 1:3,500



Coor. Sys. GDA 1994 MGA Zone 56

**Australia Technology Park  
Eveleigh, NSW**

**SITE LAYOUT**

**FIGURE 2:**



| ID | Easting    | Northing    |
|----|------------|-------------|
| 1  | 333302.989 | 6248006.382 |
| 2  | 333293.067 | 6247933.754 |
| 3  | 333293.439 | 6247856.397 |
| 4  | 333303.771 | 6247825.047 |
| 5  | 333273.907 | 6247812.619 |
| 6  | 333284.633 | 6247786.774 |
| 7  | 333132.920 | 6247742.202 |
| 8  | 332964.732 | 6247733.630 |
| 9  | 332961.638 | 6247797.811 |
| 10 | 332950.268 | 6247822.948 |
| 11 | 333078.318 | 6247874.821 |
| 12 | 333047.076 | 6247944.192 |
| 13 | 333035.035 | 6247939.195 |
| 14 | 332988.564 | 6248050.651 |
| 15 | 333228.276 | 6248150.135 |
| 16 | 333222.423 | 6248163.545 |
| 17 | 333249.014 | 6248184.579 |
| 18 | 333249.411 | 6248193.311 |
| 19 | 333351.804 | 6248259.986 |
| 20 | 333327.992 | 6248038.132 |
| 21 | 333318.864 | 6248024.242 |
| 22 | 333309.736 | 6248018.685 |



**Legend:**

- Approximate Boundary - ATP Site
- Cadastral Boundaries
- Approximate Boundary - The Site
- Existing Building Footprint Excluded from "The Site"
- Lot and DP Boundaries**
- Lot 8 DP1136859
- Lot 9 DP1136859
- Lot 10 DP1136859
- Lot 12 DP1136859
- Lot 13 DP1136859
- Site Coordinate Location



Job No: 51142

Client: Mirvac

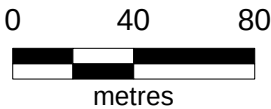
Version: L06 Rev 0

Date: 25-May-2016

Drawn By: RF

Checked By: NC

Scale 1:2,500



Coor. Sys. GDA 1994 MGA Zone 56

**Australia Technology Park  
Eveleigh, NSW**

**CADASTRE - LOT AND DP  
LOCATION**

**FIGURE 3:**





**Legend:**

**Historical Ambient Air and Soil Vapour Locations**

- ▲ Ambient Air DP 2010c
- ▼ Ambient Air ES 2015a
- ▼ Soil Vapour ES 2015a
- Approximate Boundary - ATP Site
- Approximate Boundary - The Site
- Cadastral Boundaries
- Existing Building Footprint Excluded from "The Site"

**Development Area - Lot 13**

- AREA 1
- AREA 2
- AREA 3
- AREA 4
- AREA 5
- AREA 6
- AREA 7

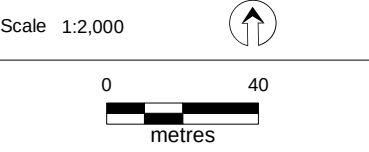


Job No: 51142

Client: Mirvac

Version: L06 Rev 0      Date: 25-May-2016

Drawn By: SE      Checked By: NC



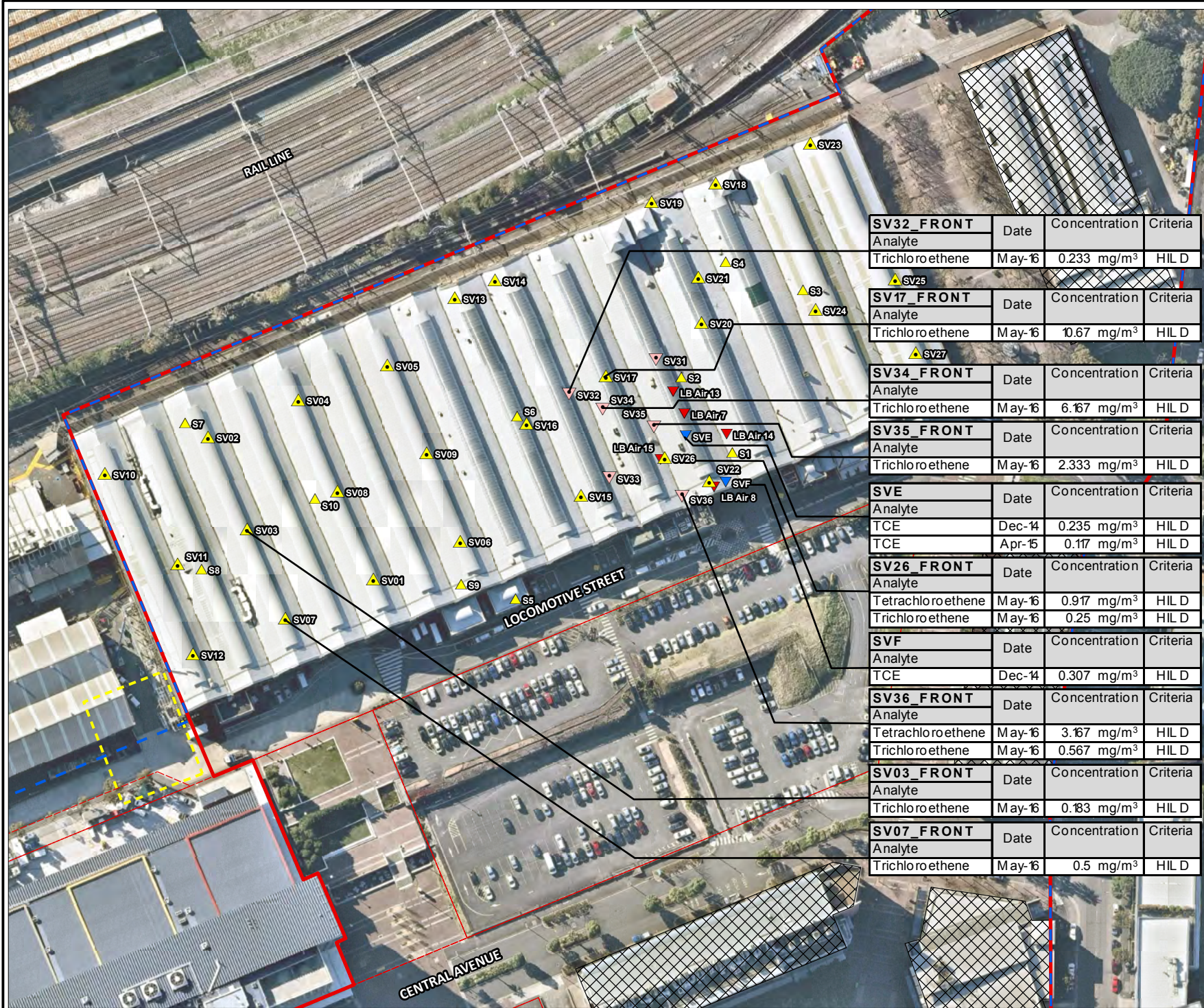
Coord. Sys. GDA 1994 MGA Zone 56

**Australia Technology Park  
Eveleigh, NSW**

**HISTORIC SOIL VAPOUR  
SAMPLE LOCATIONS LOT 13**

**FIGURE 4:**





#### Legend:

- Approximate Boundary - ATP Precinct
- Approximate Boundary - The Site
- Cadastral Boundaries
- Existing Building Footprint Excluded from "The Site"

- UST (Inferred Historical Location)
- Soil Vapour Location - May 5-6 2016
- Soil Vapour Location - May 20 2016

#### Historical Ambient Air and Soil Vapour Locations

- Ambient Air DP 2010c
- Ambient Air ES 2015a
- Soil Vapour ES 2015a



Job No: 51142

Client: Mirvac

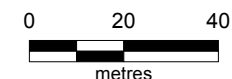
Version: L06 Rev 0

Date: 25-May-2016

Drawn By: SE

Checked By: NC

Scale 1:1,600



Coor. Sys. GDA 1994 MGA Zone 56

**Australia Technology Park  
Eveleigh, NSW**

#### SOIL VAPOUR LOCATIONS AND EXCEEDANCES

FIGURE 5:



### **Attachment 3 – Table A: Summary of Analytical Results**



Table A: Soil Vapour Analytical Results  
Project Number: ATP Soil Vapour  
Project Name: 51142

[illegible]

| ID            | Date       | SampleCode  | Lab #  |
|---------------|------------|-------------|--------|
| MAY 5-6, 2016 |            |             |        |
| SV01 BACK     | 4-05-2016  | S16-MY06799 | 499538 |
| SV01 FRONT    | 4-05-2016  | S16-MY06798 | 499538 |
| SV02 BACK     | 4-05-2016  | S16-MY06801 | 499538 |
| SV02 FRONT    | 4-05-2016  | S16-MY06800 | 499538 |
| SV03 BACK     | 4-05-2016  | S16-MY06803 | 499538 |
| SV03 FRONT    | 4-05-2016  | S16-MY06802 | 499538 |
| SV04 BACK     | 4-05-2016  | S16-MY06805 | 499538 |
| SV04 FRONT    | 4-05-2016  | S16-MY06804 | 499538 |
| QC01 BACK     | 4-05-2016  | S16-MY06853 | 499538 |
| QC01 FRONT    | 4-05-2016  | S16-MY06852 | 499538 |
| SV05 BACK     | 4-05-2016  | S16-MY06807 | 499538 |
| SV05 FRONT    | 4-05-2016  | S16-MY06806 | 499538 |
| SV06 BACK     | 4-05-2016  | S16-MY06809 | 499538 |
| SV06 FRONT    | 4-05-2016  | S16-MY06808 | 499538 |
| SV07 BACK     | 4-05-2016  | S16-MY06811 | 499538 |
| SV07 FRONT    | 4-05-2016  | S16-MY06810 | 499538 |
| SV08 BACK     | 4-05-2016  | S16-MY06813 | 499538 |
| SV08 FRONT    | 4-05-2016  | S16-MY06812 | 499538 |
| SV09 BACK     | 4-05-2016  | S16-MY06815 | 499538 |
| SV09 FRONT    | 4-05-2016  | S16-MY06814 | 499538 |
| SV10 BACK     | 4-05-2016  | S16-MY06817 | 499538 |
| SV10 FRONT    | 4-05-2016  | S16-MY06816 | 499538 |
| SV11 BACK     | 4-05-2016  | S16-MY06819 | 499538 |
| SV11 FRONT    | 4-05-2016  | S16-MY06818 | 499538 |
| SV12 BACK     | 4-05-2016  | S16-MY06821 | 499538 |
| SV12 FRONT    | 4-05-2016  | S16-MY06820 | 499538 |
| SV13 BACK     | 4-05-2016  | S16-MY06823 | 499538 |
| SV13 FRONT    | 4-05-2016  | S16-MY06822 | 499538 |
| SV14 BACK     | 4-05-2016  | S16-MY06825 | 499538 |
| SV14 FRONT    | 4-05-2016  | S16-MY06824 | 499538 |
| SV15 BACK     | 4-05-2016  | S16-MY06827 | 499538 |
| SV15 FRONT    | 4-05-2016  | S16-MY06826 | 499538 |
| SV16 BACK     | 5-05-2016  | S16-MY06829 | 499538 |
| SV16 FRONT    | 5-05-2016  | S16-MY06828 | 499538 |
| SV17 BACK     | 5-05-2016  | S16-MY06831 | 499538 |
| SV17 FRONT    | 5-05-2016  | S16-MY06830 | 499538 |
| SV18 BACK     | 5-05-2016  | S16-MY06833 | 499538 |
| SV18 FRONT    | 5-05-2016  | S16-MY06832 | 499538 |
| SV19 BACK     | 5-05-2016  | S16-MY06835 | 499538 |
| SV19 FRONT    | 5-05-2016  | S16-MY06834 | 499538 |
| SV20 BACK     | 5-05-2016  | S16-MY06837 | 499538 |
| SV20 FRONT    | 5-05-2016  | S16-MY06836 | 499538 |
| QC02 BACK     | 5-05-2016  | S16-MY06855 | 499538 |
| QC02 FRONT    | 5-05-2016  | S16-MY06854 | 499538 |
| SV21 BACK     | 5-05-2016  | S16-MY06839 | 499538 |
| SV21 FRONT    | 5-05-2016  | S16-MY06838 | 499538 |
| SV22 BACK     | 5-05-2016  | S16-MY06841 | 499538 |
| SV22 FRONT    | 5-05-2016  | S16-MY06840 | 499538 |
| SV23 BACK     | 5-05-2016  | S16-MY06843 | 499538 |
| SV23 FRONT    | 5-05-2016  | S16-MY06842 | 499538 |
| SV24 BACK     | 5-05-2016  | S16-MY06845 | 499538 |
| SV24 FRONT    | 5-05-2016  | S16-MY06844 | 499538 |
| SV25 BACK     | 5-05-2016  | S16-MY06847 | 499538 |
| SV25 FRONT    | 5-05-2016  | S16-MY06846 | 499538 |
| SV26 BACK     | 5-05-2016  | S16-MY06849 | 499538 |
| SV26 FRONT    | 5-05-2016  | S16-MY06848 | 499538 |
| SV27 BACK     | 5-05-2016  | S16-MY06851 | 499538 |
| SV27 FRONT    | 5-05-2016  | S16-MY06850 | 499538 |
| MAY 20, 2016  |            |             |        |
| SV31 BACK     | 20-05-2016 | S16-MY20993 | 501366 |
| SV31 FRONT    | 20-05-2016 | S16-MY20992 | 501366 |
| SV32 BACK     | 20-05-2016 | S16-MY20995 | 501366 |
| SV32 FRONT    | 20-05-2016 | S16-MY20994 | 501366 |
| QC03-SV_BACK  | 20-05-2016 | S16-MY21007 | 501366 |
| QC03-SV_FRONT | 20-05-2016 | S16-MY21006 | 501366 |
| SV33 BACK     | 20-05-2016 | S16-MY20997 | 501366 |
| SV33 FRONT    | 20-05-2016 | S16-MY20996 | 501366 |
| SV34 BACK     | 20-05-2016 | S16-MY20999 | 501366 |
| SV34 FRONT    | 20-05-2016 | S16-MY20998 | 501366 |
| SV35 BACK     | 20-05-2016 | S16-MY21001 | 501366 |
| SV35 FRONT    | 20-05-2016 | S16-MY21000 | 501366 |
| SV36 BACK     | 20-05-2016 | S16-MY21003 | 501366 |
| SV36 FRONT    | 20-05-2016 | S16-MY21002 | 501366 |

#1:Oregon Department of Environmental Quality Guidelines factor of 0.001 applied to commercial buildings, based on a detailed study of soil vapour / building vapour measurements. #2:Factor of 0.1 conversion used from indoor air to soil vapour

Table A: Soil Vapour Analytical Results  
Project Number: ATP Soil Vapour  
Project Name: 51142

[illegible][illegible]

#1:Oregon Department of Environmental Quality Guidelines factor of 0.001 applied  
#2:Factor of 0.1 conversion used from indoor air to soil vapour

## **Attachment 4 – Field Data Sheets**

# Gas Sampling Form



|                                        |                         |                           |
|----------------------------------------|-------------------------|---------------------------|
| Project Number: 51142                  | Date: May-16            | Sampler/s: RH / <u>EH</u> |
| Site Address: ATP                      | Sample Method: Sub Slab | Weather: <u>Fine</u>      |
| Well ID/ Grid Area: <u>SV01 + SV02</u> | Wind Strength: N/A      | Wind Direction: N/A       |

## Field Measurements

| Time                                                        | Location Code<br>(well or grid point) | Flow Rate<br>(L/hour) | Barometric Pressure<br>(mb) | Relative Pressure<br>(mb) | CH <sub>4</sub><br>(%) | CO <sub>2</sub><br>(%) | O <sub>2</sub><br>(%) | Balance<br>(%) | H <sub>2</sub> S<br>(ppm) | PID |
|-------------------------------------------------------------|---------------------------------------|-----------------------|-----------------------------|---------------------------|------------------------|------------------------|-----------------------|----------------|---------------------------|-----|
| 8:58                                                        | SV01                                  |                       |                             |                           | 0                      | 0                      | 17.9                  |                |                           | 0   |
| 8:59                                                        | ↓                                     |                       |                             |                           | 0                      | 0                      | 17.2                  |                |                           | 0   |
| 9:00                                                        |                                       |                       |                             |                           | 0                      | 0                      | 16.8                  |                |                           | 0   |
| 9:01                                                        |                                       |                       |                             |                           | 6                      | 8.04                   | 16.5                  |                |                           | 0   |
| 9:02                                                        |                                       |                       |                             |                           | 0                      | 0.07                   | 16.4                  |                |                           | 0   |
| 9:03                                                        |                                       |                       |                             |                           | 0                      | 0.16                   | 16.3                  |                |                           | 0   |
| 9:04                                                        |                                       |                       |                             |                           | 0                      | 0.22                   | 16.2                  |                |                           | 0   |
| <hr/>                                                       |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
| 9:46                                                        | SV02                                  |                       |                             |                           | 0                      | 0                      | 19.2                  |                |                           | 0   |
| 9:47                                                        | ↓                                     |                       |                             |                           | 0                      | 0.04                   | 18.9                  |                |                           | 0   |
| 9:48                                                        |                                       |                       |                             |                           | 0                      | 0.07                   | 18.9                  |                |                           | 0   |
| 9:49                                                        |                                       |                       |                             |                           | 0                      | 0.10                   | 18.9                  |                |                           | 0   |
| 9:50                                                        |                                       |                       |                             |                           | 0                      | 0.13                   | 18.8                  |                |                           | 0   |
| 9:51                                                        |                                       |                       |                             |                           | 0                      | 0.16                   | 18.8                  |                |                           | 0   |
| 9:52                                                        |                                       |                       |                             |                           | 0                      | 0.16                   | 18.8                  |                |                           | 0   |
| Comments (Odour, Wind, Grass Moisture, Well Condition etc): |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
|                                                             |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |

Gas Sampling Form



|                                    |                         |                     |
|------------------------------------|-------------------------|---------------------|
| Project Number: 51142              | Date: May-16            | Sampler/s: RH / EH  |
| Site Address: ATP                  | Sample Method: Sub Slab | Weather: Fine       |
| Well ID/ Grid Area: SVO3+SVO4+SVO6 | Wind Strength: N/A      | Wind Direction: N/A |

Field Measurements

| Time  | Location Code<br>(well or grid point) | Flow Rate<br>(L/hour) | Barometric Pressure<br>(mb) | Relative Pressure<br>(mb) | CH <sub>4</sub><br>(%) | CO <sub>2</sub><br>(%) | O <sub>2</sub><br>(%) | Balance<br>(%) | H <sub>2</sub> S<br>(ppm) |
|-------|---------------------------------------|-----------------------|-----------------------------|---------------------------|------------------------|------------------------|-----------------------|----------------|---------------------------|
| 10:42 | SVO3                                  |                       |                             |                           | 0                      | 0.50                   | 19.1                  |                |                           |
| 10:43 |                                       |                       |                             |                           | 0                      | 0.56                   | 19.0                  |                |                           |
| 10:44 |                                       |                       |                             |                           | 0                      | 0.59                   | 18.9                  |                |                           |
| 10:45 |                                       |                       |                             |                           | 0                      | 0.62                   | 18.8                  |                |                           |
| 10:46 |                                       |                       |                             |                           | 0                      | 0.65                   | 18.8                  |                |                           |
| 10:47 |                                       |                       |                             |                           | 0                      | 0.68                   | 18.7                  |                |                           |
| 11:01 | SVO4 = QCO1                           |                       |                             |                           | 0                      | 1.76                   | 8.1                   |                |                           |
| 11:02 |                                       |                       |                             |                           | 0                      | 4.10                   | 6.9                   |                |                           |
| 11:03 |                                       |                       |                             |                           | 0                      | 4.5                    | 6.4                   |                |                           |
| 11:04 |                                       |                       |                             |                           | 0                      | OR                     | 6.2                   |                |                           |
| 11:05 |                                       |                       |                             |                           | 0                      | OR                     | 5.8                   |                |                           |
|       |                                       |                       |                             |                           |                        | 0                      |                       |                |                           |
| 11:37 | SVO6                                  |                       |                             |                           | 0                      | 0.19                   | 17.2                  |                |                           |
| 11:38 |                                       |                       |                             |                           | 0                      | 0.68                   | 16.9                  |                |                           |
| 11:39 |                                       |                       |                             |                           | 0                      | 0.90                   | 16.7                  |                |                           |
| 11:40 |                                       |                       |                             |                           | 0                      | 0.99                   | 16.6                  |                |                           |
| 11:41 |                                       |                       |                             |                           | 0                      | 1.08                   | 16.6                  |                |                           |
|       |                                       |                       |                             |                           |                        |                        |                       |                |                           |
|       |                                       |                       |                             |                           |                        |                        |                       |                |                           |
|       |                                       |                       |                             |                           |                        |                        |                       |                |                           |

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Comments (Odour, Wind, Grass Moisture, Well Condition etc):

SVO4 = QCO1



### Field Measurements

PLD

No odours, wind or moisture



## Gas Sampling Form



|                         |                         |                     |
|-------------------------|-------------------------|---------------------|
| Project Number: 51142   | Date: May-18            | Sampler/s: RH / EH  |
| Site Address: ATP       | Sample Method: Sub Slab | Weather:            |
| Well ID/Grid Area: SVO7 | Wind Strength: N/A      | Wind Direction: N/A |

## Field Measurements

| Time  | Location Code<br>(well or grid point) | Flow Rate<br>(L/hour) | Barometric Pressure<br>(mb) | Relative Pressure<br>(mb) | CH <sub>4</sub><br>(%) | CO <sub>2</sub><br>(%) | O <sub>2</sub><br>(%) | Balance<br>(%) | H <sub>2</sub> S<br>(ppm) | PID |
|-------|---------------------------------------|-----------------------|-----------------------------|---------------------------|------------------------|------------------------|-----------------------|----------------|---------------------------|-----|
| 11:56 | SVO7                                  |                       |                             |                           | 0                      | 0.07                   | 17.7                  |                |                           | 0   |
| 11:57 | ↓                                     |                       |                             |                           | 0                      | 0.14                   | 17.5                  |                |                           | 0.7 |
| 11:58 | ↓                                     |                       |                             |                           | 0                      | 0.22                   | 17.4                  |                |                           | 1.3 |
| 11:59 | ↓                                     |                       |                             |                           | 0                      | 0.28                   | 17.3                  |                |                           | 1.4 |
| 12:00 | ↓                                     |                       |                             |                           | 0                      | 0.34                   | 17.3                  |                |                           | 1.4 |
| 12:01 | ↓                                     |                       |                             |                           | 0                      | 0.37                   | 17.3                  |                |                           | 1.4 |
| 12:02 | ↓                                     |                       |                             |                           | 0                      | 0.40                   | 17.2                  |                |                           | 1.4 |
| 12:13 | SVO8                                  |                       |                             |                           | 0                      | 0.77                   | 16.4                  |                |                           | 0   |
| 12:14 |                                       |                       |                             |                           | 0                      | 0.90                   | 16.3                  |                |                           | 0   |
| 12:15 |                                       |                       |                             |                           | 0                      | 1.05                   | 16.2                  |                |                           | 0   |
| 12:16 |                                       |                       |                             |                           | 0                      | 1.14                   | 16.2                  |                |                           | 0   |
| 12:17 |                                       |                       |                             |                           | 0                      | 1.17                   | 16.1                  |                |                           | 0   |
| 12:18 |                                       |                       |                             |                           | 0                      | 1.30                   | 16.1                  |                |                           | 0   |
| 1:58  | SV10                                  |                       |                             |                           | 0                      | 0                      | 16.6                  |                |                           | 0   |
| 1:59  | ↓                                     |                       |                             |                           | 0                      | 0                      | 15.2                  |                |                           | 0.7 |
| 2:00  | ↓                                     |                       |                             |                           | 0                      | 0                      | 14.7                  |                |                           | 1.5 |
| 2:01  | ↓                                     |                       |                             |                           | 0                      | 0                      | 14.7                  |                |                           | 1.7 |
| 2:02  | ↓                                     |                       |                             |                           | 0                      | 0                      | 14.7                  |                |                           | 1.7 |

Comments (Odour, Wind, Grass Moisture, Well Condition etc):

## Gas Sampling Form



|                                        |                         |                     |
|----------------------------------------|-------------------------|---------------------|
| Project Number: 51142                  | Date: May-16            | Sampler/s: RH / EH  |
| Site Address: ATP                      | Sample Method: Sub Slab | Weather: Fine.      |
| Well ID/ Grid Area: SV11 + SV12 + SV13 | Wind Strength: N/A      | Wind Direction: N/A |

## Field Measurements

| Time | Location Code<br>(well or grid point) | Flow Rate<br>(L/hour) | Barometric Pressure<br>(mb) | Relative Pressure<br>(mb) | CH <sub>4</sub><br>(%) | CO <sub>2</sub><br>(%) | O <sub>2</sub><br>(%) | Balance<br>(%) | H <sub>2</sub> S<br>(ppm) |
|------|---------------------------------------|-----------------------|-----------------------------|---------------------------|------------------------|------------------------|-----------------------|----------------|---------------------------|
| 2:19 | SV11                                  |                       |                             |                           | 0                      | 0                      | 20.3                  |                |                           |
| 2:20 | ↓                                     |                       |                             |                           | 0                      | 0.1                    | 20.2                  |                |                           |
| 2:21 | ↓                                     |                       |                             |                           | 0                      | 0.1                    | 20.2                  |                |                           |
| 2:22 | ↓                                     |                       |                             |                           | 0                      | 0.13                   | 20.2                  |                |                           |
| 2:23 | ↓                                     |                       |                             |                           | 0                      | 0.13                   | 20.2                  |                |                           |
| 2:29 | SV12                                  |                       |                             |                           | 0                      | 0                      | 21.0                  |                |                           |
| 2:30 | ↓                                     |                       |                             |                           | 0                      | 0.07                   | 20.0                  |                |                           |
| 2:31 | ↓                                     |                       |                             |                           | 0                      | 0.34                   | 19.7                  |                |                           |
| 2:32 | ↓                                     |                       |                             |                           | 0                      | 0.60                   | 19.6                  |                |                           |
| 2:33 | ↓                                     |                       |                             |                           | 0                      | 0.66                   | 19.5                  |                |                           |
| 2:34 | ↓                                     |                       |                             |                           | 0                      | 0.71                   | 19.5                  |                |                           |
| 3:09 | SV13                                  |                       |                             |                           | 0                      | 0                      | 20.9                  |                |                           |
| 3:10 | ↓                                     |                       |                             |                           | 0                      | 0                      | 20.9                  |                |                           |
| 3:11 | ↓                                     |                       |                             |                           | 0                      | 0                      | 20.9                  |                |                           |
| 3:12 | ↓                                     |                       |                             |                           | 0                      | 0                      | 20.9                  |                |                           |
| 3:13 | ↓                                     |                       |                             |                           | 0                      | 0                      | 20.9                  |                |                           |

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Comments (Odour, Wind, Grass Moisture, Well Condition etc):



## Field Measurements

Comments (Odour, Wind, Grass Moisture, Well Condition etc):

## Gas Sampling Form



|                                            |                         |                      |
|--------------------------------------------|-------------------------|----------------------|
| Project Number: 51142                      | Date: May-18            | Sampler/s: RH / EH   |
| Site Address: ATP                          | Sample Method: Sub Slab | Weather: <u>fine</u> |
| Well ID/Grid Area: <u>SV16, SV17, SV18</u> | Wind Strength: N/A      | Wind Direction: N/A  |

## Field Measurements

| Time | Location Code<br>(well or grid point) | Flow Rate<br>(L/hour) | Barometric Pressure<br>(mb) | Relative Pressure<br>(mb) | CH <sub>4</sub><br>(%) | CO <sub>2</sub><br>(%) | O <sub>2</sub><br>(%) | Balance<br>(%) | H <sub>2</sub> S<br>(ppm) | PID |
|------|---------------------------------------|-----------------------|-----------------------------|---------------------------|------------------------|------------------------|-----------------------|----------------|---------------------------|-----|
| 7:45 | SV16                                  |                       |                             |                           | 0                      | 2.19                   | 10.2                  |                |                           | 0   |
| 7:46 |                                       |                       |                             |                           | 0                      | 4.77                   | 8.2                   |                |                           | 0   |
| 7:47 |                                       |                       |                             |                           | 0                      | OR                     | 8.0                   |                |                           | 0   |
| 7:48 |                                       |                       |                             |                           | 0                      | OR                     | 7.7                   |                |                           | 0   |
| 7:49 |                                       |                       |                             |                           | 0                      | OR                     | 7.4                   |                |                           | 0   |
| 7:50 |                                       |                       |                             |                           | 0                      | OR                     | 7.3                   |                |                           | 0   |
| 8:30 | SV17                                  |                       |                             |                           | 0                      | 0.8                    | 18.9                  |                |                           | 0   |
| 8:31 | ↓                                     |                       |                             |                           | 0                      | 0.9                    | 18.8                  |                |                           | 0.9 |
| 8:32 | ↓                                     |                       |                             |                           | 0                      | 0.96                   | 18.7                  |                |                           | 1.1 |
| 8:33 | ↓                                     |                       |                             |                           | 0                      | 0.99                   | 18.7                  |                |                           | 1.6 |
| 8:34 | ↓                                     |                       |                             |                           | 0                      | 1.02                   | 18.6                  |                |                           | 1.6 |
| 8:46 | SV18                                  |                       |                             |                           | 0                      | 0.07                   | 20.3                  |                |                           | 0   |
|      | ↑                                     |                       |                             |                           | 0                      | 0.07                   | 20.1                  |                |                           | 0   |
|      | ↓                                     |                       |                             |                           | 0                      | 0.07                   | 20.2                  |                |                           | 0   |
|      | ↓                                     |                       |                             |                           | 0                      | 0.07                   | 20.1                  |                |                           | 0   |
|      |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
|      |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
|      |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
|      |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
|      |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
|      |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
|      |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |
|      |                                       |                       |                             |                           |                        |                        |                       |                |                           |     |

Comments (Odour, Wind, Grass Moisture, Well Condition etc):

# Gas Sampling Form



|                                     |                         |                     |
|-------------------------------------|-------------------------|---------------------|
| Project Number: 51142               | Date: May-16            | Sampler/s: RH / EH  |
| Site Address: ATP                   | Sample Method: Sub Slab | Weather:            |
| Well ID/Grid Area: SV19, SV20, SV21 | Wind Strength: N/A      | Wind Direction: N/A |

## Field Measurements

| Time  | Location Code (well or grid point) | Flow Rate (L/hour) | Barometric Pressure (mb) | Relative Pressure (mb) | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | Balance (%) | H <sub>2</sub> S (ppm) | PID |
|-------|------------------------------------|--------------------|--------------------------|------------------------|---------------------|---------------------|--------------------|-------------|------------------------|-----|
| 8:53  | SV19                               |                    |                          |                        | 0                   | 2.1                 | 14.3               |             |                        | 0   |
| 8:54  | ↓                                  |                    |                          |                        | 0                   | 2.74                | 13.9               |             |                        | 0   |
| 8:55  | ↓                                  |                    |                          |                        | 0                   | 3.42                | 13.6               |             |                        | 0   |
| 8:56  | ↓                                  |                    |                          |                        | 0                   | 3.54                | 13.6               |             |                        | 0   |
| 8:57  | ↓                                  |                    |                          |                        | 0                   | 3.67                | 13.5               |             |                        | 0   |
| 8:58  | ↓                                  |                    |                          |                        | 0                   | 3.79                | 13.4               |             |                        | 0   |
| 8:59  | ↓                                  |                    |                          |                        | 0                   | 3.91                | 13.4               |             |                        | 0   |
| 9:40  | SV20 = QCO2                        |                    |                          |                        | 0                   | 4.96                | 14.8               |             |                        | 0   |
| 9:41  | ↓                                  |                    |                          |                        | 2                   | OR                  | 14.6               |             |                        | 0   |
| 9:42  | ↓                                  |                    |                          |                        | 2                   | OR                  | 14.4               |             |                        | 0   |
| 9:43  | ↓                                  |                    |                          |                        | 2                   | OR                  | 14.2               |             |                        | 0   |
| 9:44  | ↓                                  |                    |                          |                        | 2                   | OR                  | 14.2               |             |                        | 0   |
| 9:45  | ↓                                  |                    |                          |                        | 2                   | OR                  | 14.2               |             |                        | 0   |
| 10:20 | SV21                               |                    |                          |                        | 2                   | 4.76                | 11.2               |             |                        | 0   |
| 10:21 |                                    |                    |                          |                        | 2                   | OR                  | 10.5               |             |                        | 0   |
| 10:22 |                                    |                    |                          |                        | 2                   | OR                  | 10.3               |             |                        | 0   |
| 10:23 |                                    |                    |                          |                        | 2                   | OR                  | 10.1               |             |                        | 0   |
| 10:24 |                                    |                    |                          |                        | 2                   | OR                  | 10.0               |             |                        | 0   |

Comments (Odour, Wind, Grass Moisture, Well Condition etc):

SV20 = QCO2 .

# Gas Sampling Form



|                       |                         |                      |
|-----------------------|-------------------------|----------------------|
| Project Number: 51142 | Date: May-16            | Sampler/s: RH/ EH/LB |
| Site Address: ATP     | Sample Method: Sub Slab | Weather: Fine.       |
| Well ID/Grid Area:    | Wind Strength: N/A      | Wind Direction: N/A  |

## Field Measurements

| Time  | Location Code<br>(well or grid point) | Flow Rate<br>(L/hour) | Barometric Pressure<br>(mb) | Relative Pressure<br>(mb) | LEL<br>CH <sub>4</sub><br>(%) | CO <sub>2</sub><br>(%)  | O <sub>2</sub><br>(%) | Balance<br>(%) | LEL<br>H <sub>2</sub> S<br>(ppm) | PID |
|-------|---------------------------------------|-----------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|-----------------------|----------------|----------------------------------|-----|
| 10:45 | SV22                                  |                       |                             |                           | 0                             | 0.40<br><del>20.4</del> | 20.5                  |                | 0                                | 0   |
|       | ↓                                     |                       |                             |                           | 0                             | 0.37                    | 20.5                  |                | 0                                | 0   |
|       |                                       |                       |                             |                           | 0                             | 0.37                    | 20.5                  |                | 0                                | 0   |
|       |                                       |                       |                             |                           | 0                             | 0.37                    | 20.6                  |                | 0                                | 0   |
| 10:55 | SV23                                  |                       |                             |                           | 0                             | 1.05                    | 20.2                  |                |                                  | 0   |
|       | ↓                                     |                       |                             |                           | 0                             | 1.17                    | 20.1                  |                |                                  | 0.3 |
|       |                                       |                       |                             |                           | 0                             | 1.17                    | 20.1                  |                |                                  | 0.6 |
|       |                                       |                       |                             |                           | 0                             | 1.20                    | 20.1                  |                |                                  | 0.7 |
| 11:00 | SV24                                  |                       |                             |                           | 0                             | 0.77<br><del>18.8</del> | 18.8                  |                |                                  | 0   |
|       | ↓                                     |                       |                             |                           | 0                             | 0.80                    | 18.7                  |                |                                  | 0.4 |
|       |                                       |                       |                             |                           | 0                             | 0.94                    | 18.7                  |                |                                  | 0.6 |
|       |                                       |                       |                             |                           | 0                             | 0.89                    | 18.7                  |                |                                  | 0.8 |
| 12:01 | SV25                                  |                       |                             |                           | 0                             | 0.96                    | 17.9                  |                |                                  | 0   |
|       | ↓                                     |                       |                             |                           | 0                             | 1.79                    | 17.5                  |                |                                  | 0   |
|       |                                       |                       |                             |                           | 0                             | 2.19                    | 17.2                  |                |                                  | 0   |
|       |                                       |                       |                             |                           | 0                             | 2.37                    | 17.0                  |                |                                  | 0   |
|       |                                       |                       |                             |                           | 0                             | 2.50                    | 16.8                  |                |                                  | 0   |
|       |                                       |                       |                             |                           | 0                             | 2.68                    | 16.7                  |                |                                  | 0   |

Comments (Odour, Wind, Grass Moisture, Well Condition etc):





### Field Measurements

Comments (Odour, Wind, Grass Moisture, Well Condition etc):

## Gas Sampling Form



|                       |                        |                 |
|-----------------------|------------------------|-----------------|
| Project Number: 51142 | Date:                  | Sampler/s: RH   |
| Site Address: ATP     | Sample Method: Syringe | Weather: Fine   |
| Well ID/Grid Area:    | Wind Strength:         | Wind Direction: |

## Field Measurements

| Time                                                        | Location Code<br>(well or grid point) | Flow Rate<br>(L/hour) | Barometric Pressure<br>(mb) | Relative Pressure<br>(mb) | CH <sub>4</sub><br>(%) | CO <sub>2</sub><br>(%) | O <sub>2</sub><br>(%) | Balance<br>(%) | H <sub>2</sub> S<br>(ppm) |
|-------------------------------------------------------------|---------------------------------------|-----------------------|-----------------------------|---------------------------|------------------------|------------------------|-----------------------|----------------|---------------------------|
| 656                                                         | SU31                                  |                       |                             |                           | 0                      | 0.01                   | 21.1                  |                |                           |
| 657                                                         | ↓                                     |                       |                             |                           | 0                      | 0.62                   | 21.0                  |                |                           |
| 658                                                         | ↓                                     |                       |                             |                           | 0                      | 0.01                   | 20.6                  |                |                           |
| 659                                                         | ↓                                     |                       |                             |                           | 0                      | 0.01                   | 18.1                  |                |                           |
| 700                                                         | ↓                                     |                       |                             |                           | 0                      | 0.22                   | 17.2                  |                |                           |
| 701                                                         | ↓                                     |                       |                             |                           | 0                      | 0.28                   | 17.0                  |                |                           |
| 702                                                         | ↓                                     |                       |                             |                           | 0                      | 0.35                   | 16.8                  |                |                           |
| 703                                                         | ↓                                     |                       |                             |                           | 0                      | 0.35                   | 16.8                  |                |                           |
| 720                                                         | SU32                                  |                       |                             |                           | 0                      | 0.00                   | 21.0                  |                |                           |
| 721                                                         | ↓                                     |                       |                             |                           | 0                      | 0.15                   | 20.5                  |                |                           |
| 722                                                         | ↓                                     |                       |                             |                           | 0                      | 0.26                   | 19.9                  |                |                           |
| 723                                                         | ↓                                     |                       |                             |                           | 0                      | 0.31                   | 18.4                  |                |                           |
| 724                                                         | ↓                                     |                       |                             |                           | 0                      | 0.40                   | 17.9                  |                |                           |
| 725                                                         | ↓                                     |                       |                             |                           | 0                      | 0.41                   | 16.8                  |                |                           |
| 726                                                         | ↓                                     |                       |                             |                           | 0                      | 0.46                   | 16.7                  |                |                           |
| 727                                                         | ↓                                     |                       |                             |                           | 0                      | 0.51                   | 16.9                  |                |                           |
| 802                                                         | SU33                                  |                       |                             |                           | 0                      | 0.00                   | 21.0                  |                |                           |
| 803                                                         | ↓                                     |                       |                             |                           | 0                      | 0.02                   | 20.9                  |                |                           |
| 804                                                         | ↓                                     |                       |                             |                           | 0                      | 0.02                   | 20.7                  |                |                           |
| Comments (Odour, Wind, Grass Moisture, Well Condition etc): |                                       |                       |                             |                           |                        |                        |                       |                |                           |
| 805                                                         | ↓                                     |                       |                             |                           | 0                      | 0.15                   | 20.3                  |                |                           |
| 806                                                         | ↓                                     |                       |                             |                           | 0                      | 0.33                   | 19.9                  |                |                           |
| 807                                                         | ↓                                     |                       |                             |                           | 0                      | 0.43                   | 19.6                  |                |                           |
| 808                                                         | ↓                                     |                       |                             |                           | 0                      | 0.51                   | 19.4                  |                |                           |

PID

0

0.2

0.2

0.2

0.3

6.3

0.4

0.4

0.1

0.7

1.0

1.3

1.3

1.3

1.4

1.4

0

0.

0.1

0.1

0.1

0.2

0.2

# Gas Sampling Form



|                       |                        |                 |
|-----------------------|------------------------|-----------------|
| Project Number: 51142 | Date:                  | Sampler/s: RH   |
| Site Address: ATP     | Sample Method: Syringe | Weather:        |
| Well ID/Grid Area:    | Wind Strength:         | Wind Direction: |

## Field Measurements

| Time | Location Code<br>(well or grid point) | Flow Rate<br>(L/hour) | Barometric Pressure<br>(mb) | Relative Pressure<br>(mb) | CH <sub>4</sub><br>(%) | CO <sub>2</sub><br>(%) | O <sub>2</sub><br>(%) | Balance<br>(%) | H <sub>2</sub> S<br>(ppm) | φ10 |
|------|---------------------------------------|-----------------------|-----------------------------|---------------------------|------------------------|------------------------|-----------------------|----------------|---------------------------|-----|
| 827  | SU34                                  |                       |                             |                           | 0                      | 0.01                   | 21.1                  |                |                           | 0   |
| 828  | ↓                                     |                       |                             |                           | 0                      | 0.12                   | 20.5                  |                |                           | 0.9 |
| 829  | ↓                                     |                       |                             |                           | 0                      | 0.17                   | 18.6                  |                |                           | 1.5 |
| 830  | ↓                                     |                       |                             |                           | 0                      | 0.28                   | 17.7                  |                |                           | 1.8 |
| 831  | ↓                                     |                       |                             |                           | 0                      | 0.35                   | 17.2                  |                |                           | 1.9 |
| 832  | ↓                                     |                       |                             |                           | 0                      | 0.43                   | 17.0                  |                |                           | 2.1 |
| 845  | SU35                                  |                       |                             |                           | 0                      | 0                      | 21.0                  |                |                           | 0   |
| 846  | ↓                                     |                       |                             |                           | 0                      | 0.02                   | 19.7                  |                |                           | 0.8 |
| 847  | ↓                                     |                       |                             |                           | 0                      | 0.04                   | 18.4                  |                |                           | 1.3 |
| 848  | ↓                                     |                       |                             |                           | 0                      | 0.06                   | 18.0                  |                |                           | 1.6 |
| 849  | ↓                                     |                       |                             |                           | 0                      | 0.07                   | 17.8                  |                |                           | 1.7 |
| 850  | ↓                                     |                       |                             |                           | 0                      | 0.07                   | 17.7                  |                |                           | 1.7 |
| 905  | SU36                                  |                       |                             |                           | 0                      | 0.00                   | 0.00                  |                |                           | 0   |
| 906  | ↓                                     |                       |                             |                           | 0                      | 0.07                   | 0.07                  |                |                           | 0.8 |
| 907  | ↓                                     |                       |                             |                           | 0                      | 0.10                   | 0.10                  |                |                           | 1.2 |
| 908  | ↓                                     |                       |                             |                           | 0                      | 0.12                   | 0.12                  |                |                           | 1.7 |
| 909  | ↓                                     |                       |                             |                           | 0                      | 0.17                   | 0.17                  |                |                           | 1.8 |
| 910  | ↓                                     |                       |                             |                           | 0                      | 0.20                   | 0.20                  |                |                           | 1.9 |

Comments (Odour, Wind, Grass Moisture, Well Condition etc):

# Gas Calibration Certificate

Instrument **MX6**  
 Serial No. **150501Z-014**  
 Sensors **O2, LEL, CO2**



**airmet**

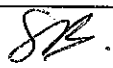
Air-Met Scientific Pty Ltd  
 1300 137 067

| Item          | Test                 | Pass | Comments |        |       |      |
|---------------|----------------------|------|----------|--------|-------|------|
| Battery       | Charge Condition     | ✓    |          |        |       |      |
|               | Fuses                | ✓    |          |        |       |      |
|               | Capacity             | ✓    |          |        |       |      |
|               | Recharge OK?         | ✓    |          |        |       |      |
| Switch/keypad | Operation            | ✓    |          |        |       |      |
| Display       | Intensity            | ✓    |          |        |       |      |
|               | Operation (segments) | ✓    |          |        |       |      |
| Grill Filter  | Condition            | ✓    |          |        |       |      |
|               | Seal                 | ✓    |          |        |       |      |
| Pump          | Operation            | ✓    |          |        |       |      |
|               | Filter               | ✓    |          |        |       |      |
|               | Flow                 | ✓    |          |        |       |      |
|               | Valves, Diaphragm    | ✓    |          |        |       |      |
| PCB           | Condition            | ✓    |          |        |       |      |
| Connectors    | Condition            | ✓    |          |        |       |      |
| Sensor        | O2                   | ✓    | Low      | High   | TWA   | STEL |
|               |                      |      | 19.50%   | 23.50% | N/A   | N/A  |
|               |                      |      | 5.00%    | 10.00% | N/A   | N/A  |
|               |                      |      | 3.00%    | 3.00%  | 1.20% | 3%   |
| Alarms        | Beeper               | ✓    |          |        |       |      |
|               | Settings             | ✓    |          |        |       |      |
| Software      | Version              |      |          |        |       |      |
| Datalogger    | Operation            |      |          |        |       |      |
| Download      | Operation            |      |          |        |       |      |
| Other tests:  |                      |      |          |        |       |      |

## Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

| Diffusion mode |           | Aspirated mode                    |           |               |                    |
|----------------|-----------|-----------------------------------|-----------|---------------|--------------------|
| Sensor         | Serial no | Calibration gas and concentration | Certified | Gas bottle No | Instrument Reading |
| O2             |           | 20.9% O2                          |           | Fresh Air     | 20.90%             |
| LEL            |           | 50% LEL Methane                   | NIST      | SY112         | 49% LEL            |
| CO2            |           | 0.25% CO2                         | NATA      | SY53          | 0.25% CO2          |
|                |           |                                   |           |               |                    |
|                |           |                                   |           |               |                    |

Calibrated by: 

Sophie Boler

Calibration date: 3/05/2016

Next calibration due: 30/10/2016

# Field Equipment Calibration and Decontamination



|               |          |              |          |
|---------------|----------|--------------|----------|
| PROJECT NAME: | 51142    | PROJECT NO:  | ATP      |
| FIELD DATES:  | 4-5/5/16 | FIELD STAFF: | RH EH LB |

|                            |                 |
|----------------------------|-----------------|
| <b>CALIBRATION SUMMARY</b> |                 |
| EQUIPMENT:                 | PID             |
| CALIBRATION STANDARD:      | Isobutylene 100 |

| DATE   | TIME | READING (ppm <sub>v</sub> ) | COMMENTS       |
|--------|------|-----------------------------|----------------|
| 4/5/16 | 6:56 | 100.0                       | Calibration OK |
| 5/5/16 | 6:41 | 99.8                        | //             |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |
|        |      |                             |                |

|                                                                                                                                                                  |                                  |        |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------|-------------------------------------|
| <b>DECONTAMINATION SUMMARY</b>                                                                                                                                   |                                  |        |                                     |
| EQUIPMENT:                                                                                                                                                       | NA                               |        |                                     |
|                                                                                                                                                                  |                                  |        |                                     |
|                                                                                                                                                                  |                                  |        |                                     |
| 1. Was the equipment decontaminated appropriately prior to sampling at each location?                                                                            | <input checked="" type="radio"/> | N      | NA                                  |
| 2. Was excess soil removed by scraping, brushing or wiping with disposable towels?                                                                               | <input checked="" type="radio"/> | N      | NA                                  |
| 3. Was the equipment contaminated with grease, tar or similar material?<br>If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane? | Y<br>Y                           | N<br>N | <input checked="" type="radio"/> NA |
| 4. Was phosphate-free detergent used to wash the equipment?                                                                                                      | <input checked="" type="radio"/> | N      | NA                                  |
| 5. Was the equipment rinsed with clean water?                                                                                                                    | <input checked="" type="radio"/> | N      | NA                                  |
| 6. Was the equipment then rinsed with deionised water?                                                                                                           | <input checked="" type="radio"/> | N      | NA                                  |
| 7. Were all sample containers cleaned and acid or solvent washed prior to sample collection?                                                                     | <input checked="" type="radio"/> | N      | NA                                  |
| <b>WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS.</b>                                                                                   |                                  |        |                                     |
| Fresh pair of nitrile gloves used to handle sample containers                                                                                                    |                                  |        |                                     |

# PID Calibration Certificate

Instrument      PhoCheck Tiger  
Serial No.      T-105427



Air-Met Scientific Pty Ltd  
1300 137 067

| Item          | Test                 | Pass | Comments |        |     |      |
|---------------|----------------------|------|----------|--------|-----|------|
| Battery       | Charge Condition     | ✓    |          |        |     |      |
|               | Fuses                | ✓    |          |        |     |      |
|               | Capacity             | ✓    |          |        |     |      |
|               | Recharge OK?         | ✓    |          |        |     |      |
| Switch/keypad | Operation            | ✓    |          |        |     |      |
| Display       | Intensity            | ✓    |          |        |     |      |
|               | Operation (segments) | ✓    |          |        |     |      |
| Grill Filter  | Condition            | ✓    |          |        |     |      |
|               | Seal                 | ✓    |          |        |     |      |
| Pump          | Operation            | ✓    |          |        |     |      |
|               | Filter               | ✓    |          |        |     |      |
|               | Flow                 | ✓    |          |        |     |      |
|               | Valves, Diaphragm    | ✓    |          |        |     |      |
| PCB           | Condition            | ✓    |          |        |     |      |
| Connectors    | Condition            | ✓    |          |        |     |      |
| Sensor        | PID                  | ✓    | 10.6 ev  |        |     |      |
| Alarms        | Beeper               | ✓    | Low      | High   | TWA | STEL |
|               | Settings             | ✓    | 50ppm    | 100ppm | N/A | N/A  |
| Software      | Version              | ✓    |          |        |     |      |
| Data logger   | Operation            | ✓    |          |        |     |      |
| Download      | Operation            | ✓    |          |        |     |      |
| Other tests:  |                      |      |          |        |     |      |

## Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

| Sensor   | Serial no | Calibration gas and concentration | Certified | Gas bottle No |  | Instrument Reading |
|----------|-----------|-----------------------------------|-----------|---------------|--|--------------------|
| PID Lamp |           | 100ppm Isobutylene                | NIST      | 90098585      |  | 100.6ppm           |

Calibrated by:

Joanna Wong

Calibration date:

18/05/2016

Next calibration due:

17/06/2016



# Gas Calibration Certificate



Instrument MX6  
Serial No. 130315W-027  
Sensors O2 , LEL, CO2

Air-Met Scientific Pty Ltd  
1300 137 067

| Item          | Test                 | Pass | Comments |       |      |      |
|---------------|----------------------|------|----------|-------|------|------|
| Battery       | Charge Condition     | ✓    |          |       |      |      |
|               | Fuses                | ✓    |          |       |      |      |
|               | Capacity             | ✓    |          |       |      |      |
|               | Recharge OK?         | ✓    |          |       |      |      |
| Switch/keypad | Operation            | ✓    |          |       |      |      |
| Display       | Intensity            | ✓    |          |       |      |      |
|               | Operation (segments) | ✓    |          |       |      |      |
| Grill Filter  | Condition            | ✓    |          |       |      |      |
|               | Seal                 | ✓    |          |       |      |      |
| Pump          | Operation            | ✓    |          |       |      |      |
|               | Filter               | ✓    |          |       |      |      |
|               | Flow                 | ✓    |          |       |      |      |
|               | Valves, Diaphragm    | ✓    |          |       |      |      |
| PCB           | Condition            | ✓    |          |       |      |      |
| Connectors    | Condition            | ✓    |          |       |      |      |
| Sensor        |                      |      | Low      | High  | TWA  | STEL |
|               | O2                   | ✓    | 19.5%    | 23.5% | N/A  | N/A  |
|               | LEL                  | ✓    | 5.0%     | 10.0% | N/A  | N/A  |
|               | CO2                  | ✓    | 0.5%     | 1.0%  | 0.5% | 3.0% |
| Alarms        | Beeper               | ✓    |          |       |      |      |
|               | Settings             | ✓    |          |       |      |      |
| Software      | Version              |      |          |       |      |      |
| Datalogger    | Operation            |      |          |       |      |      |
| Download      | Operation            |      |          |       |      |      |
| Other tests:  |                      |      |          |       |      |      |

## Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Diffusion mode Aspirated mode

| Sensor | Serial no | Calibration gas and concentration | Certified | Gas bottle No | Instrument Reading |
|--------|-----------|-----------------------------------|-----------|---------------|--------------------|
| O2     |           | 20.9% O2                          |           | Fresh air     | 20.90%             |
| LEL    |           | 50% LEL Methane                   | NIST      | SY112         | 50% LEL Methane    |
| CO2    |           | 0.25% CO2                         | NATA      | SY53          | 0.25%              |
|        |           |                                   |           |               |                    |
|        |           |                                   |           |               |                    |

Calibrated by:

*SB*

Sophie Boler

Calibration date: 18/05/2016

Next calibration due: 14/11/2016

## **Attachment 5 - Laboratory Certificates of Analysis**

07501

## CHAIN OF CUSTODY



|                                                                                                                    |  |  |  |  |                       |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------|--|--|--|--|-----------------------|--|--|--|--|
| PROJECT NO.: 51142                                                                                                 |  |  |  |  | LABORATORY BATCH NO.: |  |  |  |  |
| PROJECT NAME: ATP                                                                                                  |  |  |  |  | SAMPLERS: EH, LB, RH, |  |  |  |  |
| DATE NEEDED BY: Sketched TAT                                                                                       |  |  |  |  | QC LEVEL: NEPM (2013) |  |  |  |  |
| PHONE: Sydney: 02 8245 0300   Perth: 08 9488 0100   Brisbane: 07 3112 2688                                         |  |  |  |  |                       |  |  |  |  |
| SEND REPORT & INVOICE TO: (1) adminnsw@bsg.com.au; (2) N. Cullen @bsg.com.au; (3) E. Hawley @bsg.com.au R. Hammond |  |  |  |  |                       |  |  |  |  |
| COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:                                                                 |  |  |  |  |                       |  |  |  |  |

| SAMPLE ID | MATRIX | DATE | TIME | TYPE & PRESERVATIVE | pH | VOCs | isopropyl | TYPE OF ASBESTOS ANALYSIS |         | NOTES: |
|-----------|--------|------|------|---------------------|----|------|-----------|---------------------------|---------|--------|
|           |        |      |      |                     |    |      |           | IDENTIFICATION            | NEPM/NA |        |
| SV01      | ✓ Air  | 4.5  |      | Carbon tube         |    | X    | X         |                           |         |        |
| SV02      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV03      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV04      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV05      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV06      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV07      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV08      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV09      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV10      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV11      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV12      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV13      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV14      | ✓      |      |      |                     |    | X    | X         |                           |         |        |
| SV15      | ✓      | ↓    |      |                     |    | X    | X         |                           |         |        |
| SV16      | ✓      | 5.5  |      |                     |    | X    | X         |                           |         |        |
| SV17      | ✓      | ↓    |      |                     |    | X    | X         |                           |         |        |
| SV18      | ✓      | ↓    |      |                     |    | X    | X         |                           |         |        |
| SV19      | ✓      | ↓    |      |                     |    | X    | X         |                           |         |        |

|                   |              |                      |  |                |               |                                                           |  |
|-------------------|--------------|----------------------|--|----------------|---------------|-----------------------------------------------------------|--|
| RELINQUISHED BY:  |              | METHOD OF SHIPMENT:  |  | RECEIVED BY:   |               | FOR RECEIVING LAB USE ONLY:                               |  |
| NAME: [Signature] | DATE: 6.5.16 | CONSIGNMENT NOTE NO. |  | NAME: Sean     | DATE: 12.1.18 | COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... |  |
| OF: JBS&G         |              | TRANSPORT CO.        |  | OF: 6/5 EF/MGT |               | COOLER TEMP ..... deg C                                   |  |
| NAME:             | DATE:        | CONSIGNMENT NOTE NO. |  | NAME:          | DATE:         | COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... |  |
| OF:               |              | TRANSPORT CO.        |  | OF:            |               | COOLER TEMP ..... deg C                                   |  |

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

07502

## CHAIN OF CUSTODY

[illegible]

## Sample Receipt Advice

Company name: **JBS & G Australia (NSW & WA) P/L**  
Contact name: **Nathan Cussen**  
Project name: **ATP**  
Project ID: **51142**  
COC number: **Not provided**  
Turn around time: **5 Day**  
Date/Time received: **May 6, 2016 12:48 PM**  
Eurofins | mgt reference: **499538**

### Sample information

- ☒ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ☒ Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt  
Sample Receipt : 24 degrees Celsius.
- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ Attempt to chill was evident.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ☒ Appropriate sample containers have been used.
- ☒ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

### Contact notes

If you have any questions with respect to these samples please contact:

Nibha Vaidya on Phone : +61 (2) 9900 8400 or by e.mail: NibhaVaidya@eurofins.com

Results will be delivered electronically via e.mail to Nathan Cussen - ncussen@jbsg.com.au.



eurofins

mgt

Melbourne  
2/5 Kingston Town Close  
Oakleigh VIC 3166  
Phone: +61 3 9564 5000  
NATA # 1261  
Site # 1254 & 14271

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 51142

**Order No.:**  
**Report #:** 499538  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** May 6, 2016 12:48 PM  
**Due:** May 13, 2016  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail

Isopropanol\*

VOC AIR-8260

Melbourne Laboratory - NATA Site # 1254 & 14271

Sydney Laboratory - NATA Site # 18217

Brisbane Laboratory - NATA Site # 20794

Internal Laboratory

| o | Sample ID  | Sample Date  | Sampling Time | Matrix | LAB ID      |   |   |
|---|------------|--------------|---------------|--------|-------------|---|---|
|   | SV01_FRONT | May 04, 2016 |               | Air    | S16-My06798 | X | X |
|   | SV01_BACK  | May 04, 2016 |               | Air    | S16-My06799 | X | X |
|   | SV02_FRONT | May 04, 2016 |               | Air    | S16-My06800 | X | X |
|   | SV02_BACK  | May 04, 2016 |               | Air    | S16-My06801 | X | X |
|   | SV03_FRONT | May 04, 2016 |               | Air    | S16-My06802 | X | X |
|   | SV03_BACK  | May 04, 2016 |               | Air    | S16-My06803 | X | X |
|   | SV04_FRONT | May 04, 2016 |               | Air    | S16-My06804 | X | X |
|   | SV04_BACK  | May 04, 2016 |               | Air    | S16-My06805 | X | X |
|   | SV05_FRONT | May 04, 2016 |               | Air    | S16-My06806 | X | X |
|   | SV05_BACK  | May 04, 2016 |               | Air    | S16-My06807 | X | X |



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Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail

Isopropanol\*

VOC AIR-8260

|                                                 |              |  |     |             |   |   |   |
|-------------------------------------------------|--------------|--|-----|-------------|---|---|---|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |     |             |   | X | X |
| Sydney Laboratory - NATA Site # 18217           |              |  |     |             |   |   |   |
| Brisbane Laboratory - NATA Site # 20794         |              |  |     |             |   |   |   |
| Internal Laboratory                             |              |  |     |             |   |   |   |
| SV06 FRONT                                      | May 04, 2016 |  | Air | S16-My06808 | X | X |   |
| SV06 BACK                                       | May 04, 2016 |  | Air | S16-My06809 | X | X |   |
| SV07 FRONT                                      | May 04, 2016 |  | Air | S16-My06810 | X | X |   |
| SV07 BACK                                       | May 04, 2016 |  | Air | S16-My06811 | X | X |   |
| SV08 FRONT                                      | May 04, 2016 |  | Air | S16-My06812 | X | X |   |
| SV08 BACK                                       | May 04, 2016 |  | Air | S16-My06813 | X | X |   |
| SV09 FRONT                                      | May 04, 2016 |  | Air | S16-My06814 | X | X |   |
| SV09 BACK                                       | May 04, 2016 |  | Air | S16-My06815 | X | X |   |
| SV10 FRONT                                      | May 04, 2016 |  | Air | S16-My06816 | X | X |   |
| SV10 BACK                                       | May 04, 2016 |  | Air | S16-My06817 | X | X |   |
| SV11 FRONT                                      | May 04, 2016 |  | Air | S16-My06818 | X | X |   |

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**Eurofins | mgt Analytical Services Manager : Nibha Vaidya**

Sample Detail

Isopropanol\*

VOC AIR-8260

|                                                 |       |              |  |     |             |   |   |
|-------------------------------------------------|-------|--------------|--|-----|-------------|---|---|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |       |              |  |     |             | X | X |
| Sydney Laboratory - NATA Site # 18217           |       |              |  |     |             |   |   |
| Brisbane Laboratory - NATA Site # 20794         |       |              |  |     |             |   |   |
| Internal Laboratory                             |       |              |  |     |             |   |   |
| SV11                                            | BACK  | May 04, 2016 |  | Air | S16-My06819 | X | X |
| SV12                                            | FRONT | May 04, 2016 |  | Air | S16-My06820 | X | X |
| SV12                                            | BACK  | May 04, 2016 |  | Air | S16-My06821 | X | X |
| SV13                                            | FRONT | May 04, 2016 |  | Air | S16-My06822 | X | X |
| SV13                                            | BACK  | May 04, 2016 |  | Air | S16-My06823 | X | X |
| SV14                                            | FRONT | May 04, 2016 |  | Air | S16-My06824 | X | X |
| SV14                                            | BACK  | May 04, 2016 |  | Air | S16-My06825 | X | X |
| SV15                                            | FRONT | May 04, 2016 |  | Air | S16-My06826 | X | X |
| SV15                                            | BACK  | May 04, 2016 |  | Air | S16-My06827 | X | X |
| SV16                                            | FRONT | May 05, 2016 |  | Air | S16-My06828 | X | X |
| SV16                                            | BACK  | May 05, 2016 |  | Air | S16-My06829 | X | X |

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Sample Detail

Isopropanol\*

VOC AIR-8260

|                                                 |       |              |  |     |             |   |   |
|-------------------------------------------------|-------|--------------|--|-----|-------------|---|---|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |       |              |  |     |             | X | X |
| Sydney Laboratory - NATA Site # 18217           |       |              |  |     |             |   |   |
| Brisbane Laboratory - NATA Site # 20794         |       |              |  |     |             |   |   |
| Internal Laboratory                             |       |              |  |     |             |   |   |
| SV17                                            | FRONT | May 05, 2016 |  | Air | S16-My06830 | X | X |
| SV17                                            | BACK  | May 05, 2016 |  | Air | S16-My06831 | X | X |
| SV18                                            | FRONT | May 05, 2016 |  | Air | S16-My06832 | X | X |
| SV18                                            | BACK  | May 05, 2016 |  | Air | S16-My06833 | X | X |
| SV19                                            | FRONT | May 05, 2016 |  | Air | S16-My06834 | X | X |
| SV19                                            | BACK  | May 05, 2016 |  | Air | S16-My06835 | X | X |
| SV20                                            | FRONT | May 05, 2016 |  | Air | S16-My06836 | X | X |
| SV20                                            | BACK  | May 05, 2016 |  | Air | S16-My06837 | X | X |
| SV21                                            | FRONT | May 05, 2016 |  | Air | S16-My06838 | X | X |
| SV21                                            | BACK  | May 05, 2016 |  | Air | S16-My06839 | X | X |
| SV22                                            | FRONT | May 05, 2016 |  | Air | S16-My06840 | X | X |

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Sample Detail

Isopropanol\*

VOC AIR-8260

|                                                 |       |              |  |     |             |   |   |
|-------------------------------------------------|-------|--------------|--|-----|-------------|---|---|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |       |              |  |     |             | X | X |
| Sydney Laboratory - NATA Site # 18217           |       |              |  |     |             |   |   |
| Brisbane Laboratory - NATA Site # 20794         |       |              |  |     |             |   |   |
| Internal Laboratory                             |       |              |  |     |             |   |   |
| SV22                                            | BACK  | May 05, 2016 |  | Air | S16-My06841 | X | X |
| SV23                                            | FRONT | May 05, 2016 |  | Air | S16-My06842 | X | X |
| SV23                                            | BACK  | May 05, 2016 |  | Air | S16-My06843 | X | X |
| SV24                                            | FRONT | May 05, 2016 |  | Air | S16-My06844 | X | X |
| SV24                                            | BACK  | May 05, 2016 |  | Air | S16-My06845 | X | X |
| SV25                                            | FRONT | May 05, 2016 |  | Air | S16-My06846 | X | X |
| SV25                                            | BACK  | May 05, 2016 |  | Air | S16-My06847 | X | X |
| SV26                                            | FRONT | May 05, 2016 |  | Air | S16-My06848 | X | X |
| SV26                                            | BACK  | May 05, 2016 |  | Air | S16-My06849 | X | X |
| SV27                                            | FRONT | May 05, 2016 |  | Air | S16-My06850 | X | X |
| SV27                                            | BACK  | May 05, 2016 |  | Air | S16-My06851 | X | X |



eurofins

mgt

Melbourne  
2/5 Kingston Town Close  
Oakleigh VIC 3166  
Phone: +61 3 9564 5000  
NATA # 1261  
Site # 1254 & 14271

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 51142

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Sample Detail

Isopropanol\*

VOC AIR-8260

Melbourne Laboratory - NATA Site # 1254 & 14271

X X

Sydney Laboratory - NATA Site # 18217

Brisbane Laboratory - NATA Site # 20794

Internal Laboratory

|            |              |  |     |             |   |   |
|------------|--------------|--|-----|-------------|---|---|
| QCO1_FRON  | May 04, 2016 |  | Air | S16-My06852 | X | X |
| QCO1_BACK  | May 04, 2016 |  | Air | S16-My06853 | X | X |
| QCO2_FRON  | May 05, 2016 |  | Air | S16-My06854 | X | X |
| QCO2_BACK  | May 05, 2016 |  | Air | S16-My06855 | X | X |
| BLANK_FRON | May 05, 2016 |  | Air | S16-My06856 | X | X |
| BLANK_BACK | May 05, 2016 |  | Air | S16-My06857 | X | X |

Test Counts 60 60

# Certificate of Analysis

**JBS & G Australia (NSW & WA) P/L**  
**Level 1, 50 Margaret St**  
**Sydney**  
**NSW 2000**



**NATA Accredited**  
**Accreditation Number 1261**  
**Site Number 18217**

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.

**Attention:** **Nathan Cussen**

**Report** **499538-A**  
Project name ATP  
Project ID 51142  
Received Date May 06, 2016

| Client Sample ID            |     |          | SV01_FRONT   | SV01_BACK    | SV02_FRONT   | SV02_BACK    |
|-----------------------------|-----|----------|--------------|--------------|--------------|--------------|
| Sample Matrix               |     |          | Air          | Air          | Air          | Air          |
| Eurofins   mgt Sample No.   |     |          | S16-My06798  | S16-My06799  | S16-My06800  | S16-My06801  |
| Date Sampled                |     |          | May 04, 2016 | May 04, 2016 | May 04, 2016 | May 04, 2016 |
| Test/Reference              | LOR | Unit     |              |              |              |              |
| Isopropanol*                | 10  | Total ug | < 10         | < 10         | < 10         | < 10         |
| <b>VOC AIR-8260</b>         |     |          |              |              |              |              |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | 0.5          | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzene                     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromochloromethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromoform                   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Carbon Tetrachloride        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chlorobenzene               | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chloroform                  | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| cis-1.2-Dichloroethene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| cis-1.3-Dichloropropene     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibromochloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibromomethane              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Ethylbenzene                | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Isopropyl benzene (Cumene)  | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| n-Butylbenzene              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| n-Propylbenzene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |



| Client Sample ID          |     |          | SV01_FRONT   | SV01_BACK    | SV02_FRONT   | SV02_BACK    |
|---------------------------|-----|----------|--------------|--------------|--------------|--------------|
| Sample Matrix             |     |          | Air          | Air          | Air          | Air          |
| Eurofins   mgt Sample No. |     |          | S16-My06798  | S16-My06799  | S16-My06800  | S16-My06801  |
| Date Sampled              |     |          | May 04, 2016 | May 04, 2016 | May 04, 2016 | May 04, 2016 |
| Test/Reference            | LOR | Unit     |              |              |              |              |
| <b>VOC AIR-8260</b>       |     |          |              |              |              |              |
| p-Isopropyltoluene        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| sec-Butylbenzene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Styrene                   | 5   | Total ug | < 5          | < 5          | < 5          | < 5          |
| tert-Butylbenzene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Tetrachloroethene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Toluene                   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| trans-1.3-Dichloropropene | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Trichloroethene           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Trichlorofluoromethane    | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Vinyl chloride            | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Xylenes - Total           | 1.5 | Total ug | < 1.5        | < 1.5        | < 1.5        | < 1.5        |
| Naphthalene               | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichlorobenzene       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichlorobenzene    | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.4-Trichlorobenzene    | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3-Dichlorobenzene       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.4-Dichlorobenzene       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Hexachlorobutadiene       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |

| Client Sample ID            |     |          | SV03_FRONT   | SV03_BACK    | SV04_FRONT   | SV04_BACK    |
|-----------------------------|-----|----------|--------------|--------------|--------------|--------------|
| Sample Matrix               |     |          | Air          | Air          | Air          | Air          |
| Eurofins   mgt Sample No.   |     |          | S16-My06802  | S16-My06803  | S16-My06804  | S16-My06805  |
| Date Sampled                |     |          | May 04, 2016 | May 04, 2016 | May 04, 2016 | May 04, 2016 |
| Test/Reference              | LOR | Unit     |              |              |              |              |
|                             |     |          |              |              |              |              |
| Isopropanol*                | 10  | Total ug | < 10         | < 10         | < 10         | < 10         |
| <b>VOC AIR-8260</b>         |     |          |              |              |              |              |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzene                     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromochloromethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |

| Client Sample ID           |     |          | SV03_FRONT<br>Air | SV03_BACK<br>Air | SV04_FRONT<br>Air | SV04_BACK<br>Air |
|----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix              |     |          | S16-My06802       | S16-My06803      | S16-My06804       | S16-My06805      |
| Eurofins   mgt Sample No.  |     |          | May 04, 2016      | May 04, 2016     | May 04, 2016      | May 04, 2016     |
| Date Sampled               |     |          |                   |                  |                   |                  |
| Test/Reference             | LOR | Unit     |                   |                  |                   |                  |
| <b>VOC AIR-8260</b>        |     |          |                   |                  |                   |                  |
| Bromoform                  | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Carbon Tetrachloride       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Chlorobenzene              | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Chloroform                 | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| cis-1.2-Dichloroethene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| cis-1.3-Dichloropropene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Dibromochloromethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Dibromomethane             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Ethylbenzene               | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Isopropyl benzene (Cumene) | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| n-Butylbenzene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| n-Propylbenzene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| p-Isopropyltoluene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| sec-Butylbenzene           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Styrene                    | 5   | Total ug | < 5               | < 5              | < 5               | < 5              |
| tert-Butylbenzene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Tetrachloroethene          | 0.5 | Total ug | 2.0               | < 0.5            | < 0.5             | < 0.5            |
| Toluene                    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| trans-1.3-Dichloropropene  | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichloroethene            | 0.5 | Total ug | 1.1               | < 0.5            | < 0.5             | < 0.5            |
| Trichlorofluoromethane     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Vinyl chloride             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Xylenes - Total            | 1.5 | Total ug | < 1.5             | < 1.5            | < 1.5             | < 1.5            |
| Naphthalene                | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichlorobenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trichlorobenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.4-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Hexachlorobutadiene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID            |     |          | SV05_FRONT<br>Air | SV05_BACK<br>Air | SV06_FRONT<br>Air | SV06_BACK<br>Air |
|-----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix               |     |          | S16-My06806       | S16-My06807      | S16-My06808       | S16-My06809      |
| Eurofins   mgt Sample No.   |     |          | May 04, 2016      | May 04, 2016     | May 04, 2016      | May 04, 2016     |
| Date Sampled                |     |          |                   |                  |                   |                  |
| Test/Reference              | LOR | Unit     |                   |                  |                   |                  |
|                             |     |          |                   |                  |                   |                  |
| Isopropanol*                | 10  | Total ug | < 10              | < 10             | < 10              | < 10             |
| <b>VOC AIR-8260</b>         |     |          |                   |                  |                   |                  |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | SV05_FRONT<br>Air<br>S16-My06806<br>May 04, 2016 | SV05_BACK<br>Air<br>S16-My06807<br>May 04, 2016 | SV06_FRONT<br>Air<br>S16-My06808<br>May 04, 2016 | SV06_BACK<br>Air<br>S16-My06809<br>May 04, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| <b>VOC AIR-8260</b>                                                                              |     |          |                                                  |                                                 |                                                  |                                                 |
| 1.2-Dichloroethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.3-Trichloropropane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3.5-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2.2-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 4-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Benzene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromochloromethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromodichloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromoform                                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Carbon Tetrachloride                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chlorobenzene                                                                                    | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chloroform                                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.2-Dichloroethene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.3-Dichloropropene                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromochloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromomethane                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Ethylbenzene                                                                                     | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Isopropyl benzene (Cumene)                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Butylbenzene                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Propylbenzene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| p-Isopropyltoluene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| sec-Butylbenzene                                                                                 | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Styrene                                                                                          | 5   | Total ug | < 5                                              | < 5                                             | < 5                                              | < 5                                             |
| tert-Butylbenzene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Tetrachloroethene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Toluene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| trans-1.3-Dichloropropene                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichloroethene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichlorofluoromethane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Vinyl chloride                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Xylenes - Total                                                                                  | 1.5 | Total ug | < 1.5                                            | < 1.5                                           | < 1.5                                            | < 1.5                                           |
| Naphthalene                                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.3-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.4-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Hexachlorobutadiene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |

| Client Sample ID            |     |          | SV07_FRONT   | SV07_BACK    | SV08_FRONT   | SV08_BACK    |
|-----------------------------|-----|----------|--------------|--------------|--------------|--------------|
| Sample Matrix               |     |          | Air          | Air          | Air          | Air          |
| Eurofins   mgt Sample No.   |     |          | S16-My06810  | S16-My06811  | S16-My06812  | S16-My06813  |
| Date Sampled                |     |          | May 04, 2016 | May 04, 2016 | May 04, 2016 | May 04, 2016 |
| Test/Reference              | LOR | Unit     |              |              |              |              |
| Isopropanol*                | 10  | Total ug | < 10         | < 10         | < 10         | < 10         |
| <b>VOC AIR-8260</b>         |     |          |              |              |              |              |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | 6.6          | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzene                     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromochloromethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromoform                   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Carbon Tetrachloride        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chlorobenzene               | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chloroform                  | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| cis-1.2-Dichloroethene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| cis-1.3-Dichloropropene     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibromochloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibromomethane              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Ethylbenzene                | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Isopropyl benzene (Cumene)  | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| n-Butylbenzene              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| n-Propylbenzene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| p-Isopropyltoluene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| sec-Butylbenzene            | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Styrene                     | 5   | Total ug | < 5          | < 5          | < 5          | < 5          |
| tert-Butylbenzene           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Tetrachloroethene           | 0.5 | Total ug | 4.6          | < 0.5        | < 0.5        | < 0.5        |
| Toluene                     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| trans-1.3-Dichloropropene   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Trichloroethene             | 0.5 | Total ug | 3.0          | < 0.5        | < 0.5        | < 0.5        |
| Trichlorofluoromethane      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Vinyl chloride              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Xylenes - Total             | 1.5 | Total ug | < 1.5        | < 1.5        | < 1.5        | < 1.5        |
| Naphthalene                 | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichlorobenzene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichlorobenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |

|                                  |     |          |                     |                     |                     |                     |
|----------------------------------|-----|----------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |     |          | <b>SV07_FRONT</b>   | <b>SV07_BACK</b>    | <b>SV08_FRONT</b>   | <b>SV08_BACK</b>    |
| <b>Sample Matrix</b>             |     |          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          |
| <b>Eurofins   mgt Sample No.</b> |     |          | <b>S16-My06810</b>  | <b>S16-My06811</b>  | <b>S16-My06812</b>  | <b>S16-My06813</b>  |
| <b>Date Sampled</b>              |     |          | <b>May 04, 2016</b> | <b>May 04, 2016</b> | <b>May 04, 2016</b> | <b>May 04, 2016</b> |
| Test/Reference                   | LOR | Unit     |                     |                     |                     |                     |
| <b>VOC AIR-8260</b>              |     |          |                     |                     |                     |                     |
| 1.2.4-Trichlorobenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.3-Dichlorobenzene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.4-Dichlorobenzene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Hexachlorobutadiene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |

|                                  |     |          |                     |                     |                     |                     |
|----------------------------------|-----|----------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |     |          | <b>SV09_FRONT</b>   | <b>SV09_BACK</b>    | <b>SV10_FRONT</b>   | <b>SV10_BACK</b>    |
| <b>Sample Matrix</b>             |     |          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          |
| <b>Eurofins   mgt Sample No.</b> |     |          | <b>S16-My06814</b>  | <b>S16-My06815</b>  | <b>S16-My06816</b>  | <b>S16-My06817</b>  |
| <b>Date Sampled</b>              |     |          | <b>May 04, 2016</b> | <b>May 04, 2016</b> | <b>May 04, 2016</b> | <b>May 04, 2016</b> |
| Test/Reference                   | LOR | Unit     |                     |                     |                     |                     |
|                                  |     |          |                     |                     |                     |                     |
| Isopropanol*                     | 10  | Total ug | < 10                | < 10                | < 10                | < 10                |
| <b>VOC AIR-8260</b>              |     |          |                     |                     |                     |                     |
| 1.1-Dichloroethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1-Dichloroethene               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1-Dichloropropene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.1-Trichloroethane            | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.1.2-Tetrachloroethane        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.2-Trichloroethane            | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.2.2-Tetrachloroethane        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dibromo-3-chloropropane      | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dibromoethane                | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dichloroethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2.3-Trichloropropane           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2.4-Trimethylbenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | 27                  | < 0.5               |
| 1.3-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.3.5-Trimethylbenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | 16                  | < 0.5               |
| 2-Chlorotoluene                  | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 2.2-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 4-Chlorotoluene                  | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Benzene                          | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromochloromethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromodichloromethane             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromoform                        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Carbon Tetrachloride             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Chlorobenzene                    | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Chloroform                       | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| cis-1.2-Dichloroethene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| cis-1.3-Dichloropropene          | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Dibromochloromethane             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Dibromomethane                   | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Ethylbenzene                     | 0.5 | Total ug | < 0.5               | < 0.5               | 4.9                 | < 0.5               |
| Isopropyl benzene (Cumene)       | 0.5 | Total ug | < 0.5               | < 0.5               | 2.6                 | < 0.5               |
| n-Butylbenzene                   | 0.5 | Total ug | < 0.5               | < 0.5               | 2.4                 | < 0.5               |
| n-Propylbenzene                  | 0.5 | Total ug | < 0.5               | < 0.5               | 6.7                 | < 0.5               |
| p-Isopropyltoluene               | 0.5 | Total ug | < 0.5               | < 0.5               | 2.4                 | < 0.5               |
| sec-Butylbenzene                 | 0.5 | Total ug | < 0.5               | < 0.5               | 3.1                 | < 0.5               |

| Client Sample ID          |     |          | SV09_FRONT<br>Air | SV09_BACK<br>Air | SV10_FRONT<br>Air | SV10_BACK<br>Air |
|---------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix             |     |          | S16-My06814       | S16-My06815      | S16-My06816       | S16-My06817      |
| Eurofins   mgt Sample No. |     |          | May 04, 2016      | May 04, 2016     | May 04, 2016      | May 04, 2016     |
| Date Sampled              |     |          |                   |                  |                   |                  |
| Test/Reference            | LOR | Unit     |                   |                  |                   |                  |
| <b>VOC AIR-8260</b>       |     |          |                   |                  |                   |                  |
| Styrene                   | 5   | Total ug | < 5               | < 5              | < 5               | < 5              |
| tert-Butylbenzene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Tetrachloroethene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Toluene                   | 0.5 | Total ug | < 0.5             | < 0.5            | 2.2               | < 0.5            |
| trans-1.3-Dichloropropene | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichloroethene           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichlorofluoromethane    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Vinyl chloride            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Xylenes - Total           | 1.5 | Total ug | < 1.5             | < 1.5            | 34                | < 1.5            |
| Naphthalene               | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichlorobenzene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trichlorobenzene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.4-Dichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Hexachlorobutadiene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID            |     |          | SV11_FRONT<br>Air | SV11_BACK<br>Air | SV12_FRONT<br>Air | SV12_BACK<br>Air |
|-----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix               |     |          | S16-My06818       | S16-My06819      | S16-My06820       | S16-My06821      |
| Eurofins   mgt Sample No.   |     |          | May 04, 2016      | May 04, 2016     | May 04, 2016      | May 04, 2016     |
| Date Sampled                |     |          |                   |                  |                   |                  |
| Test/Reference              | LOR | Unit     |                   |                  |                   |                  |
|                             |     |          |                   |                  |                   |                  |
| Isopropanol*                | 10  | Total ug | < 10              | < 10             | < 10              | < 10             |
| <b>VOC AIR-8260</b>         |     |          |                   |                  |                   |                  |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | 0.7               | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Benzene                     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Bromochloromethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Bromoform                   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Carbon Tetrachloride        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID           |     |          | SV11_FRONT<br>Air | SV11_BACK<br>Air | SV12_FRONT<br>Air | SV12_BACK<br>Air |
|----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix              |     |          | S16-My06818       | S16-My06819      | S16-My06820       | S16-My06821      |
| Eurofins   mgt Sample No.  |     |          | May 04, 2016      | May 04, 2016     | May 04, 2016      | May 04, 2016     |
| Date Sampled               |     |          |                   |                  |                   |                  |
| Test/Reference             | LOR | Unit     |                   |                  |                   |                  |
| <b>VOC AIR-8260</b>        |     |          |                   |                  |                   |                  |
| Chlorobenzene              | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Chloroform                 | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| cis-1.2-Dichloroethene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| cis-1.3-Dichloropropene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Dibromochloromethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Dibromomethane             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Ethylbenzene               | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Isopropyl benzene (Cumene) | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| n-Butylbenzene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| n-Propylbenzene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| p-Isopropyltoluene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| sec-Butylbenzene           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Styrene                    | 5   | Total ug | < 5               | < 5              | < 5               | < 5              |
| tert-Butylbenzene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Tetrachloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Toluene                    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| trans-1.3-Dichloropropene  | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichloroethene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichlorofluoromethane     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Vinyl chloride             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Xylenes - Total            | 1.5 | Total ug | < 1.5             | < 1.5            | < 1.5             | < 1.5            |
| Naphthalene                | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichlorobenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trichlorobenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.4-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Hexachlorobutadiene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID            |     |          | SV13_FRONT<br>Air | SV13_BACK<br>Air | SV14_FRONT<br>Air | SV14_BACK<br>Air |
|-----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix               |     |          | S16-My06822       | S16-My06823      | S16-My06824       | S16-My06825      |
| Eurofins   mgt Sample No.   |     |          | May 04, 2016      | May 04, 2016     | May 04, 2016      | May 04, 2016     |
| Date Sampled                |     |          |                   |                  |                   |                  |
| Test/Reference              | LOR | Unit     |                   |                  |                   |                  |
|                             |     |          |                   |                  |                   |                  |
| Isopropanol*                | 10  | Total ug | < 10              | < 10             | < 10              | < 10             |
| <b>VOC AIR-8260</b>         |     |          |                   |                  |                   |                  |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |



| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | SV13_FRONT<br>Air<br>S16-My06822<br>May 04, 2016 | SV13_BACK<br>Air<br>S16-My06823<br>May 04, 2016 | SV14_FRONT<br>Air<br>S16-My06824<br>May 04, 2016 | SV14_BACK<br>Air<br>S16-My06825<br>May 04, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| <b>VOC AIR-8260</b>                                                                              |     |          |                                                  |                                                 |                                                  |                                                 |
| 1.2.3-Trichloropropane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3.5-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2.2-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 4-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Benzene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromochloromethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromodichloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromoform                                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Carbon Tetrachloride                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chlorobenzene                                                                                    | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chloroform                                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.2-Dichloroethene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.3-Dichloropropene                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromochloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromomethane                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Ethylbenzene                                                                                     | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Isopropyl benzene (Cumene)                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Butylbenzene                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Propylbenzene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| p-Isopropyltoluene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| sec-Butylbenzene                                                                                 | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Styrene                                                                                          | 5   | Total ug | < 5                                              | < 5                                             | < 5                                              | < 5                                             |
| tert-Butylbenzene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Tetrachloroethene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Toluene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| trans-1.3-Dichloropropene                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichloroethene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichlorofluoromethane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Vinyl chloride                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Xylenes - Total                                                                                  | 1.5 | Total ug | < 1.5                                            | < 1.5                                           | < 1.5                                            | < 1.5                                           |
| Naphthalene                                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.3-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.4-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Hexachlorobutadiene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |

| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | SV15_FRONT<br>Air<br>S16-My06826<br>May 04, 2016 | SV15_BACK<br>Air<br>S16-My06827<br>May 04, 2016 | SV16_FRONT<br>Air<br>S16-My06828<br>May 05, 2016 | SV16_BACK<br>Air<br>S16-My06829<br>May 05, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| Isopropanol*                                                                                     | 10  | Total ug | < 10                                             | < 10                                            | < 10                                             | < 10                                            |
| <b>VOC AIR-8260</b>                                                                              |     |          |                                                  |                                                 |                                                  |                                                 |
| 1.1-Dichloroethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1-Dichloroethene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1-Dichloropropene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1.1-Trichloroethane                                                                            | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1.1.2-Tetrachloroethane                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1.2-Trichloroethane                                                                            | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1.2.2-Tetrachloroethane                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dibromo-3-chloropropane                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dibromoethane                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichloroethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.3-Trichloropropane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3.5-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2.2-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 4-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Benzene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromochloromethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromodichloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromoform                                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Carbon Tetrachloride                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chlorobenzene                                                                                    | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chloroform                                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.2-Dichloroethene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.3-Dichloropropene                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromochloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromomethane                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Ethylbenzene                                                                                     | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Isopropyl benzene (Cumene)                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Butylbenzene                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Propylbenzene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| p-Isopropyltoluene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| sec-Butylbenzene                                                                                 | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Styrene                                                                                          | 5   | Total ug | < 5                                              | < 5                                             | < 5                                              | < 5                                             |
| tert-Butylbenzene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Tetrachloroethene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Toluene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| trans-1.3-Dichloropropene                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichloroethene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichlorofluoromethane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Vinyl chloride                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Xylenes - Total                                                                                  | 1.5 | Total ug | < 1.5                                            | < 1.5                                           | < 1.5                                            | < 1.5                                           |
| Naphthalene                                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.3-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |

|                                  |     |          |                     |                     |                     |                     |
|----------------------------------|-----|----------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |     |          | <b>SV15_FRONT</b>   | <b>SV15_BACK</b>    | <b>SV16_FRONT</b>   | <b>SV16_BACK</b>    |
| <b>Sample Matrix</b>             |     |          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          |
| <b>Eurofins   mgt Sample No.</b> |     |          | <b>S16-My06826</b>  | <b>S16-My06827</b>  | <b>S16-My06828</b>  | <b>S16-My06829</b>  |
| <b>Date Sampled</b>              |     |          | <b>May 04, 2016</b> | <b>May 04, 2016</b> | <b>May 05, 2016</b> | <b>May 05, 2016</b> |
| Test/Reference                   | LOR | Unit     |                     |                     |                     |                     |
| <b>VOC AIR-8260</b>              |     |          |                     |                     |                     |                     |
| 1.2.4-Trichlorobenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.3-Dichlorobenzene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.4-Dichlorobenzene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Hexachlorobutadiene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |

|                                  |     |          |                     |                     |                     |                     |
|----------------------------------|-----|----------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |     |          | <b>SV17_FRONT</b>   | <b>SV17_BACK</b>    | <b>SV18_FRONT</b>   | <b>SV18_BACK</b>    |
| <b>Sample Matrix</b>             |     |          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          |
| <b>Eurofins   mgt Sample No.</b> |     |          | <b>S16-My06830</b>  | <b>S16-My06831</b>  | <b>S16-My06832</b>  | <b>S16-My06833</b>  |
| <b>Date Sampled</b>              |     |          | <b>May 05, 2016</b> | <b>May 05, 2016</b> | <b>May 05, 2016</b> | <b>May 05, 2016</b> |
| Test/Reference                   | LOR | Unit     |                     |                     |                     |                     |
|                                  |     |          |                     |                     |                     |                     |
| Isopropanol*                     | 10  | Total ug | < 10                | < 10                | < 10                | < 10                |
| <b>VOC AIR-8260</b>              |     |          |                     |                     |                     |                     |
| 1.1-Dichloroethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1-Dichloroethene               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1-Dichloropropene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.1-Trichloroethane            | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.1.2-Tetrachloroethane        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.2-Trichloroethane            | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.2.2-Tetrachloroethane        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dibromo-3-chloropropane      | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dibromoethane                | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dichloroethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2.3-Trichloropropane           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2.4-Trimethylbenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.3-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.3.5-Trimethylbenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 2-Chlorotoluene                  | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 2.2-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 4-Chlorotoluene                  | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Benzene                          | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromochloromethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromodichloromethane             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromoform                        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Carbon Tetrachloride             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Chlorobenzene                    | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Chloroform                       | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| cis-1.2-Dichloroethene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| cis-1.3-Dichloropropene          | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Dibromochloromethane             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Dibromomethane                   | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Ethylbenzene                     | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Isopropyl benzene (Cumene)       | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| n-Butylbenzene                   | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| n-Propylbenzene                  | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| p-Isopropyltoluene               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| sec-Butylbenzene                 | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |

| Client Sample ID          |     |          | SV17_FRONT<br>Air | SV17_BACK<br>Air | SV18_FRONT<br>Air | SV18_BACK<br>Air |
|---------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix             |     |          | S16-My06830       | S16-My06831      | S16-My06832       | S16-My06833      |
| Eurofins   mgt Sample No. |     |          | May 05, 2016      | May 05, 2016     | May 05, 2016      | May 05, 2016     |
| Date Sampled              |     |          |                   |                  |                   |                  |
| Test/Reference            | LOR | Unit     |                   |                  |                   |                  |
| <b>VOC AIR-8260</b>       |     |          |                   |                  |                   |                  |
| Styrene                   | 5   | Total ug | < 5               | < 5              | < 5               | < 5              |
| tert-Butylbenzene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Tetrachloroethene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Toluene                   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| trans-1.3-Dichloropropene | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichloroethene           | 0.5 | Total ug | 64                | < 0.5            | < 0.5             | < 0.5            |
| Trichlorofluoromethane    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Vinyl chloride            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Xylenes - Total           | 1.5 | Total ug | < 1.5             | < 1.5            | < 1.5             | < 1.5            |
| Naphthalene               | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichlorobenzene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trichlorobenzene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.4-Dichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Hexachlorobutadiene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID            |     |          | SV19_FRONT<br>Air | SV19_BACK<br>Air | SV20_FRONT<br>Air | SV20_BACK<br>Air |
|-----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix               |     |          | S16-My06834       | S16-My06835      | S16-My06836       | S16-My06837      |
| Eurofins   mgt Sample No.   |     |          | May 05, 2016      | May 05, 2016     | May 05, 2016      | May 05, 2016     |
| Date Sampled                |     |          |                   |                  |                   |                  |
| Test/Reference              | LOR | Unit     |                   |                  |                   |                  |
|                             |     |          |                   |                  |                   |                  |
| Isopropanol*                | 10  | Total ug | < 10              | < 10             | < 10              | < 10             |
| <b>VOC AIR-8260</b>         |     |          |                   |                  |                   |                  |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Benzene                     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Bromochloromethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Bromoform                   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Carbon Tetrachloride        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID           |     |          | SV19_FRONT<br>Air | SV19_BACK<br>Air | SV20_FRONT<br>Air | SV20_BACK<br>Air |
|----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix              |     |          | S16-My06834       | S16-My06835      | S16-My06836       | S16-My06837      |
| Eurofins   mgt Sample No.  |     |          | May 05, 2016      | May 05, 2016     | May 05, 2016      | May 05, 2016     |
| Date Sampled               |     |          |                   |                  |                   |                  |
| Test/Reference             | LOR | Unit     |                   |                  |                   |                  |
| <b>VOC AIR-8260</b>        |     |          |                   |                  |                   |                  |
| Chlorobenzene              | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Chloroform                 | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| cis-1.2-Dichloroethene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| cis-1.3-Dichloropropene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Dibromochloromethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Dibromomethane             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Ethylbenzene               | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Isopropyl benzene (Cumene) | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| n-Butylbenzene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| n-Propylbenzene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| p-Isopropyltoluene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| sec-Butylbenzene           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Styrene                    | 5   | Total ug | < 5               | < 5              | < 5               | < 5              |
| tert-Butylbenzene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Tetrachloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Toluene                    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| trans-1.3-Dichloropropene  | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichloroethene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichlorofluoromethane     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Vinyl chloride             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Xylenes - Total            | 1.5 | Total ug | < 1.5             | < 1.5            | < 1.5             | < 1.5            |
| Naphthalene                | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichlorobenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trichlorobenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.4-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Hexachlorobutadiene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID            |     |          | SV21_FRONT<br>Air | SV21_BACK<br>Air | SV22_FRONT<br>Air | SV22_BACK<br>Air |
|-----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix               |     |          | S16-My06838       | S16-My06839      | S16-My06840       | S16-My06841      |
| Eurofins   mgt Sample No.   |     |          | May 05, 2016      | May 05, 2016     | May 05, 2016      | May 05, 2016     |
| Date Sampled                |     |          |                   |                  |                   |                  |
| Test/Reference              | LOR | Unit     |                   |                  |                   |                  |
|                             |     |          |                   |                  |                   |                  |
| Isopropanol*                | 10  | Total ug | < 10              | < 10             | < 10              | < 10             |
| <b>VOC AIR-8260</b>         |     |          |                   |                  |                   |                  |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | SV21_FRONT<br>Air<br>S16-My06838<br>May 05, 2016 | SV21_BACK<br>Air<br>S16-My06839<br>May 05, 2016 | SV22_FRONT<br>Air<br>S16-My06840<br>May 05, 2016 | SV22_BACK<br>Air<br>S16-My06841<br>May 05, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| <b>VOC AIR-8260</b>                                                                              |     |          |                                                  |                                                 |                                                  |                                                 |
| 1.2.3-Trichloropropane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3.5-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2.2-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 4-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Benzene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromochloromethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromodichloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromoform                                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Carbon Tetrachloride                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chlorobenzene                                                                                    | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chloroform                                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.2-Dichloroethene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.3-Dichloropropene                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromochloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromomethane                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Ethylbenzene                                                                                     | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Isopropyl benzene (Cumene)                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Butylbenzene                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Propylbenzene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| p-Isopropyltoluene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| sec-Butylbenzene                                                                                 | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Styrene                                                                                          | 5   | Total ug | < 5                                              | < 5                                             | < 5                                              | < 5                                             |
| tert-Butylbenzene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Tetrachloroethene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | 1.0                                              | < 0.5                                           |
| Toluene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| trans-1.3-Dichloropropene                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichloroethene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichlorofluoromethane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Vinyl chloride                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Xylenes - Total                                                                                  | 1.5 | Total ug | < 1.5                                            | < 1.5                                           | < 1.5                                            | < 1.5                                           |
| Naphthalene                                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.3-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.4-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Hexachlorobutadiene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |

| Client Sample ID            |     |          | SV23_FRONT   | SV23_BACK    | SV24_FRONT   | SV24_BACK    |
|-----------------------------|-----|----------|--------------|--------------|--------------|--------------|
| Sample Matrix               |     |          | Air          | Air          | Air          | Air          |
| Eurofins   mgt Sample No.   |     |          | S16-My06842  | S16-My06843  | S16-My06844  | S16-My06845  |
| Date Sampled                |     |          | May 05, 2016 | May 05, 2016 | May 05, 2016 | May 05, 2016 |
| Test/Reference              | LOR | Unit     |              |              |              |              |
| Isopropanol*                | 10  | Total ug | < 10         | < 10         | < 10         | < 10         |
| <b>VOC AIR-8260</b>         |     |          |              |              |              |              |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzene                     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromochloromethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromoform                   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Carbon Tetrachloride        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chlorobenzene               | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chloroform                  | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| cis-1.2-Dichloroethene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| cis-1.3-Dichloropropene     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibromochloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibromomethane              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Ethylbenzene                | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Isopropyl benzene (Cumene)  | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| n-Butylbenzene              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| n-Propylbenzene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| p-Isopropyltoluene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| sec-Butylbenzene            | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Styrene                     | 5   | Total ug | < 5          | < 5          | < 5          | < 5          |
| tert-Butylbenzene           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Tetrachloroethene           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Toluene                     | 0.5 | Total ug | 0.5          | < 0.5        | 1.5          | < 0.5        |
| trans-1.3-Dichloropropene   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Trichloroethene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Trichlorofluoromethane      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Vinyl chloride              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Xylenes - Total             | 1.5 | Total ug | < 1.5        | < 1.5        | 2.6          | < 1.5        |
| Naphthalene                 | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichlorobenzene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichlorobenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |



|                                  |     |          |                     |                     |                     |                     |
|----------------------------------|-----|----------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |     |          | <b>SV23_FRONT</b>   | <b>SV23_BACK</b>    | <b>SV24_FRONT</b>   | <b>SV24_BACK</b>    |
| <b>Sample Matrix</b>             |     |          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          |
| <b>Eurofins   mgt Sample No.</b> |     |          | <b>S16-My06842</b>  | <b>S16-My06843</b>  | <b>S16-My06844</b>  | <b>S16-My06845</b>  |
| <b>Date Sampled</b>              |     |          | <b>May 05, 2016</b> | <b>May 05, 2016</b> | <b>May 05, 2016</b> | <b>May 05, 2016</b> |
| Test/Reference                   | LOR | Unit     |                     |                     |                     |                     |
| <b>VOC AIR-8260</b>              |     |          |                     |                     |                     |                     |
| 1.2.4-Trichlorobenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.3-Dichlorobenzene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.4-Dichlorobenzene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Hexachlorobutadiene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |

|                                  |     |          |                     |                     |                     |                     |
|----------------------------------|-----|----------|---------------------|---------------------|---------------------|---------------------|
| <b>Client Sample ID</b>          |     |          | <b>SV25_FRONT</b>   | <b>SV25_BACK</b>    | <b>SV26_FRONT</b>   | <b>SV26_BACK</b>    |
| <b>Sample Matrix</b>             |     |          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          | <b>Air</b>          |
| <b>Eurofins   mgt Sample No.</b> |     |          | <b>S16-My06846</b>  | <b>S16-My06847</b>  | <b>S16-My06848</b>  | <b>S16-My06849</b>  |
| <b>Date Sampled</b>              |     |          | <b>May 05, 2016</b> | <b>May 05, 2016</b> | <b>May 05, 2016</b> | <b>May 05, 2016</b> |
| Test/Reference                   | LOR | Unit     |                     |                     |                     |                     |
|                                  |     |          |                     |                     |                     |                     |
| Isopropanol*                     | 10  | Total ug | < 10                | < 10                | < 10                | < 10                |
| <b>VOC AIR-8260</b>              |     |          |                     |                     |                     |                     |
| 1.1-Dichloroethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1-Dichloroethene               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1-Dichloropropene              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.1-Trichloroethane            | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.1.2-Tetrachloroethane        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.2-Trichloroethane            | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.1.2.2-Tetrachloroethane        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dibromo-3-chloropropane      | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dibromoethane                | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dichloroethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2.3-Trichloropropane           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.2.4-Trimethylbenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.3-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 1.3.5-Trimethylbenzene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 2-Chlorotoluene                  | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 2.2-Dichloropropane              | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| 4-Chlorotoluene                  | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Benzene                          | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromochloromethane               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromodichloromethane             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Bromoform                        | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Carbon Tetrachloride             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Chlorobenzene                    | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Chloroform                       | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| cis-1.2-Dichloroethene           | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| cis-1.3-Dichloropropene          | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Dibromochloromethane             | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Dibromomethane                   | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Ethylbenzene                     | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| Isopropyl benzene (Cumene)       | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| n-Butylbenzene                   | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| n-Propylbenzene                  | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| p-Isopropyltoluene               | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |
| sec-Butylbenzene                 | 0.5 | Total ug | < 0.5               | < 0.5               | < 0.5               | < 0.5               |

| Client Sample ID          |     |          | SV25_FRONT   | SV25_BACK    | SV26_FRONT   | SV26_BACK    |
|---------------------------|-----|----------|--------------|--------------|--------------|--------------|
| Sample Matrix             |     |          | Air          | Air          | Air          | Air          |
| Eurofins   mgt Sample No. |     |          | S16-My06846  | S16-My06847  | S16-My06848  | S16-My06849  |
| Date Sampled              |     |          | May 05, 2016 | May 05, 2016 | May 05, 2016 | May 05, 2016 |
| Test/Reference            | LOR | Unit     |              |              |              |              |
| <b>VOC AIR-8260</b>       |     |          |              |              |              |              |
| Styrene                   | 5   | Total ug | < 5          | < 5          | < 5          | < 5          |
| tert-Butylbenzene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Tetrachloroethene         | 0.5 | Total ug | < 0.5        | < 0.5        | 5.5          | < 0.5        |
| Toluene                   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| trans-1.3-Dichloropropene | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Trichloroethene           | 0.5 | Total ug | < 0.5        | < 0.5        | 1.5          | < 0.5        |
| Trichlorofluoromethane    | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Vinyl chloride            | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Xylenes - Total           | 1.5 | Total ug | < 1.5        | < 1.5        | < 1.5        | < 1.5        |
| Naphthalene               | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichlorobenzene       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichlorobenzene    | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.4-Trichlorobenzene    | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3-Dichlorobenzene       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.4-Dichlorobenzene       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Hexachlorobutadiene       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |

| Client Sample ID            |     |          | SV27_FRONT   | SV27_BACK    | QCO1_FRONT   | QCO1_BACK    |
|-----------------------------|-----|----------|--------------|--------------|--------------|--------------|
| Sample Matrix               |     |          | Air          | Air          | Air          | Air          |
| Eurofins   mgt Sample No.   |     |          | S16-My06850  | S16-My06851  | S16-My06852  | S16-My06853  |
| Date Sampled                |     |          | May 05, 2016 | May 05, 2016 | May 04, 2016 | May 04, 2016 |
| Test/Reference              | LOR | Unit     |              |              |              |              |
|                             |     |          |              |              |              |              |
| Isopropanol*                | 10  | Total ug | < 10         | < 10         | < 10         | < 10         |
| <b>VOC AIR-8260</b>         |     |          |              |              |              |              |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzene                     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromochloromethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromoform                   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Carbon Tetrachloride        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |

| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | SV27_FRONT<br>Air<br>S16-My06850<br>May 05, 2016 | SV27_BACK<br>Air<br>S16-My06851<br>May 05, 2016 | QCO1_FRONT<br>Air<br>S16-My06852<br>May 04, 2016 | QCO1_BACK<br>Air<br>S16-My06853<br>May 04, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| <b>VOC AIR-8260</b>                                                                              |     |          |                                                  |                                                 |                                                  |                                                 |
| Chlorobenzene                                                                                    | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chloroform                                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.2-Dichloroethene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.3-Dichloropropene                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromochloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromomethane                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Ethylbenzene                                                                                     | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Isopropyl benzene (Cumene)                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Butylbenzene                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Propylbenzene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| p-Isopropyltoluene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| sec-Butylbenzene                                                                                 | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Styrene                                                                                          | 5   | Total ug | < 5                                              | < 5                                             | < 5                                              | < 5                                             |
| tert-Butylbenzene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Tetrachloroethene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Toluene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| trans-1.3-Dichloropropene                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichloroethene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichlorofluoromethane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Vinyl chloride                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Xylenes - Total                                                                                  | 1.5 | Total ug | < 1.5                                            | < 1.5                                           | < 1.5                                            | < 1.5                                           |
| Naphthalene                                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.3-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.4-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Hexachlorobutadiene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |

| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | QCO2_FRONT<br>Air<br>S16-My06854<br>May 05, 2016 | QCO2_BACK<br>Air<br>S16-My06855<br>May 05, 2016 | BLANK_FRONT<br>Air<br>S16-My06856<br>May 05, 2016 | BLANK_BACK<br>Air<br>S16-My06857<br>May 05, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------------|--------------------------------------------------|
|                                                                                                  |     |          |                                                  |                                                 |                                                   |                                                  |
| Isopropanol*                                                                                     | 10  | Total ug | < 10                                             | < 10                                            | < 10                                              | < 10                                             |
| <b>VOC AIR-8260</b>                                                                              |     |          |                                                  |                                                 |                                                   |                                                  |
| 1.1-Dichloroethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.1-Dichloroethene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.1-Dichloropropene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.1.1-Trichloroethane                                                                            | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.1.1.2-Tetrachloroethane                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.1.2-Trichloroethane                                                                            | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.1.2.2-Tetrachloroethane                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.2-Dibromo-3-chloropropane                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.2-Dibromoethane                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |
| 1.2-Dichloroethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                             | < 0.5                                            |

| Client Sample ID           |     |          | QCO2_FRONT<br>Air | QCO2_BACK<br>Air | BLANK_FRONT<br>Air | BLANK_BACK<br>Air |
|----------------------------|-----|----------|-------------------|------------------|--------------------|-------------------|
| Sample Matrix              |     |          | S16-My06854       | S16-My06855      | S16-My06856        | S16-My06857       |
| Eurofins   mgt Sample No.  |     |          | May 05, 2016      | May 05, 2016     | May 05, 2016       | May 05, 2016      |
| Date Sampled               |     |          |                   |                  |                    |                   |
| Test/Reference             | LOR | Unit     |                   |                  |                    |                   |
| <b>VOC AIR-8260</b>        |     |          |                   |                  |                    |                   |
| 1.2-Dichloropropane        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.2.3-Trichloropropane     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.2.4-Trimethylbenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.3-Dichloropropane        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.3.5-Trimethylbenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 2-Chlorotoluene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 2.2-Dichloropropane        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 4-Chlorotoluene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Benzene                    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Bromochloromethane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Bromodichloromethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Bromoform                  | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Carbon Tetrachloride       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Chlorobenzene              | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Chloroform                 | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| cis-1.2-Dichloroethene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| cis-1.3-Dichloropropene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Dibromochloromethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Dibromomethane             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Ethylbenzene               | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Isopropyl benzene (Cumene) | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| n-Butylbenzene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| n-Propylbenzene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| p-Isopropyltoluene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| sec-Butylbenzene           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Styrene                    | 5   | Total ug | < 5               | < 5              | < 5                | < 5               |
| tert-Butylbenzene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Tetrachloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Toluene                    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| trans-1.3-Dichloropropene  | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Trichloroethene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Trichlorofluoromethane     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Vinyl chloride             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Xylenes - Total            | 1.5 | Total ug | < 1.5             | < 1.5            | < 1.5              | < 1.5             |
| Naphthalene                | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.2-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.2.3-Trichlorobenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.2.4-Trichlorobenzene     | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.3-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| 1.4-Dichlorobenzene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |
| Hexachlorobutadiene        | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5              | < 0.5             |

### Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description                        | Testing Site | Extracted    | Holding Time |
|------------------------------------|--------------|--------------|--------------|
| Isopropanol*                       | Melbourne    | May 06, 2016 | 14 Day       |
| - Method: Isopropanol : NIOSH 1400 |              |              |              |
| VOC AIR-8260                       | Melbourne    | May 06, 2016 | 14 Day       |
| - Method: LTM-ORG-2030             |              |              |              |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 51142

**Order No.:**  
**Report #:** 499538  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** May 6, 2016 12:48 PM  
**Due:** May 13, 2016  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

### Sample Detail

Isopropanol\*

VOC AIR-8260

| Melbourne Laboratory - NATA Site # 1254 & 14271 |            |              |               |        |             | X | X |
|-------------------------------------------------|------------|--------------|---------------|--------|-------------|---|---|
| Sydney Laboratory - NATA Site # 18217           |            |              |               |        |             |   |   |
| Brisbane Laboratory - NATA Site # 20794         |            |              |               |        |             |   |   |
| External Laboratory                             |            |              |               |        |             |   |   |
| o                                               | Sample ID  | Sample Date  | Sampling Time | Matrix | LAB ID      |   |   |
|                                                 | SV01_FRONT | May 04, 2016 |               | Air    | S16-My06798 | X | X |
|                                                 | SV01_BACK  | May 04, 2016 |               | Air    | S16-My06799 | X | X |
|                                                 | SV02_FRONT | May 04, 2016 |               | Air    | S16-My06800 | X | X |
|                                                 | SV02_BACK  | May 04, 2016 |               | Air    | S16-My06801 | X | X |
|                                                 | SV03_FRONT | May 04, 2016 |               | Air    | S16-My06802 | X | X |
|                                                 | SV03_BACK  | May 04, 2016 |               | Air    | S16-My06803 | X | X |
|                                                 | SV04_FRONT | May 04, 2016 |               | Air    | S16-My06804 | X | X |
|                                                 | SV04_BACK  | May 04, 2016 |               | Air    | S16-My06805 | X | X |
|                                                 | SV05_FRONT | May 04, 2016 |               | Air    | S16-My06806 | X | X |
|                                                 | SV05_BACK  | May 04, 2016 |               | Air    | S16-My06807 | X | X |

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**Phone:** 02 8245 0300  
**Fax:**

**Received:** May 6, 2016 12:48 PM  
**Due:** May 13, 2016  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

**Eurofins | mgt Analytical Services Manager : Nibha Vaidya**

Sample Detail

Isopropanol\*

VOC AIR-8260

|                                                 |              |  |     |             |   |   |   |
|-------------------------------------------------|--------------|--|-----|-------------|---|---|---|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |              |  |     |             |   | X | X |
| Sydney Laboratory - NATA Site # 18217           |              |  |     |             |   |   |   |
| Brisbane Laboratory - NATA Site # 20794         |              |  |     |             |   |   |   |
| Internal Laboratory                             |              |  |     |             |   |   |   |
| SV06 FRONT                                      | May 04, 2016 |  | Air | S16-My06808 | X | X |   |
| SV06 BACK                                       | May 04, 2016 |  | Air | S16-My06809 | X | X |   |
| SV07 FRONT                                      | May 04, 2016 |  | Air | S16-My06810 | X | X |   |
| SV07 BACK                                       | May 04, 2016 |  | Air | S16-My06811 | X | X |   |
| SV08 FRONT                                      | May 04, 2016 |  | Air | S16-My06812 | X | X |   |
| SV08 BACK                                       | May 04, 2016 |  | Air | S16-My06813 | X | X |   |
| SV09 FRONT                                      | May 04, 2016 |  | Air | S16-My06814 | X | X |   |
| SV09 BACK                                       | May 04, 2016 |  | Air | S16-My06815 | X | X |   |
| SV10 FRONT                                      | May 04, 2016 |  | Air | S16-My06816 | X | X |   |
| SV10 BACK                                       | May 04, 2016 |  | Air | S16-My06817 | X | X |   |
| SV11 FRONT                                      | May 04, 2016 |  | Air | S16-My06818 | X | X |   |



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**Received:** May 6, 2016 12:48 PM  
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**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

**Eurofins | mgt Analytical Services Manager : Nibha Vaidya**

Sample Detail

Isopropanol\*

VOC AIR-8260

|                                                 |       |              |  |     |             |   |   |
|-------------------------------------------------|-------|--------------|--|-----|-------------|---|---|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |       |              |  |     |             | X | X |
| Sydney Laboratory - NATA Site # 18217           |       |              |  |     |             |   |   |
| Brisbane Laboratory - NATA Site # 20794         |       |              |  |     |             |   |   |
| Internal Laboratory                             |       |              |  |     |             |   |   |
| SV11                                            | BACK  | May 04, 2016 |  | Air | S16-My06819 | X | X |
| SV12                                            | FRONT | May 04, 2016 |  | Air | S16-My06820 | X | X |
| SV12                                            | BACK  | May 04, 2016 |  | Air | S16-My06821 | X | X |
| SV13                                            | FRONT | May 04, 2016 |  | Air | S16-My06822 | X | X |
| SV13                                            | BACK  | May 04, 2016 |  | Air | S16-My06823 | X | X |
| SV14                                            | FRONT | May 04, 2016 |  | Air | S16-My06824 | X | X |
| SV14                                            | BACK  | May 04, 2016 |  | Air | S16-My06825 | X | X |
| SV15                                            | FRONT | May 04, 2016 |  | Air | S16-My06826 | X | X |
| SV15                                            | BACK  | May 04, 2016 |  | Air | S16-My06827 | X | X |
| SV16                                            | FRONT | May 05, 2016 |  | Air | S16-My06828 | X | X |
| SV16                                            | BACK  | May 05, 2016 |  | Air | S16-My06829 | X | X |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 51142

**Order No.:**  
**Report #:** 499538  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** May 6, 2016 12:48 PM  
**Due:** May 13, 2016  
**Priority:** 5 Day  
**Contact Name:** Nathan Cussen

**Eurofins | mgt Analytical Services Manager : Nibha Vaidya**

Sample Detail

Isopropanol\*

VOC AIR-8260

|                                                 |       |              |  |     |             |   |   |
|-------------------------------------------------|-------|--------------|--|-----|-------------|---|---|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |       |              |  |     |             | X | X |
| Sydney Laboratory - NATA Site # 18217           |       |              |  |     |             |   |   |
| Brisbane Laboratory - NATA Site # 20794         |       |              |  |     |             |   |   |
| Internal Laboratory                             |       |              |  |     |             |   |   |
| SV17                                            | FRONT | May 05, 2016 |  | Air | S16-My06830 | X | X |
| SV17                                            | BACK  | May 05, 2016 |  | Air | S16-My06831 | X | X |
| SV18                                            | FRONT | May 05, 2016 |  | Air | S16-My06832 | X | X |
| SV18                                            | BACK  | May 05, 2016 |  | Air | S16-My06833 | X | X |
| SV19                                            | FRONT | May 05, 2016 |  | Air | S16-My06834 | X | X |
| SV19                                            | BACK  | May 05, 2016 |  | Air | S16-My06835 | X | X |
| SV20                                            | FRONT | May 05, 2016 |  | Air | S16-My06836 | X | X |
| SV20                                            | BACK  | May 05, 2016 |  | Air | S16-My06837 | X | X |
| SV21                                            | FRONT | May 05, 2016 |  | Air | S16-My06838 | X | X |
| SV21                                            | BACK  | May 05, 2016 |  | Air | S16-My06839 | X | X |
| SV22                                            | FRONT | May 05, 2016 |  | Air | S16-My06840 | X | X |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
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**Eurofins | mgt Analytical Services Manager : Nibha Vaidya**

Sample Detail

Isopropanol\*

VOC AIR-8260

|                                                 |       |              |  |     |             |   |   |
|-------------------------------------------------|-------|--------------|--|-----|-------------|---|---|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |       |              |  |     |             | X | X |
| Sydney Laboratory - NATA Site # 18217           |       |              |  |     |             |   |   |
| Brisbane Laboratory - NATA Site # 20794         |       |              |  |     |             |   |   |
| Internal Laboratory                             |       |              |  |     |             |   |   |
| SV22                                            | BACK  | May 05, 2016 |  | Air | S16-My06841 | X | X |
| SV23                                            | FRONT | May 05, 2016 |  | Air | S16-My06842 | X | X |
| SV23                                            | BACK  | May 05, 2016 |  | Air | S16-My06843 | X | X |
| SV24                                            | FRONT | May 05, 2016 |  | Air | S16-My06844 | X | X |
| SV24                                            | BACK  | May 05, 2016 |  | Air | S16-My06845 | X | X |
| SV25                                            | FRONT | May 05, 2016 |  | Air | S16-My06846 | X | X |
| SV25                                            | BACK  | May 05, 2016 |  | Air | S16-My06847 | X | X |
| SV26                                            | FRONT | May 05, 2016 |  | Air | S16-My06848 | X | X |
| SV26                                            | BACK  | May 05, 2016 |  | Air | S16-My06849 | X | X |
| SV27                                            | FRONT | May 05, 2016 |  | Air | S16-My06850 | X | X |
| SV27                                            | BACK  | May 05, 2016 |  | Air | S16-My06851 | X | X |



eurofins

mgt

Melbourne  
2/5 Kingston Town Close  
Oakleigh VIC 3166  
Phone: +61 3 9564 5000  
NATA # 1261  
Site # 1254 & 14271

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
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**Order No.:**  
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**Phone:** 02 8245 0300  
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**Received:** May 6, 2016 12:48 PM  
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**Contact Name:** Nathan Cussen

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail

Isopropanol\*

VOC AIR-8260

Melbourne Laboratory - NATA Site # 1254 & 14271

X X

Sydney Laboratory - NATA Site # 18217

Brisbane Laboratory - NATA Site # 20794

Internal Laboratory

|            |              |  |     |             |   |   |
|------------|--------------|--|-----|-------------|---|---|
| QCO1_FRON  | May 04, 2016 |  | Air | S16-My06852 | X | X |
| QCO1_BACK  | May 04, 2016 |  | Air | S16-My06853 | X | X |
| QCO2_FRON  | May 05, 2016 |  | Air | S16-My06854 | X | X |
| QCO2_BACK  | May 05, 2016 |  | Air | S16-My06855 | X | X |
| BLANK_FRON | May 05, 2016 |  | Air | S16-My06856 | X | X |
| BLANK_BACK | May 05, 2016 |  | Air | S16-My06857 | X | X |

Test Counts 60 60

## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

**\*\*NOTE:** pH duplicates are reported as a range NOT as RPD

### Units

**mg/kg:** milligrams per Kilogram

**ug/l:** micrograms per litre

**ppb:** Parts per billion

**org/100ml:** Organisms per 100 millilitres

**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

**mg/l:** milligrams per litre

**ppm:** Parts per million

**%:** Percentage

**NTU:** Nephelometric Turbidity Units

### Terms

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                    |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                               |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                        |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                             |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery                                                                                                          |
| <b>CRM</b>              | Certified Reference Material - reported as percent recovery                                                                                                       |
| <b>Method Blank</b>     | In the case of solid samples these are performed on laboratory certified clean sands.<br>In the case of water samples these are performed on de-ionised water.    |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                        |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                  |
| <b>Batch Duplicate</b>  | A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>Batch SPIKE</b>      | Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>USEPA</b>            | United States Environmental Protection Agency                                                                                                                     |
| <b>APHA</b>             | American Public Health Association                                                                                                                                |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                        |
| <b>COC</b>              | Chain of Custody                                                                                                                                                  |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                             |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                             |
| <b>NCP</b>              | Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within |
| <b>TEQ</b>              | Toxic Equivalency Quotient                                                                                                                                        |

### QC - Acceptance Criteria

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

Results <10 times the LOR : No Limit

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

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

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

### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                        | Units    | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-----------------------------|----------|----------|--|--|-------------------|-------------|-----------------|
| <b>Method Blank</b>         |          |          |  |  |                   |             |                 |
| Isopropanol*                | Total ug | < 10     |  |  | 10                | Pass        |                 |
| <b>Method Blank</b>         |          |          |  |  |                   |             |                 |
| <b>VOC AIR-8260</b>         |          |          |  |  |                   |             |                 |
| 1.1-Dichloroethane          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1-Dichloroethene          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1-Dichloropropene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.1-Trichloroethane       | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.1.2-Tetrachloroethane   | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.2-Trichloroethane       | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.2.2-Tetrachloroethane   | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dibromo-3-chloropropane | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dibromoethane           | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichloroethane          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichloropropane         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.3-Trichloropropane      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.4-Trimethylbenzene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.3-Dichloropropane         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.3.5-Trimethylbenzene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 2-Chlorotoluene             | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 2.2-Dichloropropane         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 4-Chlorotoluene             | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Benzene                     | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromochloromethane          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromodichloromethane        | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromoform                   | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Carbon Tetrachloride        | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chlorobenzene               | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chloroform                  | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| cis-1.2-Dichloroethene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| cis-1.3-Dichloropropene     | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Dibromochloromethane        | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Dibromomethane              | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Ethylbenzene                | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Isopropyl benzene (Cumene)  | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| n-Butylbenzene              | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| n-Propylbenzene             | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| p-Isopropyltoluene          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| sec-Butylbenzene            | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Styrene                     | Total ug | < 5      |  |  | 5                 | Pass        |                 |
| tert-Butylbenzene           | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Tetrachloroethene           | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Toluene                     | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| trans-1.3-Dichloropropene   | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Trichloroethene             | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Trichlorofluoromethane      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Vinyl chloride              | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Xylenes - Total             | Total ug | < 1.5    |  |  | 1.5               | Pass        |                 |
| Naphthalene                 | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichlorobenzene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.3-Trichlorobenzene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.4-Trichlorobenzene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |

| Test                        | Units    | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-----------------------------|----------|----------|--|--|-------------------|-------------|-----------------|
| 1.3-Dichlorobenzene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.4-Dichlorobenzene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Hexachlorobutadiene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| <b>LCS - % Recovery</b>     |          |          |  |  |                   |             |                 |
| Isopropanol*                | %        | 78       |  |  | 70-130            | Pass        |                 |
| <b>LCS - % Recovery</b>     |          |          |  |  |                   |             |                 |
| <b>VOC AIR-8260</b>         |          |          |  |  |                   |             |                 |
| 1.1-Dichloroethene          | %        | 89       |  |  | 70-130            | Pass        |                 |
| 1.1-Dichloropropene         | %        | 83       |  |  | 75-125            | Pass        |                 |
| 1.1.1-Trichloroethane       | %        | 87       |  |  | 70-130            | Pass        |                 |
| 1.2-Dibromo-3-chloropropane | %        | 93       |  |  | 75-125            | Pass        |                 |
| 1.2-Dichloroethane          | %        | 85       |  |  | 70-130            | Pass        |                 |
| Benzene                     | %        | 80       |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                | %        | 84       |  |  | 70-130            | Pass        |                 |
| Toluene                     | %        | 81       |  |  | 70-130            | Pass        |                 |
| Trichloroethene             | %        | 83       |  |  | 70-130            | Pass        |                 |
| Xylenes - Total             | %        | 80       |  |  | 70-130            | Pass        |                 |
| Naphthalene                 | %        | 77       |  |  | 70-130            | Pass        |                 |
| 1.2-Dichlorobenzene         | %        | 84       |  |  | 70-130            | Pass        |                 |
| 1.2.3-Trichlorobenzene      | %        | 82       |  |  | 70-130            | Pass        |                 |
| 1.2.4-Trichlorobenzene      | %        | 73       |  |  | 70-130            | Pass        |                 |
| 1.4-Dichlorobenzene         | %        | 85       |  |  | 70-130            | Pass        |                 |



## Comments

### Sample Integrity

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

## Authorised By

|               |                               |
|---------------|-------------------------------|
| Nibha Vaidya  | Analytical Services Manager   |
| Harry Bacalis | Senior Analyst-Volatile (VIC) |
| Mele Singh    | Senior Analyst-Organic (VIC)  |



**Glenn Jackson**

### National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

Eurofins | mgt shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins | mgt be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

06536

## CHAIN OF CUSTODY

[illegible]

## Sample Receipt Advice

Company name: **JBS & G Australia (NSW & WA) P/L**

Contact name: **Rohan Hammond**

Project name: **ATP**

Project ID: **51142**

COC number: **Not provided**

Turn around time: **1 Day**

Date/Time received: **May 20, 2016 10:19 AM**

Eurofins | mgt reference: **501366**

### Sample information

- ☒ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ☒ Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt  
Sample Receipt : 24 degrees Celsius.
- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ Attempt to chill was evident.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ☒ Appropriate sample containers have been used.
- ☒ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

### Contact notes

If you have any questions with respect to these samples please contact:

Nibha Vaidya on Phone : +61 (2) 9900 8400 or by e.mail: NibhaVaidya@eurofins.com

Results will be delivered electronically via e.mail to Rohan Hammond - rhammond@jbsg.com.au.

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 51142

**Order No.:**  
**Report #:** 501366  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** May 20, 2016 10:19 AM  
**Due:** May 23, 2016  
**Priority:** 1 Day  
**Contact Name:** Rohan Hammond

**Eurofins | mgt Analytical Services Manager : Nibha Vaidya**

| Sample Detail                                   |            |              |               |        |             | Isopropanol* | VOC AIR-8260 |
|-------------------------------------------------|------------|--------------|---------------|--------|-------------|--------------|--------------|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |            |              |               |        |             | X            | X            |
| Sydney Laboratory - NATA Site # 18217           |            |              |               |        |             |              |              |
| Brisbane Laboratory - NATA Site # 20794         |            |              |               |        |             |              |              |
| External Laboratory                             |            |              |               |        |             |              |              |
| No                                              | Sample ID  | Sample Date  | Sampling Time | Matrix | LAB ID      |              |              |
| 1                                               | SV31_FRONT | May 20, 2016 |               | Air    | S16-My20992 | X            | X            |
| 2                                               | SV31_BACK  | May 20, 2016 |               | Air    | S16-My20993 | X            | X            |
| 3                                               | SV32_FRONT | May 20, 2016 |               | Air    | S16-My20994 | X            | X            |
| 4                                               | SV32_BACK  | May 20, 2016 |               | Air    | S16-My20995 | X            | X            |
| 5                                               | SV33_FRONT | May 20, 2016 |               | Air    | S16-My20996 | X            | X            |
| 6                                               | SV33_BACK  | May 20, 2016 |               | Air    | S16-My20997 | X            | X            |
| 7                                               | SV34_FRONT | May 20, 2016 |               | Air    | S16-My20998 | X            | X            |
| 8                                               | SV34_BACK  | May 20, 2016 |               | Air    | S16-My20999 | X            | X            |
| 9                                               | SV35_FRONT | May 20, 2016 |               | Air    | S16-My21000 | X            | X            |
| 10                                              | SV35_BACK  | May 20, 2016 |               | Air    | S16-My21001 | X            | X            |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
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**Contact Name:** Rohan Hammond

**Eurofins | mgt Analytical Services Manager : Nibha Vaidya**

|                                                 |               |              |  |     |             |              |              |
|-------------------------------------------------|---------------|--------------|--|-----|-------------|--------------|--------------|
| Sample Detail                                   |               |              |  |     |             | Isopropanol* | VOC AIR-8260 |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |               |              |  |     |             | X            | X            |
| Sydney Laboratory - NATA Site # 18217           |               |              |  |     |             |              |              |
| Brisbane Laboratory - NATA Site # 20794         |               |              |  |     |             |              |              |
| External Laboratory                             |               |              |  |     |             |              |              |
| 11                                              | SV36_FRONT    | May 20, 2016 |  | Air | S16-My21002 | X            | X            |
| 12                                              | SV36_BACK     | May 20, 2016 |  | Air | S16-My21003 | X            | X            |
| 13                                              | MB_FRONT      | May 20, 2016 |  | Air | S16-My21004 | X            | X            |
| 14                                              | MB_BACK       | May 20, 2016 |  | Air | S16-My21005 | X            | X            |
| 15                                              | QC03-SV_FRONT | May 20, 2016 |  | Air | S16-My21006 | X            | X            |
| 16                                              | QC03-SV_BACK  | May 20, 2016 |  | Air | S16-My21007 | X            | X            |
| Test Counts                                     |               |              |  |     |             | 16           | 16           |

# Certificate of Analysis

**JBS & G Australia (NSW & WA) P/L**  
**Level 1, 50 Margaret St**  
**Sydney**  
**NSW 2000**



**NATA Accredited**  
**Accreditation Number 1261**  
**Site Number 18217**

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.

**Attention:** **Rohan Hammond**

**Report** **501366-A**  
Project name ATP  
Project ID 51142  
Received Date May 20, 2016

| Client Sample ID            |     |          | SV31_FRONT   | SV31_BACK    | SV32_FRONT   | SV32_BACK    |
|-----------------------------|-----|----------|--------------|--------------|--------------|--------------|
| Sample Matrix               |     |          | Air          | Air          | Air          | Air          |
| Eurofins   mgt Sample No.   |     |          | S16-My20992  | S16-My20993  | S16-My20994  | S16-My20995  |
| Date Sampled                |     |          | May 20, 2016 | May 20, 2016 | May 20, 2016 | May 20, 2016 |
| Test/Reference              | LOR | Unit     |              |              |              |              |
| Isopropanol*                | 10  | Total ug | < 10         | < 10         | < 10         | < 10         |
| <b>VOC AIR-8260</b>         |     |          |              |              |              |              |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Benzene                     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromochloromethane          | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Bromoform                   | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Carbon Tetrachloride        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chlorobenzene               | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Chloroform                  | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| cis-1.2-Dichloroethene      | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| cis-1.3-Dichloropropene     | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibromochloromethane        | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Dibromomethane              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Ethylbenzene                | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| Isopropyl benzene (Cumene)  | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| n-Butylbenzene              | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |
| n-Propylbenzene             | 0.5 | Total ug | < 0.5        | < 0.5        | < 0.5        | < 0.5        |

| Client Sample ID             |     |          | SV31_FRONT<br>Air | SV31_BACK<br>Air | SV32_FRONT<br>Air | SV32_BACK<br>Air |
|------------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix                |     |          | S16-My20992       | S16-My20993      | S16-My20994       | S16-My20995      |
| Eurofins   mgt Sample No.    |     |          | May 20, 2016      | May 20, 2016     | May 20, 2016      | May 20, 2016     |
| Date Sampled                 |     |          |                   |                  |                   |                  |
| Test/Reference               | LOR | Unit     |                   |                  |                   |                  |
| <b>VOC AIR-8260</b>          |     |          |                   |                  |                   |                  |
| p-Isopropyltoluene           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| sec-Butylbenzene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Styrene                      | 5   | Total ug | < 5               | < 5              | < 5               | < 5              |
| tert-Butylbenzene            | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Tetrachloroethene            | 0.5 | Total ug | < 0.5             | < 0.5            | 2.6               | < 0.5            |
| Toluene                      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| trans-1.3-Dichloropropene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Trichloroethene              | 0.5 | Total ug | < 0.5             | < 0.5            | 1.4               | < 0.5            |
| Trichlorofluoromethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Vinyl chloride               | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Xylenes - Total              | 1.5 | Total ug | < 1.5             | < 1.5            | < 1.5             | < 1.5            |
| Fluorobenzene (surr.)        | 1   | %        | 92                | 109              | 106               | 101              |
| 4-Bromofluorobenzene (surr.) | 1   | %        | 91                | 110              | 104               | 93               |
| Dibromofluoromethane (surr.) | 1   | %        | 93                | 107              | 107               | 99               |
| Naphthalene                  | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichlorobenzene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichlorobenzene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.4-Dichlorobenzene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Hexachlorobutadiene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID            |     |          | SV33_FRONT<br>Air | SV33_BACK<br>Air | SV34_FRONT<br>Air | SV34_BACK<br>Air |
|-----------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix               |     |          | S16-My20996       | S16-My20997      | S16-My20998       | S16-My20999      |
| Eurofins   mgt Sample No.   |     |          | May 20, 2016      | May 20, 2016     | May 20, 2016      | May 20, 2016     |
| Date Sampled                |     |          |                   |                  |                   |                  |
| Test/Reference              | LOR | Unit     |                   |                  |                   |                  |
|                             |     |          |                   |                  |                   |                  |
| Isopropanol*                | 10  | Total ug | < 10              | < 10             | < 10              | < 10             |
| <b>VOC AIR-8260</b>         |     |          |                   |                  |                   |                  |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |



| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | SV33_FRONT<br>Air<br>S16-My20996<br>May 20, 2016 | SV33_BACK<br>Air<br>S16-My20997<br>May 20, 2016 | SV34_FRONT<br>Air<br>S16-My20998<br>May 20, 2016 | SV34_BACK<br>Air<br>S16-My20999<br>May 20, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| <b>VOC AIR-8260</b>                                                                              |     |          |                                                  |                                                 |                                                  |                                                 |
| Benzene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromochloromethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromodichloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromoform                                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Carbon Tetrachloride                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chlorobenzene                                                                                    | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chloroform                                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1,2-Dichloroethene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1,3-Dichloropropene                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromochloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromomethane                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Ethylbenzene                                                                                     | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Isopropyl benzene (Cumene)                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Butylbenzene                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Propylbenzene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| p-Isopropyltoluene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| sec-Butylbenzene                                                                                 | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Styrene                                                                                          | 5   | Total ug | < 5                                              | < 5                                             | < 5                                              | < 5                                             |
| tert-Butylbenzene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Tetrachloroethene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Toluene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| trans-1,3-Dichloropropene                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichloroethene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | 37                                               | < 0.5                                           |
| Trichlorofluoromethane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Vinyl chloride                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Xylenes - Total                                                                                  | 1.5 | Total ug | < 1.5                                            | < 1.5                                           | < 1.5                                            | < 1.5                                           |
| Fluorobenzene (surr.)                                                                            | 1   | %        | 102                                              | 110                                             | 112                                              | 108                                             |
| 4-Bromofluorobenzene (surr.)                                                                     | 1   | %        | 100                                              | 106                                             | 109                                              | 105                                             |
| Dibromofluoromethane (surr.)                                                                     | 1   | %        | 103                                              | 107                                             | 115                                              | 108                                             |
| Naphthalene                                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1,2-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1,2,3-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1,2,4-Trichlorobenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1,3-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1,4-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Hexachlorobutadiene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |

| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | SV35_FRONT<br>Air<br>S16-My21000<br>May 20, 2016 | SV35_BACK<br>Air<br>S16-My21001<br>May 20, 2016 | SV36_FRONT<br>Air<br>S16-My21002<br>May 20, 2016 | SV36_BACK<br>Air<br>S16-My21003<br>May 20, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
|                                                                                                  |     |          |                                                  |                                                 |                                                  |                                                 |
| Isopropanol*                                                                                     | 10  | Total ug | < 10                                             | < 10                                            | < 10                                             | < 10                                            |

| Client Sample ID<br>Sample Matrix<br>Eurofins   mgt Sample No.<br>Date Sampled<br>Test/Reference | LOR | Unit     | SV35_FRONT<br>Air<br>S16-My21000<br>May 20, 2016 | SV35_BACK<br>Air<br>S16-My21001<br>May 20, 2016 | SV36_FRONT<br>Air<br>S16-My21002<br>May 20, 2016 | SV36_BACK<br>Air<br>S16-My21003<br>May 20, 2016 |
|--------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| <b>VOC AIR-8260</b>                                                                              |     |          |                                                  |                                                 |                                                  |                                                 |
| 1.1-Dichloroethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1-Dichloroethene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1-Dichloropropene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1.1-Trichloroethane                                                                            | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1.1.2-Tetrachloroethane                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1.2-Trichloroethane                                                                            | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.1.2.2-Tetrachloroethane                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dibromo-3-chloropropane                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dibromoethane                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichloroethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.3-Trichloropropane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2.4-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.3.5-Trimethylbenzene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 2.2-Dichloropropane                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 4-Chlorotoluene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Benzene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromochloromethane                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromodichloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Bromoform                                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Carbon Tetrachloride                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chlorobenzene                                                                                    | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Chloroform                                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.2-Dichloroethene                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| cis-1.3-Dichloropropene                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromochloromethane                                                                             | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Dibromomethane                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Ethylbenzene                                                                                     | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Isopropyl benzene (Cumene)                                                                       | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Butylbenzene                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| n-Propylbenzene                                                                                  | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| p-Isopropyltoluene                                                                               | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| sec-Butylbenzene                                                                                 | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Styrene                                                                                          | 5   | Total ug | < 5                                              | < 5                                             | < 5                                              | < 5                                             |
| tert-Butylbenzene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Tetrachloroethene                                                                                | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | 19                                               | < 0.5                                           |
| Toluene                                                                                          | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| trans-1.3-Dichloropropene                                                                        | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Trichloroethene                                                                                  | 0.5 | Total ug | 14                                               | < 0.5                                           | 3.4                                              | < 0.5                                           |
| Trichlorofluoromethane                                                                           | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Vinyl chloride                                                                                   | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| Xylenes - Total                                                                                  | 1.5 | Total ug | < 1.5                                            | < 1.5                                           | < 1.5                                            | < 1.5                                           |
| Fluorobenzene (surr.)                                                                            | 1   | %        | 103                                              | 107                                             | 99                                               | 113                                             |
| 4-Bromofluorobenzene (surr.)                                                                     | 1   | %        | 99                                               | 102                                             | 96                                               | 116                                             |
| Dibromofluoromethane (surr.)                                                                     | 1   | %        | 104                                              | 107                                             | 102                                              | 113                                             |
| Naphthalene                                                                                      | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |
| 1.2-Dichlorobenzene                                                                              | 0.5 | Total ug | < 0.5                                            | < 0.5                                           | < 0.5                                            | < 0.5                                           |

| Client Sample ID          |     |          | SV35_FRONT<br>Air | SV35_BACK<br>Air | SV36_FRONT<br>Air | SV36_BACK<br>Air |
|---------------------------|-----|----------|-------------------|------------------|-------------------|------------------|
| Sample Matrix             |     |          | S16-My21000       | S16-My21001      | S16-My21002       | S16-My21003      |
| Eurofins   mgt Sample No. |     |          | May 20, 2016      | May 20, 2016     | May 20, 2016      | May 20, 2016     |
| Date Sampled              |     |          |                   |                  |                   |                  |
| Test/Reference            | LOR | Unit     |                   |                  |                   |                  |
| <b>VOC AIR-8260</b>       |     |          |                   |                  |                   |                  |
| 1.2.3-Trichlorobenzene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.2.4-Trichlorobenzene    | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.3-Dichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| 1.4-Dichlorobenzene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |
| Hexachlorobutadiene       | 0.5 | Total ug | < 0.5             | < 0.5            | < 0.5             | < 0.5            |

| Client Sample ID            |     |          | MB_FRONT<br>Air | MB_BACK<br>Air | QC03-SV_FRONT<br>Air | QC03-SV_BACK<br>Air |
|-----------------------------|-----|----------|-----------------|----------------|----------------------|---------------------|
| Sample Matrix               |     |          | S16-My21004     | S16-My21005    | S16-My21006          | S16-My21007         |
| Eurofins   mgt Sample No.   |     |          | May 20, 2016    | May 20, 2016   | May 20, 2016         | May 20, 2016        |
| Date Sampled                |     |          |                 |                |                      |                     |
| Test/Reference              | LOR | Unit     |                 |                |                      |                     |
|                             |     |          |                 |                |                      |                     |
| Isopropanol*                | 10  | Total ug | < 10            | < 10           | < 10                 | < 10                |
| <b>VOC AIR-8260</b>         |     |          |                 |                |                      |                     |
| 1.1-Dichloroethane          | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.1-Dichloroethene          | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.1-Dichloropropene         | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.1.1-Trichloroethane       | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.1.1.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.1.2-Trichloroethane       | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.1.2.2-Tetrachloroethane   | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2-Dibromo-3-chloropropane | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2-Dibromoethane           | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2-Dichloroethane          | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2-Dichloropropane         | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2.3-Trichloropropane      | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2.4-Trimethylbenzene      | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.3-Dichloropropane         | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.3.5-Trimethylbenzene      | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 2-Chlorotoluene             | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 2.2-Dichloropropane         | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 4-Chlorotoluene             | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Benzene                     | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Bromochloromethane          | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Bromodichloromethane        | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Bromoform                   | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Carbon Tetrachloride        | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Chlorobenzene               | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Chloroform                  | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| cis-1.2-Dichloroethene      | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| cis-1.3-Dichloropropene     | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Dibromochloromethane        | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Dibromomethane              | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Ethylbenzene                | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Isopropyl benzene (Cumene)  | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| n-Butylbenzene              | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| n-Propylbenzene             | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |

| Client Sample ID             |     |          | MB_FRONT<br>Air | MB_BACK<br>Air | QC03-SV_FRONT<br>Air | QC03-SV_BACK<br>Air |
|------------------------------|-----|----------|-----------------|----------------|----------------------|---------------------|
| Sample Matrix                |     |          | S16-My21004     | S16-My21005    | S16-My21006          | S16-My21007         |
| Eurofins   mgt Sample No.    |     |          | May 20, 2016    | May 20, 2016   | May 20, 2016         | May 20, 2016        |
| Date Sampled                 |     |          |                 |                |                      |                     |
| Test/Reference               | LOR | Unit     |                 |                |                      |                     |
| <b>VOC AIR-8260</b>          |     |          |                 |                |                      |                     |
| p-Isopropyltoluene           | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| sec-Butylbenzene             | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Styrene                      | 5   | Total ug | < 5             | < 5            | < 5                  | < 5                 |
| tert-Butylbenzene            | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Tetrachloroethene            | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Toluene                      | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| trans-1.3-Dichloropropene    | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Trichloroethene              | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Trichlorofluoromethane       | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Vinyl chloride               | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Xylenes - Total              | 1.5 | Total ug | < 1.5           | < 1.5          | < 1.5                | < 1.5               |
| Fluorobenzene (surr.)        | 1   | %        | 105             | 101            | 101                  | 99                  |
| 4-Bromofluorobenzene (surr.) | 1   | %        | 100             | 100            | 94                   | 103                 |
| Dibromofluoromethane (surr.) | 1   | %        | 101             | 102            | 103                  | 99                  |
| Naphthalene                  | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2-Dichlorobenzene          | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2.3-Trichlorobenzene       | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.2.4-Trichlorobenzene       | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.3-Dichlorobenzene          | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| 1.4-Dichlorobenzene          | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |
| Hexachlorobutadiene          | 0.5 | Total ug | < 0.5           | < 0.5          | < 0.5                | < 0.5               |

## Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description                        | Testing Site | Extracted    | Holding Time |
|------------------------------------|--------------|--------------|--------------|
| Isopropanol*                       | Melbourne    | May 20, 2016 | 14 Day       |
| - Method: Isopropanol : NIOSH 1400 |              |              |              |
| VOC AIR-8260                       | Melbourne    | May 20, 2016 | 14 Day       |
| - Method: LTM-ORG-2030             |              |              |              |

**Company Name:** JBS & G Australia (NSW & WA) P/L  
**Address:** Level 1, 50 Margaret St  
Sydney  
NSW 2000  
**Project Name:** ATP  
**Project ID:** 51142

**Order No.:**  
**Report #:** 501366  
**Phone:** 02 8245 0300  
**Fax:**

**Received:** May 20, 2016 10:19 AM  
**Due:** May 23, 2016  
**Priority:** 1 Day  
**Contact Name:** Rohan Hammond

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

| Sample Detail                                   |            |              |               |        |             | Isopropanol* | VOC AIR-8260 |
|-------------------------------------------------|------------|--------------|---------------|--------|-------------|--------------|--------------|
| Melbourne Laboratory - NATA Site # 1254 & 14271 |            |              |               |        |             | X            | X            |
| Sydney Laboratory - NATA Site # 18217           |            |              |               |        |             |              |              |
| Brisbane Laboratory - NATA Site # 20794         |            |              |               |        |             |              |              |
| External Laboratory                             |            |              |               |        |             |              |              |
| No                                              | Sample ID  | Sample Date  | Sampling Time | Matrix | LAB ID      |              |              |
| 1                                               | SV31_FRONT | May 20, 2016 |               | Air    | S16-My20992 | X            | X            |
| 2                                               | SV31_BACK  | May 20, 2016 |               | Air    | S16-My20993 | X            | X            |
| 3                                               | SV32_FRONT | May 20, 2016 |               | Air    | S16-My20994 | X            | X            |
| 4                                               | SV32_BACK  | May 20, 2016 |               | Air    | S16-My20995 | X            | X            |
| 5                                               | SV33_FRONT | May 20, 2016 |               | Air    | S16-My20996 | X            | X            |
| 6                                               | SV33_BACK  | May 20, 2016 |               | Air    | S16-My20997 | X            | X            |
| 7                                               | SV34_FRONT | May 20, 2016 |               | Air    | S16-My20998 | X            | X            |
| 8                                               | SV34_BACK  | May 20, 2016 |               | Air    | S16-My20999 | X            | X            |
| 9                                               | SV35_FRONT | May 20, 2016 |               | Air    | S16-My21000 | X            | X            |
| 10                                              | SV35_BACK  | May 20, 2016 |               | Air    | S16-My21001 | X            | X            |

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**Contact Name:** Rohan Hammond

**Eurofins | mgt Analytical Services Manager : Nibha Vaidya**

|                                                 |               |              |  |     |             |              |              |
|-------------------------------------------------|---------------|--------------|--|-----|-------------|--------------|--------------|
| Sample Detail                                   |               |              |  |     |             | Isopropanol* | VOC AIR-8260 |
| Melbourne Laboratory - NATA Site # 1254 & 14271 |               |              |  |     |             | X            | X            |
| Sydney Laboratory - NATA Site # 18217           |               |              |  |     |             |              |              |
| Brisbane Laboratory - NATA Site # 20794         |               |              |  |     |             |              |              |
| External Laboratory                             |               |              |  |     |             |              |              |
| 11                                              | SV36_FRONT    | May 20, 2016 |  | Air | S16-My21002 | X            | X            |
| 12                                              | SV36_BACK     | May 20, 2016 |  | Air | S16-My21003 | X            | X            |
| 13                                              | MB_FRONT      | May 20, 2016 |  | Air | S16-My21004 | X            | X            |
| 14                                              | MB_BACK       | May 20, 2016 |  | Air | S16-My21005 | X            | X            |
| 15                                              | QC03-SV_FRONT | May 20, 2016 |  | Air | S16-My21006 | X            | X            |
| 16                                              | QC03-SV_BACK  | May 20, 2016 |  | Air | S16-My21007 | X            | X            |
| Test Counts                                     |               |              |  |     |             | 16           | 16           |



## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

**\*\*NOTE:** pH duplicates are reported as a range NOT as RPD

### Units

**mg/kg:** milligrams per Kilogram

**ug/l:** micrograms per litre

**ppb:** Parts per billion

**org/100ml:** Organisms per 100 millilitres

**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

**mg/l:** milligrams per litre

**ppm:** Parts per million

**%:** Percentage

**NTU:** Nephelometric Turbidity Units

### Terms

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dry</b>              | Where a moisture has been determined on a solid sample the result is expressed on a dry basis.                                                                    |
| <b>LOR</b>              | Limit of Reporting.                                                                                                                                               |
| <b>SPIKE</b>            | Addition of the analyte to the sample and reported as percentage recovery.                                                                                        |
| <b>RPD</b>              | Relative Percent Difference between two Duplicate pieces of analysis.                                                                                             |
| <b>LCS</b>              | Laboratory Control Sample - reported as percent recovery                                                                                                          |
| <b>CRM</b>              | Certified Reference Material - reported as percent recovery                                                                                                       |
| <b>Method Blank</b>     | In the case of solid samples these are performed on laboratory certified clean sands.<br>In the case of water samples these are performed on de-ionised water.    |
| <b>Surr - Surrogate</b> | The addition of a like compound to the analyte target and reported as percentage recovery.                                                                        |
| <b>Duplicate</b>        | A second piece of analysis from the same sample and reported in the same units as the result to show comparison.                                                  |
| <b>Batch Duplicate</b>  | A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>Batch SPIKE</b>      | Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.                                 |
| <b>USEPA</b>            | United States Environmental Protection Agency                                                                                                                     |
| <b>APHA</b>             | American Public Health Association                                                                                                                                |
| <b>TCLP</b>             | Toxicity Characteristic Leaching Procedure                                                                                                                        |
| <b>COC</b>              | Chain of Custody                                                                                                                                                  |
| <b>SRA</b>              | Sample Receipt Advice                                                                                                                                             |
| <b>CP</b>               | Client Parent - QC was performed on samples pertaining to this report                                                                                             |
| <b>NCP</b>              | Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within |
| <b>TEQ</b>              | Toxic Equivalency Quotient                                                                                                                                        |

### QC - Acceptance Criteria

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

Results <10 times the LOR : No Limit

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

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

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

### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

| Test                        | Units    | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-----------------------------|----------|----------|--|--|-------------------|-------------|-----------------|
| <b>Method Blank</b>         |          |          |  |  |                   |             |                 |
| Isopropanol*                | Total ug | < 10     |  |  | 10                | Pass        |                 |
| <b>Method Blank</b>         |          |          |  |  |                   |             |                 |
| <b>VOC AIR-8260</b>         |          |          |  |  |                   |             |                 |
| 1.1-Dichloroethane          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1-Dichloroethene          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1-Dichloropropene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.1-Trichloroethane       | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.1.2-Tetrachloroethane   | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.2-Trichloroethane       | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.1.2.2-Tetrachloroethane   | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dibromo-3-chloropropane | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dibromoethane           | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichloroethane          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichloropropane         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.3-Trichloropropane      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.4-Trimethylbenzene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.3-Dichloropropane         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.3.5-Trimethylbenzene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 2-Chlorotoluene             | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 2.2-Dichloropropane         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 4-Chlorotoluene             | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Benzene                     | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromochloromethane          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromodichloromethane        | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Bromoform                   | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Carbon Tetrachloride        | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chlorobenzene               | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Chloroform                  | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| cis-1.2-Dichloroethene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| cis-1.3-Dichloropropene     | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Dibromochloromethane        | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Dibromomethane              | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Ethylbenzene                | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Isopropyl benzene (Cumene)  | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| n-Butylbenzene              | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| n-Propylbenzene             | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| p-Isopropyltoluene          | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| sec-Butylbenzene            | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Styrene                     | Total ug | < 5      |  |  | 5                 | Pass        |                 |
| tert-Butylbenzene           | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Tetrachloroethene           | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Toluene                     | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| trans-1.3-Dichloropropene   | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Trichloroethene             | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Trichlorofluoromethane      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Vinyl chloride              | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Xylenes - Total             | Total ug | < 1.5    |  |  | 1.5               | Pass        |                 |
| Naphthalene                 | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2-Dichlorobenzene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.3-Trichlorobenzene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.2.4-Trichlorobenzene      | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |

| Test                        | Units    | Result 1 |  |  | Acceptance Limits | Pass Limits | Qualifying Code |
|-----------------------------|----------|----------|--|--|-------------------|-------------|-----------------|
| 1.3-Dichlorobenzene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| 1.4-Dichlorobenzene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| Hexachlorobutadiene         | Total ug | < 0.5    |  |  | 0.5               | Pass        |                 |
| <b>LCS - % Recovery</b>     |          |          |  |  |                   |             |                 |
| <b>VOC AIR-8260</b>         |          |          |  |  |                   |             |                 |
| 1.1-Dichloroethene          | %        | 114      |  |  | 70-130            | Pass        |                 |
| 1.1-Dichloropropene         | %        | 100      |  |  | 75-125            | Pass        |                 |
| 1.1.1-Trichloroethane       | %        | 94       |  |  | 70-130            | Pass        |                 |
| 1.2-Dibromo-3-chloropropane | %        | 104      |  |  | 75-125            | Pass        |                 |
| 1.2-Dichloroethane          | %        | 99       |  |  | 70-130            | Pass        |                 |
| Benzene                     | %        | 103      |  |  | 70-130            | Pass        |                 |
| Ethylbenzene                | %        | 88       |  |  | 70-130            | Pass        |                 |
| Toluene                     | %        | 86       |  |  | 70-130            | Pass        |                 |
| Trichloroethene             | %        | 113      |  |  | 70-130            | Pass        |                 |
| Xylenes - Total             | %        | 87       |  |  | 70-130            | Pass        |                 |
| 1.2-Dichlorobenzene         | %        | 91       |  |  | 70-130            | Pass        |                 |
| 1.2.3-Trichlorobenzene      | %        | 70       |  |  | 70-130            | Pass        |                 |
| 1.2.4-Trichlorobenzene      | %        | 73       |  |  | 70-130            | Pass        |                 |
| 1.4-Dichlorobenzene         | %        | 91       |  |  | 70-130            | Pass        |                 |

## Comments

### Sample Integrity

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

## Authorised By

|               |                               |
|---------------|-------------------------------|
| Nibha Vaidya  | Analytical Services Manager   |
| Harry Bacalis | Senior Analyst-Volatile (VIC) |
| Mele Singh    | Senior Analyst-Organic (VIC)  |



**Glenn Jackson**

### National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Uncertainty data is available on request

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**Attachment 6 - Tabulated QA/QC Data**

## ESDAT QA Checker

Project:51142 SV

Filter: ALL

### Overview Summary

[Count of Samples](#)

[Summary By Compound](#)

[Count of Results](#)

### Holding Times

Holding Time Errors (0)

### Blanks

Field Blanks

Detects in Lab Blanks (0)

SDG's without Storage Blanks (0)

SDG's without Method Blanks (0)

### Duplicates

[Field and Interlab Duplicates](#)

Lab Duplicates with high RPDs (0)

Duplicate Samples with incorrect or missing Parent Samples (0)

[Samples at the same Location/Depth/Time not specified as duplicates \(33\)](#)

### Surrogates

Surrogate Variation > 30% or outside lab LCL or UCL (0)

### Lab Control Samples

SDG's without a Laboratory Control Sample (0)

Laboratory Control Samples, Error > 30% (0)

### Certified and Standard Reference Materials

Certified Reference Materials - Error > 30% (0)

### Matrix Spikes

SDG's without a Matrix Spike (0)

Trip Spikes with invalid Control Sample (0)

[Less than 1 matrix spike in 20 samples, or less than 1 matrix duplicate in 20 samples \(1\)](#)

Matrix Spike Recoveries less than 70% or greater than 130% or outside lab LCL or UCL (0)

Trip Spike Recoveries (70% - 130% is acceptable) (0)

### Inorganic

Na + CL > TDS (0)

BOD > COD (0)

BOD > COD (0)

### Other

Unit Conversion Problems (0)

OriginalChemNames Requiring Validation (0)

Samples with no Results (0)

[Samples associated with Wells which are not specified in the Well Table \(60\)](#)

Aborted Analysis (0)

[Contents](#)

## Count of Samples

|                                           |            |
|-------------------------------------------|------------|
| <b>Matrix Type</b>                        | GAS        |
| <b>First Sample Date</b>                  | 4/05/2016  |
| <b>Last Sample Date</b>                   | 20/05/2016 |
| <b>Sampling Period (days)</b>             | 17         |
| <b>Number of Samples Submitted</b>        | 72         |
| <b>Number of Non QA Samples Submitted</b> | 66         |
| <b>Number of Field Blanks</b>             | 0          |
| <b>Number of Trip Blanks</b>              | 0          |
| <b>Number of Rinsates</b>                 | 0          |
| <b>Number of Field Duplicates</b>         | 6          |
| <b>Number of Trip Spikes</b>              | 0          |
| <b>Number of Lab Duplicates</b>           | 0          |
| <b>Number of LCSs</b>                     | 4          |
| <b>Number of CRMs</b>                     | 0          |
| <b>Number of Method Blanks</b>            | 3          |
| <b>Number of Storage Blanks</b>           | 4          |
| <b>Number of Matrix Spikes</b>            | 0          |
| <b>Number of Matrix Spike Dupes</b>       | 0          |
|                                           |            |
|                                           |            |



| Chem_Group                         | ChemName                       | Range | Num Results                    | Holding Times (days) |                      |                    |            |            | Lab Control Samples |            |       | Method and Storage Blanks |            |                   | Laboratory Duplicates |            |            | Surrogates   |            |            | Matrix,Trip and Compound Spikes |            |       | Field,Rinsate and Trip Blanks |            |                   | Field Duplicates |            |  |
|------------------------------------|--------------------------------|-------|--------------------------------|----------------------|----------------------|--------------------|------------|------------|---------------------|------------|-------|---------------------------|------------|-------------------|-----------------------|------------|------------|--------------|------------|------------|---------------------------------|------------|-------|-------------------------------|------------|-------------------|------------------|------------|--|
|                                    |                                |       | Non QA<br>(Normal + Composite) | Volatility Group     | Sample to Extraction | Sample to Analysis | Acceptable | Recovery % | Num Reported        | Acceptable | Range | Num Reported              | Acceptable | Max RPD > EQL x 1 | Num Reported          | Acceptable | Recovery % | Num Reported | Acceptable | Recovery % | Num Reported                    | Acceptable | Range | Num Reported                  | Acceptable | Max RPD > EQL x 1 | Num Reported     | Acceptable |  |
| BTEX                               | Benzene                        |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 80 to 103  | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Ethylbenzene                   |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 84 to 88   | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Toluene                        |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 81 to 86   | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Xylene (Total)                 |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 80 to 87   | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
| Chlorinated Alkanes                | 1,1,1,2-tetrachloroethane      |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,1,1-trichloroethane          |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 87 to 94   | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,1,2,2-tetrachloroethane      |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,1,2-trichloroethane          |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,1-dichloroethane             |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,2,3-trichloropropane         |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,2-dibromo-3-chloropropane    |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 93 to 104  | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,2-dichloroethane             |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 85 to 99   | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,2-dichloropropane            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,3-dichloropropane            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 2,2-dichloropropane            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Bromochloromethane             |       | 66                             | Other                | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Bromodichloromethane           |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Carbon tetrachloride           |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Chloroform                     |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | dibromochloromethane           |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Trichlorofluoromethane         |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
| Chlorinated Alkenes                | 1,1-Dichloroethene             |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 89 to 114  | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,1-dichloropropene            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 83 to 100  | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 2-chlorotoluene                |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 4-chlorotoluene                |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | cis-1,2-dichloroethene         |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | cis-1,3-dichloropropene        |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Tetrachloroethene              |       | 66                             | SVOC                 | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            | 135   | 6                             | N          |                   |                  |            |  |
|                                    | trans-1,3-dichloropropene      |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               | 6          | Y                 |                  |            |  |
|                                    | Trichloroethene                |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 83 to 113  | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            | 95    | 6                             | N          |                   |                  |            |  |
| Vinyl Chloride                     |                                | 66    | VOC                            | 0 to 2               | 3 to 9               | Y                  |            | 0          |                     |            |       |                           | 0          | N                 |                       | 0          |            |              | 0          |            |                                 |            |       |                               | 6          | Y                 |                  |            |  |
| Chlorinated Benzenes               | 1,2,3-trichlorobenzene         |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 70 to 82   | 2                   | N          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,2,4-trichlorobenzene         |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 73 to 73   | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,2-Dichlorobenzene            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 84 to 91   | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,3-dichlorobenzene            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,4-dichlorobenzene            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 85 to 91   | 2                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Chlorobenzene                  |       | 66                             | Other                | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
| Miscellaneous Hydrocarbons         | 1,2-dibromoethane              |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Bromoform                      |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Dibromomethane                 |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
| Miscellaneous Industrial Chemicals | Hexachlorobutadiene            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
| Monocyclic Aromatic Hydrocarbons   | 1,2,4-trimethyl benzene        |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 1,3,5-trimethyl benzene        |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | 4-isopropyl toluene            |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Isopropylbenzene               |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | n-butyl benzene                |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | n-propyl benzene               |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | sec-butyl benzene              |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Styrene                        |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
|                                    | Tert-butyl benzene             |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          |            | 0                   |            |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
| Organic Alcohols                   | Isopropyl alcohol              |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 78 to 78   | 1                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
| Polycyclic Aromatic Hydrocarbons   | Naphthalene                    |       | 66                             | VOC                  | 0 to 2               | 3 to 9             | Y          | 77 to 77   | 1                   | Y          |       |                           |            | 0                 | N                     |            | 0          |              |            | 0          |                                 |            |       |                               |            | 6                 | Y                |            |  |
| Surrogate                          | Fluorobenzene (surr.)          |       | 0                              | SVOC                 |                      |                    | Y          |            | 0                   |            |       |                           |            | 0                 | N                     | 92 to 113  | 16         | Y            |            | 0          |                                 |            |       |                               |            | 0                 | N                |            |  |
|                                    | Surrogate 4-BFB                |       | 0                              | VOC                  |                      |                    | Y          |            | 0                   |            |       |                           |            | 0                 | N                     | 91 to 116  | 16         | Y            |            | 0          |                                 |            |       |                               |            | 0                 | N                |            |  |
|                                    | Surrogate Dibromofluoromethane |       | 0                              | VOC                  |                      |                    | Y          |            | 0                   |            |       |                           |            | 0                 | N                     | 93 to 115  | 16         | Y            |            | 0          |                                 |            |       |                               |            | 0                 | N                |            |  |

[Contents](#)

Count of Results

| Matrix_Type | Sample_Type | Reg  | Leached | Spike_Compounds | Surrogate |
|-------------|-------------|------|---------|-----------------|-----------|
| GAS         | Normal      | 3432 | 0       | 0               | 36        |
| GAS         | Field_D     | 312  | 0       | 0               | 6         |
| GAS         | SB          | 208  | 0       | 0               | 6         |
| GAS         | MB          | 104  | 0       | 0               | 0         |
| GAS         | LCS         | 30   | 0       | 0               | 0         |

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

[Contents](#)

Samples at the same Location/Depth/Time not specified as duplicates

| LocCode | Sampled_Date-Time | WellCode | Sample_Depth_From | No_of_Samples |
|---------|-------------------|----------|-------------------|---------------|
| ATP     | 4/05/2016         | SV01     |                   | 2             |
| ATP     | 4/05/2016         | SV02     |                   | 2             |
| ATP     | 4/05/2016         | SV03     |                   | 2             |
| ATP     | 4/05/2016         | SV04     |                   | 2             |
| ATP     | 4/05/2016         | SV05     |                   | 2             |
| ATP     | 4/05/2016         | SV06     |                   | 2             |
| ATP     | 4/05/2016         | SV07     |                   | 2             |
| ATP     | 4/05/2016         | SV08     |                   | 2             |
| ATP     | 4/05/2016         | SV09     |                   | 2             |
| ATP     | 4/05/2016         | SV10     |                   | 2             |
| ATP     | 4/05/2016         | SV11     |                   | 2             |
| ATP     | 4/05/2016         | SV12     |                   | 2             |
| ATP     | 4/05/2016         | SV13     |                   | 2             |
| ATP     | 4/05/2016         | SV14     |                   | 2             |
| ATP     | 4/05/2016         | SV15     |                   | 2             |
| ATP     | 5/05/2016         | SV16     |                   | 2             |
| ATP     | 5/05/2016         | SV17     |                   | 2             |
| ATP     | 5/05/2016         | SV18     |                   | 2             |
| ATP     | 5/05/2016         | SV19     |                   | 2             |
| ATP     | 5/05/2016         | SV20     |                   | 2             |
| ATP     | 5/05/2016         | SV21     |                   | 2             |
| ATP     | 5/05/2016         | SV22     |                   | 2             |
| ATP     | 5/05/2016         | SV23     |                   | 2             |
| ATP     | 5/05/2016         | SV24     |                   | 2             |
| ATP     | 5/05/2016         | SV25     |                   | 2             |
| ATP     | 5/05/2016         | SV26     |                   | 2             |
| ATP     | 5/05/2016         | SV27     |                   | 2             |
| SV31    | 20/05/2016        |          |                   | 2             |
| SV32    | 20/05/2016        |          |                   | 2             |
| SV33    | 20/05/2016        |          |                   | 2             |
| SV34    | 20/05/2016        |          |                   | 2             |
| SV35    | 20/05/2016        |          |                   | 2             |
| SV36    | 20/05/2016        |          |                   | 2             |

[Contents](#)

Less than 1 matrix spike in 20 samples, or less than 1 matrix duplicate in 20 samples

| Matrix_Type | Number_of_Samples | Number_of_Matrix_Spike_Samples | Number_of_Matrix_Spike_Dupe_Samples |   |
|-------------|-------------------|--------------------------------|-------------------------------------|---|
| GAS         |                   | 83                             | 0                                   | 0 |

## Appendix D Analytical Summary Tables

Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible][illegible]



Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible][illegible]

Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]

| Field_ID      | Depth    | Date     | Location | Matrix  | Reference  |
|---------------|----------|----------|----------|---------|------------|
| BH7/2.0-2.1   | 2-2.1    | 22-03-01 | Lot 9    | FILL    | ES 2014b** |
| BH7/3.0-3.1   | 3-3.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014b** |
| BH7/4.0-4.1   | 4-4.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014b** |
| BH7/5.0-5.1   | 5-5.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014b** |
| BH7/6.0-6.1   | 6-6.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014b** |
| BH7/6.5-6.6   | 6.5-6.6  | 22-03-01 | Lot 9    | NATURAL | ES 2014b** |
| BH7/7.0-7.1   | 7-7.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014b** |
| BH7/8.0-8.1   | 8-8.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014b** |
| BH70/0.0-0.5  | 0-0.5    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH70/2.2-2.45 | 2.2-2.45 | 03-01-01 | Lot 9    | NATURAL | HIA 2001** |
| BH71/0.8-1.0  | 0.8-1    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH73/0.0-0.5  | 0-0.5    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH73/1.4-1.85 | 1.4-1.85 | 03-01-01 | Lot 9    | NATURAL | HIA 2001** |
| BH74/0.9-1.0  | 0.9-1    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH76/0.0-0.5  | 0-0.5    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH76/2.0-2.45 | 2-2.45   | 03-01-01 | Lot 9    | NATURAL | HIA 2001** |
| BH78/0.0-0.5  | 0-0.5    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH8/0.06-0.1  | 0.06-0.1 | 22-03-01 | Lot 9    | FILL    | ES 2014**  |
| BH8/1.0-1.1   | 1-1.1    | 22-03-01 | Lot 9    | FILL    | ES 2014**  |
| BH8/2.0-2.1   | 2-2.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014**  |
| BH8/3.0-3.1   | 3-3.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014**  |
| BH8/4.0-4.1   | 4-4.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014**  |
| BH8/5.0-5.1   | 5-5.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014**  |
| BH8/6.0-6.1   | 6-6.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014**  |
| BH8/7.0-7.1   | 7-7.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014**  |
| BH8/8.0-8.1   | 8-8.1    | 22-03-01 | Lot 9    | NATURAL | ES 2014**  |
| BH80/2.0-2.45 | 2-2.45   | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH80/3.0-3.45 | 3-3.45   | 03-01-01 | Lot 9    | NATURAL | HIA 2001** |
| BH81/0.8-1.0  | 0.8-1    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH81/3.0-3.45 | 3-3.45   | 03-01-01 | Lot 9    | NATURAL | HIA 2001** |
| BH87/0.8-1.0  | 0.8-1    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH87/2.0-2.45 | 2-2.45   | 03-01-01 | Lot 9    | NATURAL | HIA 2001** |
| BH88/0.0-0.5  | 0-0.5    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH89/1.8-2.0  | 1.8-2    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH9/0.5-0.6   | 0.5-0.6  | 22-03-01 | Lot 9    | FILL    | ES 2014b** |
| BH9/1.0-1.1   | 1-1.1    | 22-03-01 | Lot 9    | FILL    | ES 2014b** |
| BH90/1.8-2.0  | 1.8-2    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH90/3.0-3.45 | 3-3.45   | 03-01-01 | Lot 9    | NATURAL | HIA 2001** |
| BH99/0.8-1.0  | 0.8-1    | 03-01-01 | Lot 9    | FILL    | HIA 2001** |
| BH99/2.0-2.45 | 2-2.45   | 03-01-01 | Lot 9    | NATURAL | HIA 2001** |

**Env Stds Comments**

- #5:ESLs are of moderate reliability.
- #6:ESLs are of low reliability.
- #7:ESLs are of moderate reliability. To obtain F1 subtract the sum of BTEX from C6-C10.
- #8:Management limits of BTEX and naphthalene are not available, hence should not be subtracted from the relevant fractions to obtain F1 and F2.
- #9:Limits applied after consideration of relevant ESLs and HSLs.
- #10:Key limitations of HSL should be referred prior to application in Friebel and Nadebaum (2011b and 2011a).
- #11:TV adopted from Chromium (VI)
- #12:Assumptions of HSL are presented in Friebel and Nadebaum (2011a and 2011b).
- #13:Refer to HSL and soil saturation concentration limit.
- #14:Sensitive setting HSLs A & HSLs B. Send on <=1m criteria adopted. Exceedence quantifies further interpretation.
- #15:Refer to Section 8.2 and Appendix 1 in Friebel and Nadebaum (2011a).
- #16:TV maybe be multiplied by a factor to account for biodegradation of vapour
- #17:HIL relates to non-dioxin-like PCBs only. If PCB source is suspected a site-specific assessment should be undertaken
- #18:To obtain F2 subtract naphthalene from >C10-C16.
- #19:To obtain F1 subtract the sum of BTEX from C6-C10.

Jet 1993\*\* Report not reviewed, data presented in DP 2005a

HLA 2001\*\* Report not reviewed, data presented in DP 2005a

Jet 1993\*\* Report not reviewed, data presented in ES 2014a

HLA 2001\*\* Report not reviewed, data presented in ES 2014b

DP 2008\*\* Report not reviewed, data presented in ES 2014b

CMP&SG 1994\*\* Report not reviewed, data presented in ES 2014b

Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible][illegible]

Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park



|                                                                             | Polycyclic Aromatic Hydrocarbons |                |            |                    |                   |                      |                      |                    |                      |          |                       |              |          |                         |                                |             | Monocyclic Aromatic Hydrocarbons |        |                   |                     |                         | Miscellaneous Hydrocarbons |              |                  |         |                  | Chlorinated Benzenes |                             | Polychlorinated Biphenyls |              |                |             |                            |                     | Phenols             |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |
|-----------------------------------------------------------------------------|----------------------------------|----------------|------------|--------------------|-------------------|----------------------|----------------------|--------------------|----------------------|----------|-----------------------|--------------|----------|-------------------------|--------------------------------|-------------|----------------------------------|--------|-------------------|---------------------|-------------------------|----------------------------|--------------|------------------|---------|------------------|----------------------|-----------------------------|---------------------------|--------------|----------------|-------------|----------------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----|
|                                                                             | Acenaphthene                     | Acenaphthylene | Anthracene | Benzo[a]anthracene | benzo[a]pyrene    | Benzo[b]fluoranthene | Benzo[k]fluoranthene | Benzo[ghi]perylene | benzo[k]fluoranthene | Chrysene | Dibenz[a,h]anthracene | Fluoranthene | fluorene | Indeno[1,2,3-c,d]pyrene | Carcinogenic PAHs as B[a]P TPE | Naphthalene | Phenanthrene                     | Pyrene | PAHs (Total)      | Total Positive PAHs | 1,2,4-trimethyl benzene | 1,3,5-trimethyl benzene    | Bromobenzene | Isopropylbenzene | Styrene | 1,2-dibromethane | 2-Butanone (MEK)     | 4-Methyl-2-pentanone (MIBK) | Bromoform                 | Bromomethane | Dibromomethane | Iodomethane | 1,2,4,5-tetrachlorobenzene | 1,2-dichlorobenzene | 1,3-dichlorobenzene | 1,4-dichlorobenzene | Aroclor 1016    | Aroclor 1221    | Aroclor 1232    | Aroclor 1242    | Aroclor 1248    | Aroclor 1254    | Aroclor 1260    | PCBs (Total)    | Phenols (Total) |                 |     |
| NEPM 2013 EIL - Urban Residential (generic and derived, aged)               | mg/kg                            | mg/kg          | mg/kg      | mg/kg              | mg/kg             | mg/kg                | mg/kg                | mg/kg              | mg/kg                | mg/kg    | mg/kg                 | mg/kg        | mg/kg    | mg/kg                   | mg/kg                          | mg/kg       | mg/kg                            | mg/kg  | mg/kg             | mg/kg               | mg/kg                   | mg/kg                      | mg/kg        | mg/kg            | mg/kg   | mg/kg            | mg/kg                | mg/kg                       | mg/kg                     | mg/kg        | mg/kg          | mg/kg       | mg/kg                      | mg/kg               | mg/kg               | mg/kg               | mg/kg           | mg/kg           | mg/kg           | mg/kg           | mg/kg           | mg/kg           | mg/kg           | mg/kg           | mg/kg           | mg/kg           |     |
| NEPM 2013 EIL Urban Residential and Public Open Space, Coarse Soil          |                                  |                |            |                    | 0.7 <sup>NE</sup> |                      |                      |                    |                      |          |                       |              |          |                         |                                | 170         |                                  |        |                   |                     |                         |                            |              |                  |         |                  |                      |                             |                           |              |                |             |                            |                     |                     |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |
| NEPM 2013 Mgmt Limits - Residential, Parkland and Public Open Space, Coarse |                                  |                |            |                    |                   |                      |                      |                    |                      |          |                       |              |          |                         |                                |             |                                  |        |                   |                     |                         |                            |              |                  |         |                  |                      |                             |                           |              |                |             |                            |                     |                     |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |
| NEPM 2013 Soil HSL A                                                        |                                  |                |            |                    |                   |                      |                      |                    |                      |          |                       |              |          |                         | 3 <sup>NE</sup>                |             |                                  |        | 300 <sup>NE</sup> |                     |                         |                            |              |                  |         |                  |                      |                             |                           |              |                |             |                            |                     |                     | 1 <sup>NE</sup>     | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 1 <sup>NE</sup> | 300 |
| NEPM 2013 Soil HSL A & HSL B for Vapour Intrusion - Sand 0 to <1m           |                                  |                |            |                    |                   |                      |                      |                    |                      |          |                       |              |          |                         |                                | 3           |                                  |        |                   |                     |                         |                            |              |                  |         |                  |                      |                             |                           |              |                |             |                            |                     |                     |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |
| NEPM 2013 Soil HSL A & HSL B for Vapour Intrusion - Sand 1 to <2m           |                                  |                |            |                    |                   |                      |                      |                    |                      |          |                       |              |          |                         |                                | NL          |                                  |        |                   |                     |                         |                            |              |                  |         |                  |                      |                             |                           |              |                |             |                            |                     |                     |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |
| NEPM 2013 Soil HSL A & HSL B for Vapour Intrusion - Sand 2 to <4m           |                                  |                |            |                    |                   |                      |                      |                    |                      |          |                       |              |          |                         |                                | NL          |                                  |        |                   |                     |                         |                            |              |                  |         |                  |                      |                             |                           |              |                |             |                            |                     |                     |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |
| NEPM 2013 Soil HSL A & HSL B for Vapour Intrusion - Sand 4m+                |                                  |                |            |                    |                   |                      |                      |                    |                      |          |                       |              |          |                         |                                | NL          |                                  |        |                   |                     |                         |                            |              |                  |         |                  |                      |                             |                           |              |                |             |                            |                     |                     |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |

| Field_ID       | Depth     | Date     | Location | Matrix  | Reference  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | - |
|----------------|-----------|----------|----------|---------|------------|------|------|------|------|-------|-----|------|------|-----|------|------|------|------|------|------|-------|------|-------|-------|------|---|---|---|---|---|---|---|---|------|------|------|------|------|------|------|------|------|------|---|
| BH10/4.0-4.1   | 4-4.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | 0.09  | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | 0.1  | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | 0.2   | 0.38  | -    | - | - | - | - | - | - | - | - | -    | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | - |
| BH10/5.0-5.1   | 5-5.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH10/6.0-6.1   | 6-6.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH10/7.0-7.1   | 7-7.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH10/7.5-7.6   | 7.5-7.6   | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH10/8.0-8.1   | 8-8.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/1.0-1.1   | 1-1.1     | 22-03-01 | Lot 9    | FILL    | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/2.0-2.1   | 2-2.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/3.0-3.1   | 3-3.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | 0.1  | <0.1 | 0.09  | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | 0.2  | <0.1 | <0.1 | <0.5 | <0.1  | 0.1  | 0.2   | 0.76  | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/4.0-4.1   | 4-4.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/5.0-5.1   | 5-5.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/6.0-6.1   | 6-6.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/7.0-7.1   | 7-7.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/7.8-7.9   | 7.8-7.9   | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | 0.06  | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | 0.06  | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH11/8.0-8.1   | 8-8.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH14/1.0-1.1   | 1-1.1     | 22-03-01 | Lot 9    | FILL    | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1  | <0.1 | <0.1  | <1.55 | -    | - | - | - | - | - | - | - | - | -    | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |   |
| BH14/1.5-1.6   | 1.5-1.6   | 22-03-01 | Lot 9    | FILL    | ES 2014**  | <0.1 | 0.2  | 0.3  | 1.5  | 1.2   | -   | 2.2  | 0.7  | -   | <0.1 | <0.1 | 2.5  | <0.1 | 1    | 2    | <0.1  | 1    | 3.1   | 15    | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH14/2.5-2.6   | 2.5-2.6   | 22-03-01 | Lot 9    | FILL    | ES 2014**  | <0.1 | 0.6  | 0.7  | 2.4  | 2.2   | -   | 3.7  | 1.3  | -   | <0.1 | <0.1 | 4.8  | 0.2  | 1.8  | 3    | 0.1   | 2.7  | 5.2   | 28    | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH14/3.0-3.1   | 3-3.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | 0.1  | 0.06  | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | 0.2  | <0.1 | <0.1 | <0.5 | <0.1  | 0.1  | 0.2   | 0.7   | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH14/4.0-4.1   | 4-4.1     | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | 0.2  | 0.3  | 0.7  | 0.77  | -   | 1.1  | 0.4  | -   | 0.1  | 0.1  | 1.6  | 0.1  | 0.4  | 1    | 0.1   | 1.3  | 1.8   | 9.8   | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH15/1.5-1.6   | 1.5-1.6   | 22-03-01 | Lot 9    | FILL    | ES 2014**  | 0.1  | <0.1 | 0.3  | 1.1  | 1     | -   | 1.9  | 0.6  | -   | 0.1  | 0.1  | 3.1  | 0.2  | 0.6  | 2    | 0.2   | 2.2  | 2.8   | 16    | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH15/3.0-3.1   | 3-3.1     | 22-03-01 | Lot 9    | FILL    | ES 2014**  | <0.1 | 0.1  | 0.2  | 0.4  | 0.27  | -   | 0.5  | 0.1  | -   | <0.1 | <0.1 | 1    | <0.1 | 0.2  | <0.5 | <0.1  | 0.8  | 1     | 4.9   | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH15/4.5-4.6   | 4.5-4.6   | 22-03-01 | Lot 9    | NATURAL | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | 0.1  | <0.1 | <0.5 | <0.1 | 0.1   | 0.1  | 0.1   | 0.32  | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH16/1.0-1.1   | 1-1.1     | 22-03-01 | Lot 9    | FILL    | ES 2014**  | <0.1 | <0.1 | 0.1  | 0.5  | 0.59  | -   | 0.9  | 0.3  | -   | <0.1 | <0.1 | 1    | <0.1 | 0.3  | 1    | <0.1  | 0.5  | 1.2   | 6     | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH16/2.0-2.1   | 2-2.1     | 22-03-01 | Lot 9    | FILL    | ES 2014**  | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1 | <0.1  | <0.1 | <1.55 | -     | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH16/4.5-4.6   | 4.5-4.6   | 22-03-01 | Lot 9    | NATURAL | ES 2014b** | <0.1 | <0.1 | <0.1 | <0.1 | <0.05 | -   | <0.2 | <0.1 | -   | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <0.1 | <0.1  | <0.1 | <1.55 | -     | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH23/0.0-0.1   | 0-0.1     | 19-04-93 | Lot 9    | FILL    | Jet 1993** | -    | -    | -    | -    | -     | -   | -    | -    | -   | -    | -    | -    | -    | -    | -    | -     | -    | -     | -     | -    | - | - | - | - | - | - | - | - | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.7 | -    |      |   |
| BH23/0.5-1.0   | 0.5-1     | 19-04-93 | Lot 9    | FILL    | Jet 1993** | -    | -    | 0.3  | 0.5  | 1     | 1.1 | 1.4  | 0.6  | 0.6 | -    | 0.8  | 0.3  | 1.6  | 0.1  | 0.8  | 1.848 | 0.1  | 1     | -     | 11.8 | - | - | - | - | - | - | - | - | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |   |
| BH23/1.5-2.0   | 1.5-2     | 19-04-93 | Lot 9    | FILL    | Jet 1993** | -    | -    | -    | -    | -     | -   | -    | -    | -   | -    | -    | -    | -    | -    | -    | -     | -    | -     | -     | -    | - | - | - | - | - | - | - | - | -    | -    | -    | -    | -    | -    | -    | -    | -    |      |   |
| BH23/3.0-3.5   | 3-3.5     | 19-04-93 | Lot 9    | NATURAL | Jet 1993** | -    | -    | -    | -    | -     | -   | -    | -    | -   | -    | -    | -    | -    | -    | -    | -     | -    | -     | -     | -    | - | - | - | - | - | - | - | - | -    | -    | -    | -    | -    | -    | -    | -    | -    |      |   |
| BH23/4.5-5.0   | 4.5-5     | 19-04-93 | Lot 9    | NATURAL | Jet 1993** | -    | -    | -    | -    | -     | -   | -    | -    | -   | -    | -    | -    | -    | -    | -    | -     | -    | -     | -     | -    | - | - | - | - | - | - | - | - | -    | -    | -    | -    | -    | -    | -    | -    | -    |      |   |
| BH23/6.0-6.5   | 6-6.5     | 19-04-93 | Lot 9    | NATURAL | Jet 1993** | -    | -    | -    | -    | -     | -   | -    | -    | -   | -    | -    | -    | -    | -    | -    | -     | -    | -     | -     | -    | - | - | - | - | - | - | - | - | -    | -    | -    | -    | -    | -    | -    | -    | -    |      |   |
| BH23/7.35-7.85 | 7.35-7.85 | 19-04-93 | Lot 9    | NATURAL | Jet 1993** | -    | -    | -    | -    | -     | -   | -    | -    | -   | -    | -    | -    | -    | -    | -    | -     | -    | -     | -     | -    | - | - | - | - | - | - | - | - | -    | -    | -    | -    | -    | -    | -    | -    | -    |      |   |
| BH24/0.0-0.1   | 0-0.1     | 19-04-93 | Lot 9    | FILL    | Jet 1993** | -    | -    | -    | -    | -     | -   | -    | -    | -   | -    | -    | -    | -    | -    | -    | -     | -    | -     | -     | -    | - | - | - | - | - | - | - | - | -    | -    | -    | -    | -    | -    | -    | -    | -    |      |   |
| BH24/1.5-2-    |           |          |          |         |            |      |      |      |      |       |     |      |      |     |      |      |      |      |      |      |       |      |       |       |      |   |   |   |   |   |   |   |   |      |      |      |      |      |      |      |      |      |      |   |

Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible][illegible]

**Env Stds Comments**

- #5: ESLs are of moderate reliability.
- #6: ESLs are of low reliability.
- #7: ESLs are of moderate reliability. To obtain F1 subtract the sum of BTEX from C5-C10.
- #8: Management limits of BTEX and naphthalene are not available, hence should not be subtracted from the relevant fractions to obtain F1.
- #9: Limits applied after consideration of relevant ESLs and HSLs
- #10: Key limitations of HSL should be referred to prior to application in Friebele and Nadebaum (2011a and 2011b).
- #11: TV adopted from Chromium (VI)
- #12: TV assumptions of HSLs presented in Friebele and Nadebaum (2011a and 2011b).
- #13: Refer to HSL and soil saturation concentration limit.
- #14: Derivative setting HSLs A, B, HSLs E, and S are based on  $<1m$  criteria adopted. Evidence quantifies further interpretation.
- #15: Refer to Section 8.2 and Appendix J in Friebele and Nadebaum (2011a).
- #16: HMLs may be multiplied by a factor to account for biodegradation of vapour
- #17: HML relates to non-dioxin-like PCBs only. If PCB source is suspected a site-specific assessment should be undertaken
- #18: To obtain F2 subtract naphthalene from  $<C10-C16$ .
- #19: To obtain F3 subtract the sum of BTEX from C5-C10.

Jet 1993<sup>1</sup> Report not reviewed, data presented in DP 2005a

HLA 2001<sup>1</sup> Report not reviewed, data presented in DP 2005a

Jet 1993<sup>1</sup> Report not reviewed, data presented in ES 2014b

HLA 2001<sup>1</sup> Report not reviewed, data presented in ES 2014b

DP 2008<sup>1</sup> Report not reviewed, data presented in ES 2014b

CMP/S&P 1994<sup>1</sup> Report not reviewed, data presented in ES 2014b

Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]

| Fold_ID               | Depth   | Date     | Location | Matrix | Reference |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|---------|----------|----------|--------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Let 8 Analytical Data |         |          |          |        |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| BH12/0.1-0.2          | 0.1-0.2 | 22-03-14 | Lot 8    | FILL   | ES 2014a  | <0.1 | <0.2 | <0.1 | <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 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |



Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible][illegible]



Table A: Soil Analytical Results Lots 8 and 9  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible][illegible]

**Env Stds Comments**

- #5: ESLs are of moderate reliability.
- #6: ESLs are of low reliability.
- #7: ESLs are of moderate reliability. To obtain F1 subtract the sum of BTEX from C5-C10.
- #8: Management limits of BTEX and naphthalene are not available, hence should not be subtracted from the relevant fractions to obtain F1.
- #9: Limits applied after consideration of relevant ESLs and HSLs
- #10: Key limitations of HSL should be referred to prior to application in FriebeI and Nadebaum (2011a and 2011b).
- #11: TV adopted from Chromium (VI)
- #12: TV assumptions of HSLs presented in FriebeI and Nadebaum (2011a and 2011b).
- #13: Refer to HSL and soil saturation concentration limit.
- #14: Derivative setting HSLs A, B, HSLs E, S and D to <1m criteria adopted. Evidence quantifies further interpretation.
- #15: Refer to Section 8.2 and Appendix J in FriebeI and Nadebaum (2011a).
- #16: HMLs may be multiplied by a factor to account for biodegradation of vapour
- #17: HMLs relate to non-dioxin-like PCBs only. If PCB source is suspected a site-specific assessment should be undertaken
- #18: To obtain F2 subtract naphthalene from <C10-C16.
- #19: To obtain F3 subtract the sum of BTEX from C5-C10.

Jet 1993<sup>1</sup> Report not reviewed, data presented in DP 2005a

HLA 2001<sup>1</sup> Report not reviewed, data presented in DP 2005a

Jet 1993<sup>1</sup> Report not reviewed, data presented in ES 2014b

HLA 2001<sup>1</sup> Report not reviewed, data presented in ES 2014b

DP 2008<sup>1</sup> Report not reviewed, data presented in ES 2014b

CMP&SG 1994<sup>1</sup> Report not reviewed, data presented in ES 2014b

Table B: Soil Analytical Results Lot 12  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]

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[illegible][illegible]

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Project Number: 51142  
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JBS&G

| Metals & Metalloids |                 |         |                  |        |       |                     |        |       |                           |                       |                           | Chlorinated Alkanes   |                    |                        |                    |                     |                     |                      |                      |              |            |               |                      | Chlorinated Alkenes     |                 |                        |                               |                    |                |                    |                           |                          |                           |                 |                | TPHs (NEPC 1999) |                  |                  |                  |                  |                  | TRHs (NEPC 2013) |                  |                  |                      |                       |                               | BTEx    |              |         |                |            |                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  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| Asbestos ID in Soil | Arsenic (Total) | Cadmium | Chromium (Total) | Copper | Lead  | Mercury (Inorganic) | Nickel | Zinc  | 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 | Bromodichloromethane | Carbon tetrachloride | Chloroethane | Chloroform | Chloromethane | Dibromochloromethane | Dichlorodifluoromethane | Dichloromethane | Trichlorofluoromethane | 1,1,1,2,2-tetrachloroethylene | 1,1-Dichloroethene | 1-chloroethene | 1,2-dichloroethene | trans-1,3-dichloropropene | trans-1,2-dichloroethene | trans-1,3-dichloropropene | Trichloroethene | Vinyl Chloride | C6-C9 Fraction   | C10-C14 Fraction | C15-C28 Fraction | C10-C36 Fraction | C10-C16 Fraction | C29-C36 Fraction | C6-C10 Fraction  | C10-C16 Fraction | C16-C34 Fraction | C16-C34-C40 Fraction | C6-C10 less BTEx (#1) | C10-C16 less Naphthalene (#2) | Benzene | Ethylbenzene | Toluene | Xylene (m & p) | Xylene (o) | Xylene (Total) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  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| g/kg                | mg/kg           | mg/kg   | mg/kg            | mg/kg  | mg/kg | mg/kg               | mg/kg  | mg/kg | mg/kg                     | mg/kg                 | mg/kg                     | mg/kg                 | mg/kg              | mg/kg                  | mg/kg              | mg/kg               | mg/kg               | mg/kg                | mg/kg                | mg/kg        | mg/kg      | mg/kg         | mg/kg                | mg/kg                   | mg/kg           | mg/kg                  | mg/kg                         | mg/kg              | mg/kg          | mg/kg              | mg/kg                     | mg/kg                    | mg/kg                     | mg/kg           | mg/kg          | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg                | mg/kg                 | mg/kg                         | mg/kg   | mg/kg        | mg/kg   | mg/kg          | mg/kg      | mg/kg          | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |

Table B: Soil Analytical Results Lot 12  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]





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[illegible][illegible]

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Table B: Soil Analytical Results Lot 12  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]



Table B: Soil Analytical Results Lot 12  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible][illegible]

[illegible]



Table B: Soil Analytical Results Lot 12  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]



Table B: Soil Analytical Results Lot 12  
Project Number: 51142  
Project Name: Australian Technology Park

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Env Stds Comments



Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commercial/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]

Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commercial/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]

Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commercial/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]

Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commercial/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]



Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commercial/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]



Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commercial/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]

Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commerical/industrial)  
Project Number: 51142  
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[illegible]

Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commerical/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]



Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commercial/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

| Organophosphorus Pesticides                                      |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   | Other |
|------------------------------------------------------------------|---------|--------------|---------------------|----------|------------|--------|-----------------------|--------------|--------|---------|------------------|---------|---|---|---|---|---|-------|
|                                                                  | mg/kg   | Chlorpyrifos | Chlorpyrifos-methyl | Diazinon | Dimethoate | Ethion | Ethionethanesulfonate | Fenitrothion | Ronnel | Safrole | Dinitro-o-cresol | Dinoseb |   |   |   |   |   |       |
|                                                                  |         | mg/kg        | mg/kg               | mg/kg    | mg/kg      | mg/kg  | mg/kg                 | mg/kg        | mg/kg  | mg/kg   | mg/kg            |         |   |   |   |   |   |       |
| NEPM 2013 EIL - Commercial Industrial (generic and site derived) |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| NEPM 2013 ESL Commercial and Industrial, Coarse Soil             |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| NEPM 2013 Mgmt Limits - Commercial and Industrial, Coarse        |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| NEPM 2013 Soil HIL D                                             |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| 2000                                                             |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 0 to <1m        |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 1 to <2m        |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 2 to <4m        |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 4m+             |         |              |                     |          |            |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| Field_ID                                                         | Depth   | Date         | Location            | Matrix   | Reference  |        |                       |              |        |         |                  |         |   |   |   |   |   |       |
| BH48/0.0-0.1                                                     | 0-0.1   | 7-05-1993    | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH48/0.5-1.0                                                     | 0.5-1   | 7-05-1993    | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH48/1.5-2.0                                                     | 1.5-2   | 7-05-1993    | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH48/4.5-5.0                                                     | 4.5-5   | 7-05-1993    | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH48/6.0-6.5                                                     | 6-6.5   | 7-05-1993    | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH48/7.5-8.0                                                     | 7.5-8   | 7-05-1993    | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH49/0.5-1.0                                                     | 0.5-1   | 11-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH60/0.0-0.1                                                     | 0-0.1   | 17-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH60/3.0-3.5                                                     | 3-3.5   | 17-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH60/4.0-4.5                                                     | 4-4.5   | 17-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH60/6.0-6.5                                                     | 6-6.5   | 17-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH60/9.0-9.5                                                     | 9-9.5   | 17-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH61/0.0-0.1                                                     | 0-0.1   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH61/0.5-1.0                                                     | 0.5-1   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH61/1.5-2.0                                                     | 1.5-2   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH61/3.0-3.5                                                     | 3-3.5   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH61/4.5-5.0                                                     | 4.5-5   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH61/6.0-6.5                                                     | 6-6.5   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH61/7.5-8.0                                                     | 7.5-8   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH62/0.0-0.1                                                     | 0-0.1   | 17-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH63/0.0-0.1                                                     | 0-0.1   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH63/0.5-1.0                                                     | 0.5-1   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH64/0.0-0.1                                                     | 0-0.1   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH64/0.5-1.0                                                     | 0.5-1   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH64/1.5-2.0                                                     | 1.5-2   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH64/3.0-3.5                                                     | 3-3.5   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH65/0.5-1.0                                                     | 0.5-1   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH65/1.5-2.0                                                     | 1.5-2   | 18-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH65/3.0-3.5                                                     | 3-3.5   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH65/4.5-5.0                                                     | 4.5-5   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH65/6.0-6.5                                                     | 6-6.5   | 18-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH69/0.5-1.0                                                     | 0.5-1   | 20-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH69/1.5-2.0                                                     | 1.5-2   | 20-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH69/3.0-3.5                                                     | 3-3.5   | 20-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH71/0.0-0.1                                                     | 0-0.1   | 20-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH71/0.5-1.0                                                     | 0.5-1   | 20-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH71/1.5-2.0                                                     | 1.5-2   | 20-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH73/3.0-3.5                                                     | 3-3.5   | 21-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH74/6.0-6.5                                                     | 6-6.5   | 21-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH77/3.0-3.5                                                     | 3-3.5   | 21-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH77/4.5-5.0                                                     | 4.5-5   | 21-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH77/6.0-6.5                                                     | 6-6.5   | 21-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH77/7.5-8.0                                                     | 7.5-8   | 21-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BH77/9.0-9.5                                                     | 9-9.5   | 21-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH1/0.0-0.1                                                    | 0-0.1   | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH1/0.5-0.6                                                    | 0.5-0.6 | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH1/0.7-0.8                                                    | 0.7-0.8 | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH10/0.0-0.1                                                   | 0-0.1   | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH10/0.3-0.5                                                   | 0.3-0.5 | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH11/0.0-0.1                                                   | 0-0.1   | 27-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH11/0.3-0.5                                                   | 0.3-0.5 | 27-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH11/0.8-1.0                                                   | 0.8-1   | 27-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH12/0.0-0.1                                                   | 0-0.1   | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH12/0.3-0.5                                                   | 0.3-0.5 | 23-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH12/0.8-1.0                                                   | 0.8-1   | 23-07-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH2/0.0-0.1                                                    | 0-0.1   | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH2/0.5-0.6                                                    | 0.5-0.6 | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH2/0.9-1.0                                                    | 0.9-1   | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH3/0.0-0.1                                                    | 0-0.1   | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH3/0.5-0.6                                                    | 0.5-0.6 | 27-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH4/0.0-0.1                                                    | 0-0.1   | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH4/0.5-0.6                                                    | 0.5-0.6 | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH5/0.0-0.1                                                    | 0-0.1   | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH5/0.5-0.6                                                    | 0.5-0.6 | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH5/0.9-1.0                                                    | 0.9-1   | 27-05-1993   | Area 1              | NATURAL  | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH6/0.0-0.1                                                    | 0-0.1   | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH6/0.5-0.6                                                    | 0.5-0.6 | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH6/0.9-1.0                                                    | 0.9-1   | 27-05-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH8/0.0-0.1                                                    | 0-0.1   | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH8/0.2-0.3                                                    | 0.2-0.3 | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH8/0.3-0.5                                                    | 0.3-0.5 | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH8/0.8-1.0                                                    | 0.8-1   | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH9/0.0-0.1                                                    | 0-0.1   | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHAH9/0.3-0.5                                                    | 0.3-0.5 | 23-07-1993   | Area 1              | FILL     | JET 1993*  | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHLoc1/0.2-5.0                                                   | 0.2-5   | 14-12-2011   | Area 1              | FILL     | GETEX 2011 | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHLoc2/0.2-5.0                                                   | 0.2-5   | 14-12-2011   | Area 1              | FILL     | GETEX 2011 | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |
| BHLoc3/0.2-5.0                                                   | 0.2-5   | 14-12-2011   | Area 1              | FILL     | GETEX 2011 | -      | -                     | -            | -      | -       | -                | -       | - | - | - | - | - | -     |

Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commercial/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

| Organophosphorus Pesticides                                      |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       | Other |       |
|------------------------------------------------------------------|--------------|---------------------|----------|------------|--------------|-----------------------|--------------|--------|---------|------------------|---------|-------|-------|-------|-------|-------|-------|
|                                                                  | Chlorpyrifos | Chlorpyrifos-methyl | Diazinon | Dimethoate | Ethion       | Ethionethanesulfonate | Fenitrothion | Ronnel | Safrole | Dinitro-o-cresol | Dinoseb |       |       |       |       |       |       |
|                                                                  |              |                     |          |            |              |                       |              |        |         |                  |         | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| NEPM 2013 EIL - Commercial Industrial (generic and site derived) |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| NEPM 2013 ESL Commercial and Industrial, Coarse Soil             |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| NEPM 2013 Mgrt Limits - Commercial and Industrial, Coarse        |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| NEPM 2013 Soil HIL D                                             |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| 2000                                                             |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 0 to <1m        |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 1 to <2m        |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 2 to <4m        |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 4m+             |              |                     |          |            |              |                       |              |        |         |                  |         |       |       |       |       |       |       |
| Field_ID                                                         | Depth        | Date                | Location | Matrix     | Reference    |                       |              |        |         |                  |         |       |       |       |       |       |       |
| BHLoc4/0.2-5.0                                                   | 0.2-5        | 14-12-2011          | Area 1   | FILL       | GETEX 2011   | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BHLoc5/0.2-5.0                                                   | 0.2-5        | 14-12-2011          | Area 1   | FILL       | GETEX 2011   | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BHN/0.1-0.2                                                      | 0.1-0.2      | 9-08-2010           | Area 1   | FILL       | ES 2010      | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BHN/0.6-0.7                                                      | 0.6-0.7      | 9-08-2010           | Area 1   | FILL       | ES 2010      | <0.1                  | <0.1         | <0.1   | <0.1    | <0.1             | -       | <0.1  | <0.1  | -     | -     | -     | -     |
| BHN/0.8-0.9                                                      | 0.8-0.9      | 9-08-2010           | Area 1   | FILL       | ES 2010      | <0.1                  | <0.1         | <0.1   | <0.1    | <0.1             | -       | <0.1  | <0.1  | -     | -     | -     | -     |
| BHN/3.4-3.5                                                      | 3.4-3.5      | 9-08-2010           | Area 1   | NATURAL    | ES 2010      | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BHS/0.1-0.2                                                      | 0.1-0.2      | 9-08-2010           | Area 1   | FILL       | ES 2010      | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BHS/0.4-0.5                                                      | 0.4-0.5      | 9-08-2010           | Area 1   | FILL       | ES 2010      | <0.1                  | <0.1         | <0.1   | <0.1    | <0.1             | -       | <0.1  | <0.1  | -     | -     | -     | -     |
| BHS/1.3-1.4                                                      | 1.3-1.4      | 9-08-2010           | Area 1   | FILL       | ES 2010      | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BHS/3.3-3.4                                                      | 3.3-3.4      | 9-08-2010           | Area 1   | NATURAL    | ES 2010      | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BHGN/3.3-3.4                                                     | 3.3-3.4      | 9-08-2010           | Area 1   | NATURAL    | ES 2010      | <0.1                  | <0.1         | <0.1   | <0.1    | <0.1             | -       | <0.1  | <0.1  | -     | -     | -     | -     |
| BHGS/3.3-3.4                                                     | 3.3-3.4      | 9-08-2010           | Area 1   | NATURAL    | ES 2010      | <0.1                  | <0.1         | <0.1   | <0.1    | <0.1             | -       | <0.1  | <0.1  | -     | -     | -     | -     |
| TP64A/0.4-0.5                                                    | 0.4-0.5      | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP64A/1.0-1.1                                                    | 1-1.1        | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP64B/0.4-0.5                                                    | 0.4-0.5      | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP64B/1.0-1.1                                                    | 1-1.1        | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP64C/0.5-0.6                                                    | 0.5-0.6      | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP64C/0.6-0.7                                                    | 0.6-0.7      | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP64C/1.3-1.4                                                    | 1.3-1.4      | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP64D/0.6-0.7                                                    | 0.6-0.7      | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP64D/1.6-1.7                                                    | 1.6-1.7      | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP96/0.5-0.6                                                     | 0.5-0.6      | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP96/0.9-1.0                                                     | 0.9-1        | 12-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP97/0.7-0.8                                                     | 0.7-0.8      | 11-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP97/0.7-0.8(2)                                                  | 0.7-0.8      | 11-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP97/1.3-1.4                                                     | 1.3-1.4      | 11-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP97/1.7-1.8                                                     | 1.7-1.8      | 11-08-1994          | Area 1   | NATURAL    | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP97/1.8-1.9                                                     | 1.8-1.9      | 11-08-1994          | Area 1   | NATURAL    | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP98/0.8-0.9                                                     | 0.8-0.9      | 11-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP98/0.8-0.9(2)                                                  | 0.8-0.9      | 11-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP98/1.4-1.5                                                     | 1.4-1.5      | 11-08-1994          | Area 1   | FILL       | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP98/1.4-1.5(2)                                                  | 1.4-1.5      | 11-08-1994          | Area 1   | NATURAL    | CMP&F 1994*  | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH45/0.0-0.1                                                     | 0-0.1        | 10-05-1993          | Area 2   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH45/0.5-1.0                                                     | 0.5-1        | 10-05-1993          | Area 2   | NATURAL    | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH45/1.5-2.0                                                     | 1.5-2        | 10-05-1993          | Area 2   | NATURAL    | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH46/0.0-0.1                                                     | 0-0.1        | 7-05-1993           | Area 2   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH46/0.5-1.0                                                     | 0.5-1        | 7-05-1993           | Area 2   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH46/3.0-3.5                                                     | 3-3.5        | 7-05-1993           | Area 2   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH47/0.5-1.0                                                     | 0.5-1        | 7-05-1993           | Area 2   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH47/1.5-2.0                                                     | 1.5-2        | 7-05-1993           | Area 2   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH51/0.3-0.4                                                     | 0.3-0.4      | 8-03-2013           | Area 2   | FILL       | GTEx 2013    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH52/0.2-0.3                                                     | 0.2-0.3      | 8-03-2013           | Area 2   | FILL       | GTEx 2013    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH53/0.3-0.4                                                     | 0.3-0.4      | 8-03-2013           | Area 2   | FILL       | GTEx 2013    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH54/0.1-0.2                                                     | 0.1-0.2      | 8-03-2013           | Area 2   | FILL       | GTEx 2013    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH55/0.2-0.3                                                     | 0.2-0.3      | 8-03-2013           | Area 2   | FILL       | GTEx 2013    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH56/0.2-0.3                                                     | 0.2-0.3      | 8-03-2013           | Area 2   | FILL       | GTEx 2013    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH57/0.1-0.2                                                     | 0.1-0.2      | 8-03-2013           | Area 2   | FILL       | GTEx 2013    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH58/0.25-0.35                                                   | 0.25-0.35    | 8-03-2013           | Area 2   | FILL       | GTEx 2013    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP99/0.2-0.3                                                     | 0.2-0.3      | 12-08-1994          | Area 2   | FILL       | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP99/1.6-1.7                                                     | 1.6-1.7      | 12-08-1994          | Area 2   | NATURAL    | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP99/1.8-1.9                                                     | 1.8-1.9      | 12-08-1994          | Area 2   | NATURAL    | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP99/2.0-2.1                                                     | 2-2.1        | 12-08-1994          | Area 2   | NATURAL    | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH51/0.0-0.1                                                     | 0-0.1        | 12-05-1993          | Area 3   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH51/0.5-1.0                                                     | 0.5-1        | 12-05-1993          | Area 3   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH51/1.5-2.0                                                     | 1.5-2        | 12-05-1993          | Area 3   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP115/0.3-0.4                                                    | 0.3-0.4      | 12-08-1994          | Area 3   | FILL       | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP115/0.6-0.7                                                    | 0.6-0.7      | 12-08-1994          | Area 3   | FILL       | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| TP115/0.9-1.0                                                    | 0.9-1        | 12-08-1994          | Area 3   | FILL       | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH14/0.5-1.0                                                     | 0.5-1        | 22-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH14/1.5-2.0                                                     | 1.5-2        | 22-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH14/3.0-3.5                                                     | 3-3.5        | 22-04-1993          | Area 4   | NATURAL    | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH14/4.5-5.0                                                     | 4.5-5        | 22-04-1993          | Area 4   | NATURAL    | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH2/0.0-0.1                                                      | 0-0.1        | 19-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH2/1.5-2.0                                                      | 1.5-2        | 19-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH2/4.5-5.0                                                      | 4.5-5        | 19-04-1993          | Area 4   | NATURAL    | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH21/0.0-0.1                                                     | 0-0.1        | 28-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH22/0.0-0.1                                                     | 0-0.1        | 28-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH22/0.5-1.0                                                     | 0.5-1        | 28-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH22/1.5-2.0                                                     | 1.5-2        | 28-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH4/0.0-0.1                                                      | 0-0.1        | 20-04-1993          | Area 4   | FILL       | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH4/3.0-3.5                                                      | 3-3.5        | 20-04-1993          | Area 4   | NATURAL    | JET 1993*    | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH607/0.0-0.5                                                    | 0-0.5        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | <1               | -       | -     | <1    | <10   | <1    | -     | -     |
| BH607/0.5-1.0                                                    | 0.5-1        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH607/1.0-1.5                                                    | 1-1.5        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH607/3.0-3.5                                                    | 3-3.5        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH608/0.0-0.5                                                    | 0-0.5        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |
| BH608/0.5-1.0                                                    | 0.5-1        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       | -     | -     | -     | -     | -     | -     |



Table C: Soil Analytical Data Results Roadways and Pedestrian Easements (commerical/industrial)  
Project Number: 51142  
Project Name: Australian Technology Park

| Organophosphorus Pesticides                                                                                                        |              |                     |          |            |              |                       |              |        |         |                  |         | Other |
|------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|----------|------------|--------------|-----------------------|--------------|--------|---------|------------------|---------|-------|
|                                                                                                                                    | Chlorpyrifos | Chlorpyrifos-methyl | Diazinon | Dimethoate | Ethion       | Ethionethanesulfonate | Fenitrothion | Romnel | Safrole | Dinitro-o-cresol | Dinoseb |       |
|                                                                                                                                    | mg/kg        | mg/kg               | mg/kg    | mg/kg      | mg/kg        | mg/kg                 | mg/kg        | mg/kg  | mg/kg   | mg/kg            | mg/kg   |       |
| NEPM 2013 EIL - Commercial Industrial (generic and site derived)                                                                   |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| NEPM 2013 ESL Commercial and Industrial, Coarse Soil                                                                               |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| NEPM 2013 Mgrt Limits - Commercial and Industrial, Coarse                                                                          |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| NEPM 2013 Soil HIL D                                                                                                               |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| 2000                                                                                                                               |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 0 to <1m                                                                          |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 1 to <2m                                                                          |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 2 to <4m                                                                          |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| NEPM 2013 Soil HSL D for Vapour Intrusion - Sand 4m+                                                                               |              |                     |          |            |              |                       |              |        |         |                  |         |       |
|                                                                                                                                    |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| Field_ID                                                                                                                           | Depth        | Date                | Location | Matrix     | Reference    |                       |              |        |         |                  |         |       |
| BH608/1.0-1.5                                                                                                                      | 1-1.5        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH608/1.5-2.0                                                                                                                      | 1.5-2        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH608/2.0-2.3                                                                                                                      | 2-2.3        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH608/2.4-2.9                                                                                                                      | 2.4-2.9      | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH609/0.1-0.5                                                                                                                      | 0.1-0.5      | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH610A/0.1-0.5                                                                                                                     | 0.1-0.5      | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH611/0.4-0.5                                                                                                                      | 0.4-0.5      | 16-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH611/0.5-1.0                                                                                                                      | 0.5-1        | 16-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH611/1.5-2.0                                                                                                                      | 1.5-2        | 16-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | <1      | -                | -       |       |
| BH611/2.0-2.5                                                                                                                      | 2-2.5        | 16-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH611/3.5-4.0                                                                                                                      | 3.5-4        | 16-10-2007          | Area 4   | NATURAL    | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH612/0.0-0.5                                                                                                                      | 0-0.5        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH612/0.5-1.0                                                                                                                      | 0.5-1        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH612/1.0-1.5                                                                                                                      | 1-1.5        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | <1      | -                | <1      |       |
| BH612/2.5-3.0                                                                                                                      | 2.5-3        | 10-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH613/0.4-0.5[2]                                                                                                                   | 0.4-0.5      | 16-10-2007          | Area 4   | FILL       | DP 2010*     | -                     | -            | -      | -       | -                | -       |       |
| BH93/0.5-0.6                                                                                                                       | 0.5-0.6      | 9-01-2001           | Area 4   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH93/1.0-1.4[2]                                                                                                                    | 1-1.4        | 9-01-2001           | Area 4   | NATURAL    | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH510/0.3-0.4                                                                                                                      | 0.3-0.3      | 8-03-2013           | Area 4   | FILL       | GETEX 2013*  | -                     | -            | -      | -       | -                | -       |       |
| BH511/0.3-0.4                                                                                                                      | 0.3-0.3      | 8-03-2013           | Area 4   | FILL       | GETEX 2013*  | -                     | -            | -      | -       | -                | -       |       |
| BH59/0.3-0.4                                                                                                                       | 0.3-0.3      | 8-03-2013           | Area 4   | FILL       | GETEX 2013*  | -                     | -            | -      | -       | -                | -       |       |
| TP105/0.5-0.6                                                                                                                      | 0.5-0.6      | 12-08-1994          | Area 4   | FILL       | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       |       |
| TP105/1.0-1.1                                                                                                                      | 1-1.1        | 12-08-1994          | Area 4   | FILL       | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       |       |
| TP105/1.5-1.6                                                                                                                      | 1.5-1.6      | 12-08-1994          | Area 4   | FILL       | CMPS&F 1994* | -                     | -            | -      | -       | -                | -       |       |
| BH19/0.0                                                                                                                           | 0-0          | 27-04-1993          | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH19/0.5-1.0                                                                                                                       | 0.5-1        | 27-04-1993          | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH20/0.0                                                                                                                           | 0-0          | 27-04-1993          | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH20/0.5-1.0                                                                                                                       | 0.5-1        | 27-04-1993          | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH20/1.5-2.0                                                                                                                       | 1.5-2        | 27-04-1993          | Area 6   | NATURAL    | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH67/0.5                                                                                                                           | 0.5-0.5      | 12-01-2001          | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH68/0.6-0.7[3]                                                                                                                    | 0.6-0.7      | 12-01-2001          | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH70/0.5                                                                                                                           | 0.5-0.5      | 8-01-2001           | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH70/2.0-2.45                                                                                                                      | 2-2.45       | 8-01-2001           | Area 6   | NATURAL    | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH71/0.8-1.0                                                                                                                       | 0.8-1        | 12-01-2001          | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH99/0.8-1.0                                                                                                                       | 0.8-1        | 9-01-2001           | Area 6   | FILL       | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| BH99/2.0-2.45                                                                                                                      | 2-2.45       | 9-01-2001           | Area 6   | NATURAL    | HLA 2001*    | -                     | -            | -      | -       | -                | -       |       |
| Env Stds Comments                                                                                                                  |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #5:ESLs are of moderate reliability.                                                                                               |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #6:ESLs are of low reliability.                                                                                                    |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #7:ESLs are of moderate reliability. To obtain F1 subtract the sum of BTEX from C6-C10.                                            |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #8:Management limits of BTEX and naphthalene are not available, hence should not be subtracted from the relevant fractions to obti |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #9:Limits applied after consideration of relevant ESLs and HSLs                                                                    |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #10:Key limitations of HSL should be referred to prior to application in Friebel and Nadebaum (2011b and 2011d).                   |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #11:TV adopted from Chromium (VI)                                                                                                  |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #12:Assumptions of HSL are presented in Friebel and Nadebaum (2011a and 2011b).                                                    |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #13:Refer to HSL and soil saturation concentration limit.                                                                          |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #14:Refer to Section 8.2 and Appendix J in Friebel and Nadebaum (2011a).                                                           |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #15:TV maybe be multiplied by a factor to account for biodegradation of vapour                                                     |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #16:HIL relates to non-dioxin-like PCBs only. If PCB source is suspected a site-specific assessment should be undertaken           |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #17:To obtain F2 subtract naphthalene from >C10-C16.                                                                               |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| #18:To obtain F1 subtract the sum of BTEX from C6-C10.                                                                             |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| JET 1993* Report not reviewed, data preented in ES 2014e                                                                           |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| CMP&F 1994* Report not reviewed, data preented in ES 2014e                                                                         |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| DP 2010* Report not reviewed, data preented in ES 2014e                                                                            |              |                     |          |            |              |                       |              |        |         |                  |         |       |
| HLA 2001* Report not reviewed, data preented in ES 2014e                                                                           |              |                     |          |            |              |                       |              |        |         |                  |         |       |



Table D: Soil Analytical Results (recreational area)  
Project Number: 51142  
Project Name: Australian Technology Park



|                                                                             | Metals & Metalloids |         |                   |        |                   |                     |        |       | TPHs           |                  |                  |                  | TRHs (NEPC 2013) | BTEX             |                  | Polycyclic Aromatic Hydrocarbons |                                  |                  |                  |                  |              |                |            |                    |                   |                      |                      |                      |                      | Phenols  |                       |              |          |                         |                                |             |                 |        |              |                   |       |
|-----------------------------------------------------------------------------|---------------------|---------|-------------------|--------|-------------------|---------------------|--------|-------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|------------------|------------------|------------------|--------------|----------------|------------|--------------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------|-----------------------|--------------|----------|-------------------------|--------------------------------|-------------|-----------------|--------|--------------|-------------------|-------|
|                                                                             | Arsenic (Total)     | Cadmium | Chromium (Total)  | Copper | Lead              | Mercury (Inorganic) | Nickel | Zinc  | C6-C9 Fraction | C10-C14 Fraction | C15-C28 Fraction | C29-C38 Fraction | C6-C36 Fraction  | C10-C36 Fraction | C15-C36 Fraction | C29-C38 Fraction                 | >C10 - C16 less Naphthalene (F2) | Benzene          | Ethylbenzene     | Toluene          | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene    | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-c,d)pyrene | Carcinogenic PAHs as B[a]P TPE | Naphthalene | Phenanthrene    | Pyrene | PAHs (Total) | Phenols (Total)   |       |
| mg/kg                                                                       | mg/kg               | mg/kg   | mg/kg             | mg/kg  | mg/kg             | mg/kg               | mg/kg  | mg/kg | mg/kg          | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg                            | mg/kg                            | mg/kg            | mg/kg            | mg/kg            | mg/kg        | mg/kg          | mg/kg      | mg/kg              | mg/kg             | mg/kg                | mg/kg                | mg/kg                | mg/kg                | mg/kg    | mg/kg                 | mg/kg        | mg/kg    | mg/kg                   | mg/kg                          | mg/kg       | mg/kg           | mg/kg  | mg/kg        | mg/kg             | mg/kg |
| NEPM 2013 EL - Urban Residential (generic and site derived)                 | 100                 |         | 250               | 210    | 1100              |                     | 270    | 590   |                |                  |                  |                  |                  |                  |                  |                                  |                                  |                  |                  |                  |              |                |            |                    |                   |                      |                      |                      |                      |          |                       |              |          |                         |                                |             |                 |        |              |                   |       |
| NEPM 2013 ESL Urban Residential and Public Open Space, Coarse Soil          |                     |         |                   |        |                   |                     |        |       | 180            | 120              | 300              | 300              |                  | 300              | 300              |                                  | 120 <sup>vi</sup>                | 50 <sup>vi</sup> | 70 <sup>vi</sup> | 85 <sup>vi</sup> |              |                |            |                    | 0.7 <sup>vi</sup> |                      |                      |                      |                      |          |                       |              |          |                         |                                | 170         |                 |        |              |                   |       |
| NEPM 2013 Mgmt Limits - Residential, Parkland and Public Open Space, Coarse |                     |         |                   |        |                   |                     |        |       | 700            | 1000             | 2500             | 2500             |                  |                  |                  | 2500                             |                                  |                  |                  |                  |              |                |            |                    |                   |                      |                      |                      |                      |          |                       |              |          |                         |                                |             |                 |        |              |                   |       |
| NEPM 2013 Soil HIL C                                                        | 300 <sup>vi</sup>   | 90      | 300 <sup>vi</sup> | 17000  | 600 <sup>vi</sup> | 80 <sup>vi</sup>    | 1200   | 30000 |                |                  |                  |                  |                  |                  |                  |                                  |                                  |                  |                  |                  |              |                |            |                    |                   |                      |                      |                      |                      |          |                       |              |          |                         |                                |             | 3 <sup>vi</sup> |        |              | 300 <sup>vi</sup> |       |

[illegible]

**Env Study Comments**

#5: ESLs are of moderate reliability.

#6: ESLs are of low reliability.

#7: Key limitations of HSL should be referred to prior to application in FriebeI and Nadebaum (2011b and 201d).

#8: TV adopted from Chromium (VI)

#9: Assumptions of HSL are presented in FriebeI and Nadebaum (2011a and 2011b).

#10: Refer to HSL and soil saturation concentration limit.

#11: Refer to Section 8.2 and Appendix i in FriebeI and Nadebaum (2011a).

#12: TV maybe be multiplied by a factor to account for biodegradation of vapour

JET 1993\* Report not reviewed, data obtained from ES 2014e  
CMPS&F 1994\* Report not reviewed, data obtained from ES 2014e  
HLA 2001\* Report not reviewed, data obtained from ES 2014e

Table D: Soil Analytical Results (recreational area)  
Project Number: 51142  
Project Name: Australian Technology Park



|                                                                             | Organochlorine Pesticides |                                  |           |          |                 |          |       |       |       |                            |           |           |                 |                  |                 |                     |        |                 |               |            |                    |         |              |                   |           |
|-----------------------------------------------------------------------------|---------------------------|----------------------------------|-----------|----------|-----------------|----------|-------|-------|-------|----------------------------|-----------|-----------|-----------------|------------------|-----------------|---------------------|--------|-----------------|---------------|------------|--------------------|---------|--------------|-------------------|-----------|
|                                                                             | Aldrin                    | Aldrin + Dieldrin (Sum of Total) | alpha-BHC | beta-BHC | alpha-Chlordane | Dieldrin | DDD   | DDE   | DDT   | DDT+DDE+DDD (Sum of Total) | delta-BHC | Chlordane | gamma-Chlordane | Endosulfan alpha | Endosulfan beta | Endosulfan sulphate | Endrin | Endrin aldehyde | Endrin ketone | Heptachlor | Heptachlor Epoxide | Lindane | Methoxychlor | Pentachlorophenol | 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     |
| NEPM 2013 EIL - Urban Residential (generic and site derived)                |                           |                                  |           |          |                 |          |       |       | 180   |                            |           |           |                 |                  |                 |                     |        |                 |               |            |                    |         |              |                   |           |
| NEPM 2013 ESL Urban Residential and Public Open Space, Coarse Soil          |                           |                                  |           |          |                 |          |       |       |       |                            |           |           |                 |                  |                 |                     |        |                 |               |            |                    |         |              |                   |           |
| NEPM 2013 Mgmt Limits - Residential, Parkland and Public Open Space, Coarse |                           |                                  |           |          |                 |          |       |       |       |                            |           |           |                 |                  |                 |                     |        |                 |               |            |                    |         |              |                   |           |
| NEPM 2013 Soil HIL C                                                        | 10                        |                                  |           |          |                 |          |       |       |       | 400                        |           | 70        |                 |                  |                 |                     | 20     |                 |               | 10         |                    |         | 400          | 120               | 30        |

| Field_ID                       | Depth     | Date     | Location | Matrix  | Reference    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|--------------------------------|-----------|----------|----------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Area 5 Soil Analytical Results |           |          |          |         |              |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| BH12/0.0-0.1                   | 0-0.1     | 21-04-93 | Area 5   | FILL    | JET 1993*    | <0.0049 | <0.098  | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0147 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 |
| BH12/0.5-1.0                   | 0.5-1     | 21-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12/1.5-2.0                   | 1.5-2     | 21-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12/3.0-3.5                   | 3-3.5     | 21-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12/4.5-5.0                   | 4.5-5     | 21-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12/7.5-8.0                   | 7.5-8     | 21-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12A/0.5                      | 0.5-0.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12A/1.0                      | 1-1       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12A/1.5                      | 1.5-1.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12A/2.0                      | 2-2       | 12-08-94 | Area 5   | NATURAL | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12C/0.5                      | 0.5-0.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12C/1.0                      | 1-1       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12C/1.5                      | 1.5-1.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12C/2.0                      | 2-2       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12D/0.5                      | 0.5-0.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12D/1.0                      | 1-1       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12D/1.5                      | 1.5-1.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH12D/2.0                      | 2-2       | 12-08-94 | Area 5   | NATURAL | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH13/0.0-0.1                   | 0-0.1     | 22-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH13/0.5-1.0                   | 0.5-1     | 22-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH13/1.5-2.0                   | 1.5-2     | 22-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH13/3.0-3.5                   | 3-3.5     | 22-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH13/4.5-5.0                   | 4.5-5     | 22-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH13/6.0-6.5                   | 6-6.5     | 22-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH15/0.0-0.1                   | 0-0.1     | 22-04-93 | Area 5   | FILL    | JET 1993*    | <0.0046 | <0.0092 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0138 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 |
| BH15/0.5-1.0                   | 0.5-1     | 23-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH16/0.0-0.1                   | 0-0.1     | 23-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH16/0.5-1.0                   | 0.5-1     | 23-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH16/1.5-2.0                   | 1.5-2     | 23-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18/0.0-0.1                   | 0-0.1     | 27-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18/0.5-1.0                   | 0.5-1     | 27-04-93 | Area 5   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18/1.5-2.0                   | 1.5-2     | 27-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18/4.5-5.0                   | 4.5-5     | 27-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18/6.85-7.35                 | 6.85-7.35 | 27-04-93 | Area 5   | NATURAL | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18A/0.5                      | 0.5-0.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18A/1.0                      | 1-1       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18A/1.0                      | 1-1       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18A/1.5                      | 1.5-1.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18B/0.5                      | 0.5-0.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18B/1.0                      | 1-1       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18B/1.5                      | 1.5-1.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18B/2.0                      | 2-2       | 12-08-94 | Area 5   | NATURAL | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18C/1.0                      | 1-1       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18C/1.5                      | 1.5-1.5   | 12-08-94 | Area 5   | NATURAL | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18D/0.5                      | 0.5-0.5   | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18D/1.0                      | 1-1       | 12-08-94 | Area 5   | FILL    | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH18D/2.0                      | 2-2       | 12-08-94 | Area 5   | NATURAL | CMPS&F 1994* | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH97/0.2                       | 0.2-0.2   | 04-01-01 | Area 5   | FILL    | HLA 2001*    | -       | -       | -       | <0.05   | <0.05   | -       | -       | -       | -       | <0.05   | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| Area 7 Soil Analytical Results |           |          |          |         |              |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| BH24/1.5-2.0(2)                | 1.5-2     | 28-04-93 | Area 7   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH24B/0.5                      | 0.5-0.5   | 12-08-94 | Area 7   | FILL    | CMPS&F 1994  | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH24B/1.0                      | 1-1       | 12-08-94 | Area 7   | FILL    | CMPS&F 1994  | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH24B/1.5                      | 1.5-1.5   | 12-08-94 | Area 7   | FILL    | CMPS&F 1994  | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH24C/0.8                      | 0.8-0.8   | 12-08-94 | Area 7   | FILL    | CMPS&F 1994  | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH24D/1.0                      | 1-1       | 12-08-94 | Area 7   | FILL    | CMPS&F 1994  | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| BH78/0.5                       | 0.5-0.5   | 08-01-01 | Area 7   | FILL    | HLA 2001*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| ERBH24/0.0                     | 0-0       | 28-04-93 | Area 7   | FILL    | JET 1993*    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |

Env Stds Comments

#5 ESLs are of moderate reliability.

#6 ESLs are of low reliability.

#7 Key limitations of HSL should be referred to prior to application in FriebeI and Nadebaum (2011b and 2011d).

#8 TV adopted from Chromium (VI)

#9 Assumptions of HSL are presented in FriebeI and Nadebaum (2011a and 2011b).

#10 Refer to HSL and soil saturation concentration limit.

#11 Refer to Section 8.2 and Appendix J in FriebeI and Nadebaum (2011a).

#12 TV maybe be multiplied by a factor to account for biodegradation of vapour

JET 1993\* Report not reviewed, data obtained from ES 2014e

CMPS&F 1994\* Report not reviewed, data obtained from ES 2014e

HLA 2001\* Report not reviewed, data obtained from ES 2014e

Table E: Groundwater Analytical Results  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]

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[illegible]



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[illegible]

Env Sys Comments

#1:H  
#2:C,H  
#3:B  
#4:S,H  
#5:C  
#6:C  
#7:Adopted from WHO Drinking Water Guideline (2011)  
#8:TV Calculated using hardness of 30mg/L CaCO<sub>3</sub>. refer to ANZECC & ARMACANZ (2000) for site specific  
#9:TV adopted from the ADWQ (2011) Updated March 2015.  
#10:Possible bioaccumulation & secondary poisoning, refer to ANZECC & ARMACANZ (2000) for further  
#11:TV Calculated using hardness of 30mg/L CaCO<sub>3</sub>. May not protect key species from chronic toxicity.  
#12:TV Calculated using hardness of 30mg/L CaCO<sub>3</sub>, possible bioaccumulation & secondary poisoning.  
#13:TV Calculated using hardness of 30mg/L CaCO<sub>3</sub>, possible bioaccumulation & secondary poisoning, refer to ANZECC & ARMACANZ (2000) for further  
#14:TV Calculated using hardness of 30mg/L CaCO<sub>3</sub>. TV May not protect key species from chronic toxic  
#15:TV May not protect key species from chronic toxicity, refer to ANZECC & ARMACANZ (2000) for further  
#16:to obtain F1 subtract the sum of BTEX from Cx-C10.  
#17:to obtain F2 subtract naphthalene from <X10-C16.  
#18:Multiple factor not applied  
\* Data presented in ES (2004)

Table E: Groundwater Analytical Results  
Project Number: 51142  
Project Name: Australian Technology Park



JBS&G

|                                                                          |      |          | Polychlorinated Biphenyls |              |              |                    |                     |              | Phenols      |              | Miscellaneous Industrial Chemicals |                                    |       |                                  |         |           |          |          |     |                      | Organochlorine Pesticides |                            |                     |          |                 |                  |                 |                     |                     |                 |               |           |                   |              |                      | Organophosphorus Pesticides |                     |         |           |            |        |             |              |       |  |  |  |  |
|--------------------------------------------------------------------------|------|----------|---------------------------|--------------|--------------|--------------------|---------------------|--------------|--------------|--------------|------------------------------------|------------------------------------|-------|----------------------------------|---------|-----------|----------|----------|-----|----------------------|---------------------------|----------------------------|---------------------|----------|-----------------|------------------|-----------------|---------------------|---------------------|-----------------|---------------|-----------|-------------------|--------------|----------------------|-----------------------------|---------------------|---------|-----------|------------|--------|-------------|--------------|-------|--|--|--|--|
| Field_ID                                                                 | Date | Location | Aroclor 1016              | Aroclor 1221 | Aroclor 1232 | Aroclor 1242       | Aroclor 1248        | Aroclor 1254 | Aroclor 1260 | PCBs (Total) | Phenols (Total)                    | Miscellaneous Industrial Chemicals |       |                                  |         |           |          |          |     |                      |                           | Organochlorine Pesticides  |                     |          |                 |                  |                 |                     |                     |                 |               |           |                   |              |                      |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
|                                                                          |      |          | µg/L                      | µg/L         | µg/L         | µg/L               | µg/L                | µg/L         | µg/L         | µg/L         | µg/L                               | Hexachlorobutadiene                | Adrin | Alidin + Dieldrin (Sum of Total) | 4,4-DDE | Alpha-BHC | Dieldrin | Beta-BHC | DDD | DDT                  | Alpha-Chlordane           | DDT+DDE+DDD (Sum of Total) | Chlordane           | Beta-BHC | Gamma-Chlordane | Endosulfan alpha | Endosulfan beta | Endosulfan sulphate | Endrin              | Endrin aldehyde | Endrin ketone | Mepachlor | Mepachlor Epoxide | Methoxychlor | Bromophos ethyl      | Chlorpyrifos                | Chlorpyrifos-methyl | Basinon | Dichloros | Dimethoate | Ethion | Ethoprophos | Fenitrothion | Fenel |  |  |  |  |
| ANZECC & ARMICANZ 2000 MW 95% - Disturbed                                |      |          |                           |              |              |                    |                     |              |              |              |                                    |                                    | 0.7   |                                  | 0.3     |           |          |          |     | 9                    |                           |                            | 2                   |          |                 |                  |                 |                     |                     |                 |               |           | 0.3               |              |                      | 0.009 <sup>91</sup>         | 10                  | 4       | 5         | 7          | 4      | 1           | 7            |       |  |  |  |  |
| NEPM 2013 GIL - Drinking Water                                           |      |          |                           |              |              |                    |                     |              |              |              |                                    |                                    |       |                                  |         |           |          |          |     | 0.009 <sup>102</sup> |                           |                            | 0.01 <sup>102</sup> |          |                 |                  |                 |                     | 0.01 <sup>102</sup> |                 |               |           |                   |              | 0.009 <sup>102</sup> |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
| NEPM 2013 GIL - Marine Waters                                            |      |          |                           |              |              | 0.3 <sup>102</sup> | 0.01 <sup>102</sup> |              |              |              |                                    |                                    |       |                                  |         |           |          |          |     |                      |                           |                            |                     |          |                 |                  |                 |                     | 0.04 <sup>103</sup> |                 |               |           |                   |              | 0.009 <sup>103</sup> |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
| NEPM 2013 Groundwater HSL A & HSL B for Vapour Intrusion - Sand 2 to <4m |      |          |                           |              |              |                    |                     |              |              |              |                                    |                                    |       |                                  |         |           |          |          |     |                      |                           |                            |                     |          |                 |                  |                 |                     |                     |                 |               |           |                   |              |                      |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
| NEPM 2013 Groundwater HSL A & HSL B for Vapour Intrusion - Sand 4 to <4m |      |          |                           |              |              |                    |                     |              |              |              |                                    |                                    |       |                                  |         |           |          |          |     |                      |                           |                            |                     |          |                 |                  |                 |                     |                     |                 |               |           |                   |              |                      |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
| NEPM 2013 Groundwater HSL A & HSL B for Vapour Intrusion - Sand 8m+      |      |          |                           |              |              |                    |                     |              |              |              |                                    |                                    |       |                                  |         |           |          |          |     |                      |                           |                            |                     |          |                 |                  |                 |                     |                     |                 |               |           |                   |              |                      |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
| NEPM 2013 Groundwater HSL D for Vapour Intrusion - Sand 2 to <4m         |      |          |                           |              |              |                    |                     |              |              |              |                                    |                                    |       |                                  |         |           |          |          |     |                      |                           |                            |                     |          |                 |                  |                 |                     |                     |                 |               |           |                   |              |                      |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
| NEPM 2013 Groundwater HSL D for Vapour Intrusion - Sand 4 to <4m         |      |          |                           |              |              |                    |                     |              |              |              |                                    |                                    |       |                                  |         |           |          |          |     |                      |                           |                            |                     |          |                 |                  |                 |                     |                     |                 |               |           |                   |              |                      |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
| NEPM 2013 Groundwater HSL D for Vapour Intrusion - Sand 8m+              |      |          |                           |              |              |                    |                     |              |              |              |                                    |                                    |       |                                  |         |           |          |          |     |                      |                           |                            |                     |          |                 |                  |                 |                     |                     |                 |               |           |                   |              |                      |                             |                     |         |           |            |        |             |              |       |  |  |  |  |
| ANZECC & ARMICANZ 2000 Recreational                                      |      |          |                           |              |              |                    |                     |              |              |              |                                    | 7                                  |       | 3                                |         |           |          |          |     | 90                   |                           |                            | 20                  |          |                 |                  |                 |                     |                     |                 |               | 3         |                   | 3000         | 100                  | 100                         |                     | 40      | 50        | 70         | 40     | 10          | 70           |       |  |  |  |  |

| Field_ID | Date     | Location | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | <0.2   | -      | -      | -      | <0.2   | -      | -      | <0.4   | -      | -      | <0.4   | -      | -      | -      | -      | -      | -      | -      | -      | -      | <0.4   | -      | -      | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | -      | <0.2   | <0.2   | -      | <0.2   | <0.2   | -      | <0.2 |
|----------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| MW101    | 02-05-03 | Area 1   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | <0.2   | 0      | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | 0      | -      | <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   |      |
| MW101    | 03-05-10 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | 0     | -     | <1   | <0.2   | 0.4    | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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   |        |      |
| MW101    | 20-12-10 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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 |
| MW101    | 12-01-11 | Area 1   | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <1   | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | -      | <0.002 |        |      |
| MW101    | 14-12-11 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.01  | <0.02  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.03  | -      | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  |      |
| MW102    | 03-05-10 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | 0     | -     | <1   | <0.2   | 0      | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | 0      | -      | <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   |        |        |      |
| MW102    | 20-12-10 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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   |        |      |
| MW102    | 12-01-11 | Area 1   | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <1   | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |      |
| MW102    | 14-12-11 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.01  | <0.02  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.03  | -      | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  |      |
| MW103    | 19-03-10 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | 0     | -     | <1   | <0.2   | 0      | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | 0      | -      | <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   |      |
| MW103    | 20-12-10 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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 |
| MW103    | 12-01-11 | Area 1   | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <1   | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |      |
| MW103    | 14-12-11 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.01  | <0.02  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.03  | -      | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  | <0.01  |      |
| MW103    | 02-08-12 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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   |      |
| MW103    | 05-02-13 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <0.2 | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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   |      |
| MW103    | 16-07-13 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <0.2 | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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   |      |
| MW103    | 31-01-14 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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 |
| MW103    | 25-03-15 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <1   | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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 |
| MW49     | 27-05-93 | Area 1   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |        |      |
| MWAH1    | 03-08-12 | Area 1   | <2    | <2    | <2    | <2    | <2    | <2    | <2    | -     | -     | <0.2 | <0.2   | <0.4   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.6   | -      | <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   |        |        |        |        |        |        |        |      |

Table E: Groundwater Analytical Results  
Project Number: 51142  
Project Name: Australian Technology Park

[illegible]



Table F: TCLP Analytical Results  
Project Number: 51142  
Project Name: Australian Technology Park



|                                                    |                    |                   |                  |                    | Metals & Metalloids |         |                  |        |       |                     |        |      |              |                | Polycyclic Aromatic Hydrocarbons |                    |                |                        |                      |          |                       |              |          |                        |             |              |        |              |        |  |
|----------------------------------------------------|--------------------|-------------------|------------------|--------------------|---------------------|---------|------------------|--------|-------|---------------------|--------|------|--------------|----------------|----------------------------------|--------------------|----------------|------------------------|----------------------|----------|-----------------------|--------------|----------|------------------------|-------------|--------------|--------|--------------|--------|--|
|                                                    |                    |                   |                  |                    | Arsenic (Total)     | Cadmium | Chromium (Total) | Copper | Lead  | Mercury (Inorganic) | Nickel | Zinc | Acenaphthene | Acenaphthylene | Anthracene                       | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b,k)fluoranthene | Benzo(g,h,i)perylene | Chrysene | Dibenz(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | Naphthalene | Phenanthrene | Pyrene | PAHs (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                   | mg/L        | mg/L         | mg/L   | mg/L         | mg/L   |  |
| NSW EPA 2014 General Solid Waste (with leached)    |                    |                   |                  |                    | 5                   | 1       | 5                |        | 5     | 0.2                 | 2      |      |              |                |                                  |                    |                | 0.04                   |                      |          |                       |              |          |                        |             |              |        |              |        |  |
| NSW EPA 2014 Restricted Solid Waste (with leached) |                    |                   |                  |                    | 20                  | 4       | 20               |        | 20    | 0.8                 | 8      |      |              |                |                                  |                    |                | 0.16                   |                      |          |                       |              |          |                        |             |              |        |              |        |  |
| Field_ID                                           | Sample_Depth_Range | Sampled_Date/Time | Monitoring_Round | Matrix_Description |                     |         |                  |        |       |                     |        |      |              |                |                                  |                    |                |                        |                      |          |                       |              |          |                        |             |              |        |              |        |  |
| BH12/0.1-0.2                                       | 0.1-0.2            | 22-03-2014        | Lot 8            | FILL               | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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            |        |  |
| BH12/1.0-1.1                                       | 1-1.1              | 22-03-2014        | Lot 8            | FILL               | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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            |        |  |
| BH12/2.0-2.1                                       | 2-2.1              | 22-03-2014        | Lot 8            | FILL               | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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            |        |  |
| BH12/3.0-3.1                                       | 3-3.1              | 22-03-2014        | Lot 8            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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  | <0.001       | 0.001  |  |
| BH12/4.0-4.1                                       | 4-4.1              | 22-03-2014        | Lot 8            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH13/0.2-0.3                                       | 0.2-0.3            | 22-03-2014        | Lot 8            | FILL               | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH13/1.0-1.1                                       | 1-1.1              | 22-03-2014        | Lot 8            | FILL               | <0.05               | <0.01   | <0.01            | -      | 0.02  | <0.0005             | 0.02   | -    | <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  | <0.001       | 0.001  |  |
| BH13/2.0-2.1                                       | 2-2.1              | 22-03-2014        | Lot 8            | FILL               | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH13/3.0-3.1                                       | 3-3.1              | 22-03-2014        | Lot 8            | FILL               | 0.05                | <0.01   | <0.01            | -      | 0.08  | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH13/4.0-4.1                                       | 4-4.1              | 22-03-2014        | Lot 8            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH13/5.0-5.1                                       | 5-5.1              | 22-03-2014        | Lot 8            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       | 0.001  |  |
| BH324/1.0-1.1                                      | 1-1.1              | 1-06-2005         | Lot 8            | FILL               | <0.05               | <0.006  | <0.005           | 0.03   | <0.04 | <0.0005             | 0.02   | 0.86 | -            | -              | -                                | -                  | <0.0005        | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | 0      |  |
| BH327/0.8-1.0                                      | 0.8-1              | 1-06-2005         | Lot 8            | FILL               | <0.05               | <0.006  | <0.005           | 0.14   | 0.08  | <0.0005             | 0.03   | 0.42 | -            | -              | -                                | -                  | <0.0005        | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | 0.002  |  |
| BH328/0.0-0.1                                      | 0-0.1              | 1-06-2005         | Lot 8            | FILL               | <0.05               | <0.006  | <0.005           | <0.01  | <0.04 | <0.0005             | 0.12   | 0.06 | -            | -              | -                                | -                  | <0.0005        | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | 0.0005 |  |
| BH401/0.5-0.6                                      | 0.5-0.6            | 23-11-2007        | Lot 8            | FILL               | -                   | -       | -                | -      | 0.07  | -                   | -      | -    | -            | -              | -                                | -                  | <0.001         | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | -      |  |
| BH402/0.5-0.6                                      | 0.5-0.6            | 23-11-2007        | Lot 8            | FILL               | -                   | -       | -                | -      | <0.03 | -                   | <0.02  | -    | -            | -              | -                                | -                  | -              | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | -      |  |
| BH404/0.5-1.0                                      | 0.5-1              | 23-11-2007        | Lot 8            | FILL               | -                   | -       | -                | -      | 0.2   | -                   | <0.02  | -    | -            | -              | -                                | -                  | <0.001         | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | -      |  |
| BH405/0.3-0.5                                      | 0.3-0.5            | 23-11-2007        | Lot 8            | FILL               | -                   | -       | -                | -      | 0.22  | -                   | -      | -    | -            | -              | -                                | -                  | -              | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | -      |  |
| BH405/0.7-1.0                                      | 0.7-1              | 23-11-2007        | Lot 8            | FILL               | -                   | -       | -                | -      | -     | -                   | -      | -    | -            | -              | -                                | -                  | <0.001         | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | -      |  |
| BH406/0.5-1.0                                      | 0.5-1              | 23-11-2007        | Lot 8            | FILL               | -                   | -       | -                | -      | 0.08  | -                   | <0.02  | -    | -            | -              | -                                | -                  | <0.001         | -                      | -                    | -        | -                     | -            | -        | -                      | -           | -            | -      | -            | -      |  |
| BH10/1.0-1.1                                       | 1-1.1              | 22-03-2001        | Lot 9            | FILL               | <0.05               | <0.01   | 0.02             | -      | <0.03 | <0.0005             | 0.03   | -    | <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 | <0.001       | 0      |  |
| BH10/2.0-2.1                                       | 2-2.1              | 22-03-2001        | Lot 9            | FILL               | <0.05               | 0.02    | <0.01            | -      | 0.6   | <0.0005             | 0.03   | -    | <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 | <0.001       | 0      |  |
| BH10/3.0-3.1                                       | 3-3.1              | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | <0.02  | -    | <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  | <0.001       | 0.001  |  |
| BH10/4.0-4.1                                       | 4-4.1              | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH10/7.0-7.1                                       | 7-7.1              | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH10/7.5-7.6                                       | 7.5-7.6            | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH10/8.0-8.1                                       | 8-8.1              | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH11/1.0-1.1                                       | 1-1.1              | 22-03-2001        | Lot 9            | FILL               | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | 0.03   | -    | <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 | <0.001       | 0      |  |
| BH11/2.0-2.1                                       | 2-2.1              | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH11/3.0-3.1                                       | 3-3.1              | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | 0.1   | <0.0005             | 0.02   | -    | <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 | <0.001       | 0      |  |
| BH11/4.0-4.1                                       | 4-4.1              | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       | 0      |  |
| BH11/5.0-5.1                                       | 5-5.1              | 22-03-2001        | Lot 9            | NATURAL            | <0.05               | <0.01   |                  |        |       |                     |        |      |              |                |                                  |                    |                |                        |                      |          |                       |              |          |                        |             |              |        |              |        |  |

Table F: TCLP Analytical Results  
Project Number: 51142  
Project Name: Australian Technology Park



|                                                    |                    |                   |                  |                    | Metals & Metalloids |         |                  |        |       |                     |        |      |              |                | Polycyclic Aromatic Hydrocarbons |                    |                |                        |                      |          |                       |              |          |                         |             |              |        |              |      |  |  |
|----------------------------------------------------|--------------------|-------------------|------------------|--------------------|---------------------|---------|------------------|--------|-------|---------------------|--------|------|--------------|----------------|----------------------------------|--------------------|----------------|------------------------|----------------------|----------|-----------------------|--------------|----------|-------------------------|-------------|--------------|--------|--------------|------|--|--|
|                                                    |                    |                   |                  |                    | Arsenic (Total)     | Cadmium | Chromium (Total) | Copper | Lead  | Mercury (Inorganic) | Nickel | Zinc | Acenaphthene | Acenaphthylene | Anthracene                       | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b,k)fluoranthene | Benzo(g,h,i)perylene | Chrysene | Dibenz(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-c,d)pyrene | Naphthalene | Phenanthrene | Pyrene | PAHs (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                    | mg/L        | mg/L         | mg/L   | mg/L         | mg/L |  |  |
| NSW EPA 2014 General Solid Waste (with leached)    |                    |                   |                  |                    | 5                   | 1       | 5                |        |       | 0.2                 | 2      |      |              |                |                                  |                    |                | 0.04                   |                      |          |                       |              |          |                         |             |              |        |              |      |  |  |
| NSW EPA 2014 Restricted Solid Waste (with leached) |                    |                   |                  |                    | 20                  | 4       | 20               |        | 20    | 0.8                 | 8      |      |              |                |                                  |                    |                | 0.16                   |                      |          |                       |              |          |                         |             |              |        |              |      |  |  |
| Field_ID                                           | Sample_Depth_Range | Sampled_Date/Time | Monitoring_Round | Matrix_Description |                     |         |                  |        |       |                     |        |      |              |                |                                  |                    |                |                        |                      |          |                       |              |          |                         |             |              |        |              |      |  |  |
| BH2/4.0-4.1                                        | 4-4.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH2/5.0-5.1                                        | 5-5.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH3/0.5-0.6                                        | 0.5-0.6            | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | <0.01            | -      | 0.05  | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH3/1.0-1.1                                        | 1-1.1              | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH3/10.0-10.1                                      | 10-10.1            | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH3/11.0-11.1                                      | 11-11.1            | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | 0.05   | -    | <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 | 0.001        |      |  |  |
| BH3/12.0-12.1                                      | 12-12.1            | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | 0.3    | -    | <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 | <0.001       |      |  |  |
| BH3/2.0-2.1                                        | 2-2.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH3/3.0-3.1                                        | 3-3.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH3/4.0-4.1                                        | 4-4.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH3/4.7-4.8                                        | 4.7-4.8            | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | 0.03  | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH4/0.35-0.4                                       | 0.35-0.4           | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | <0.01            | -      | 0.1   | <0.0005             | 0.2    | -    | <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 | 0.004        |      |  |  |
| BH4A/1.0-1.1                                       | 1-1.1              | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | <0.01            | -      | 0.05  | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH4A/2.0-2.1                                       | 2-2.1              | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | 0.01             | -      | 0.04  | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH4A/3.0-3.1                                       | 3-3.1              | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH4A/4.0-4.1                                       | 4-4.1              | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH4A/5.0-5.1                                       | 5-5.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH5/0.1-0.2                                        | 0.1-0.2            | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | <0.01            | -      | 0.09  | <0.0005             | <0.02  | -    | <0.001       | 0.001          | <0.001                           | <0.001             | <0.001         | <0.002                 | <0.001               | <0.001   | <0.001                | <0.001       | 0.002    | <0.001                  | 0.002       | <0.001       | 0.002  | 0.005        |      |  |  |
| BH5/2.0-2.1                                        | 2-2.1              | 25-03-2014        | Lot 12           | FILL               | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH5/3.0-3.1                                        | 3-3.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH5/4.0-4.1                                        | 4-4.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | 0.04  | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH5/5.0-5.1                                        | 5-5.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH5/6.0-6.1                                        | 6-6.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH5/7.0-7.1                                        | 7-7.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH5/8.0-8.1                                        | 8-8.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH5/9.0-9.1                                        | 9-9.1              | 25-03-2014        | Lot 12           | NATURAL            | <0.05               | <0.01   | <0.01            | -      | <0.03 | <0.0005             | <0.02  | -    | <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 | <0.001       |      |  |  |
| BH52/0.0-0.1                                       | 0-0.1              | 11-05-1993        | Lot 12           | FILL               | <0.1                | -       | <0.05            | -      | 0.5   | -                   | -      | -    | -            | -              | -                                | -                  | -              | -                      | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -            |      |  |  |
| BH53/0.0-0.1                                       | 0-0.1              | 11-05-1993        | Lot 12           | FILL               | <0.1                | -       | <0.05            | -      | <0.1  | -                   | -      | -    | -            | -              | -                                | -                  | -              | -                      | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -            |      |  |  |
| BH53/0.0-0.5                                       | 0-0.5              | 5-01-2001         | Lot 12           | FILL               | -                   | -       | -                | -      | <0.1  | -                   | -      | -    | -            | -              | -                                | -                  | -              | -                      | -                    | -        | -                     | -            | -        | -                       | -           | -            | -      | -            |      |  |  |
| BH53/0.5-1.0                                       | 0.5-1              | 11-05-1993        | Lot 12           | FILL               | <0.1                | -       | <0.05            | -      | <0.1  | -                   | -      | -    | -            | -              | -</                              |                    |                |                        |                      |          |                       |              |          |                         |             |              |        |              |      |  |  |







## Appendix E Materials Characterisation Form Example

## Material Classification Form

MCF Reference # 1000 \_\_\_\_\_

|                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Completed by                                                                                                                                                                | Nathan Cussen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Date                                                                                                                                                                        | 24 July 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Material Identification<br>(Stockpile name and grid reference, importation source name and unique identification name etc.)                                                 | Type A Soils - Organic Garden Mix from Benedict Industries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source location<br>(Stockpile name and grid reference, source location and grid reference, off-site source address and description of source site residential, quarry etc.) | On site <input type="checkbox"/> Details:<br>Off site (Source Site) <input checked="" type="checkbox"/><br>Details: Stockpile located at Menangle Quarry Benedict Industries, Menangle Road, Menangle, NSW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| JBS&G material classification report reference                                                                                                                              | JBS&G 1000<br>Date: 24 July 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Summary of material characterisation report as prepared by JBS&G                                                                                                            | VENM <input type="checkbox"/> for importation<br>ENM <input type="checkbox"/><br>Reuse on Site <input type="checkbox"/><br>Waste Classification <input type="checkbox"/><br>Other <input checked="" type="checkbox"/> please describe<br>VENM silty sand blended with recovered fines topsoil, ash, fowl manure and composted organics to be imported to site                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Volume of material                                                                                                                                                          | Survey Information <input type="checkbox"/><br>Field Estimate <input type="checkbox"/><br>Required Quantity (off-site source) <input checked="" type="checkbox"/><br>Approximately 65 m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Material description (material type, colour, inclusions, etc.)                                                                                                              | Type A Organic Garden Mix – brown VENM alluvial silty sand and topsoil blended with recovered fines topsoil, ash, fowl manure and compost organics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Is the material free of ACM, staining and malodorous soils                                                                                                                  | Yes <input checked="" type="checkbox"/><br>No <input type="checkbox"/><br>Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| If assessment is of material from an off-site Source, is the material suitable for importation to the site?                                                                 | Yes, the material is suitable to be imported to site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| If assessment is for off-site disposal of material, what is the final waste classification / reuse exemption conclusion?                                                    | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| If the assessment is for reuse of the material at the site, is the material suitable for reuse                                                                              | Suitable for reuse:<br>- below the capping profile in road corridor <input type="checkbox"/><br>- above the capping profile in road corridor footprint and used in landscaped areas <input checked="" type="checkbox"/><br>- below the capping profile in recreational areas <input type="checkbox"/><br>- above the capping profile in recreational areas and used in landscaped areas <input checked="" type="checkbox"/><br>- below the marker layer in Lots 8 and 9 <input type="checkbox"/><br>- above the marker layer in Lots 8 and 9 and used within landscaped areas <input checked="" type="checkbox"/><br>- below the marker layer in Lot 12 <input type="checkbox"/><br>- above the marker layer in Lot 12 and used within landscaped areas <input checked="" type="checkbox"/> |
| Other comments:                                                                                                                                                             | Please ensure Benedict dockets are retained, the volume imported documented and all materials tracked in accordance with the materials tracking plan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Appendix F Materials Tracking Sheet Example

# Material Tracking Sheet Part A

MTS Reference # \_\_\_\_\_

[illegible]

## Material Tracking Sheet Part B

MTS Reference # \_\_\_\_\_

[illegible]

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