

# PORTWAY

## **ADDITIONAL INFORMATION PHASE 1 VALIDATION REPORT DETAILED SAMPLING AND REMEDIATION**

**FOR WORKS AT**

**FORMER CONTRACT CHEMICALS  
KNOWSLEY, LIVERPOOL**

**CLIENT: GRAFTONGATE  
INVESTMENTS LTD**

**Date: 15/08/2025**

**Ref: PTW25025 CR1**

**Portway Remediation**

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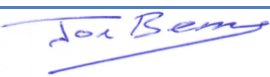
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### Document Revision Record

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| A1            | 18/08/2025 | Fully updated with new test data added to the older report |
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Portway has prepared this document under instruction of the above-named client for their sole specific use. Any third parties who use the information contained herein do so at their own risk.

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## 1.0 EXECUTIVE SUMMARY

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Portway was appointed by Knowsley Redevelopments Ltd to apply for the surrender of the Environment Agency issued permit at the former Contract Chemicals, Penrhyn Road, Knowsley in 2021. Portway was appointed again to assist with the discharge of planning conditions and verification reporting with remediation to suspected hotspots in 2025 following the site investigation and reporting by G and J Geoenvironmental Consultants Ltd for Knowsley Redevelopments Ltd who also recently produced the following documents.

Remediation Strategy and Verification Plan April 2025

DQRA March 2025

### Summary Principle Objectives

Listed below is a brief outline of the works completed in 2021:

- Formal decommissioning of all tanks, vessels and pipework (water flush with testing).
- Removal of all chemicals/wastes.
- Recovery of office files, reports and paperwork to assist with the surrender application.
- Demolition of the structures, buildings and removal of the concrete slab.
- Termination of internal services, (water, gas, power and drainage).

Listed below is a brief outline of the remedial works/actions carried out for this project following the production of the G and J site investigation and RMS;

- Monitoring of BH's and validation testing of soil on a 10m grid in the central section and 20m grid on the outer section of the site with groundwater sampling and testing.
- Verification Report for works.

This report should be read in conjunction with the reports and documents listed within the surrender application. Due to the large number of reports and incidents a complete list cannot be issued due to the large size as over 112 large binder files have been saved from the offices.

To reflect the good practice used on site, certain documents have been scanned in full or limited sections have been scanned as the general housekeeping recorded ALL events both major and minor. An example of a major event would be a spillage or a system failure within the chemical plant; a minor event could be someone on site using a mobile phone.

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## 2.0 INTRODUCTION

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### 2.1 Appointment

Portway was appointed by Knowsley Redevelopments Ltd to carry out the surrender application at the former Contract Chemicals Ltd, Penrhyn Road, Knowsley in 2021 and again in 2025 to undertake verification sampling and remediation.

### 2.2 Roles and Responsibilities

The project team responsible for the delivery of the remedial works is described in Table 1, below.

**Table 1 Summary of Roles**

| <i>Team Member</i>          | <i>Role</i>              |
|-----------------------------|--------------------------|
| GMI                         | Principle Contractor     |
| Portway Remediation Ltd     | Remediation Contractor   |
| G and J                     | Environmental Consultant |
| Knowsley Redevelopments Ltd | Client                   |

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## 3.0 SITE SETTINGS

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### 3.1 Site Details

|                            |                                                       |
|----------------------------|-------------------------------------------------------|
| Site Address               | Contract Chemicals, Penrhyn Road,<br>Prescot, L34 9HY |
| National Grid<br>Reference | SJ 43032 96683                                        |

### 3.2 Current Site Use

#### Site Description 2025

The site comprised of the former Chemical Works on a rectangular shaped parcel of land. The site is accessed from the south, off Penrhyn Road. The area had an impermeable surface due to the concrete covering, with all the former buildings demolished resulting in 2 large stockpiles of crushed material being placed within the site; a limited amount of vegetation was present around the periphery of the site. The surrounding area is heavy industrial.

The level across the site was generally flat.

#### Contaminative uses/structures

As detailed briefly above, and with reference to reporting undertaken by others previously, contaminated uses and associated structures present on site comprise:

Former chemical works with upper tier COMAH status (surrendered) and storage of hazardous chemicals and by products as permitted by the Environment Agency (surrendered).

#### Surrounding Area

The surrounding land uses are summarised below:

| Direction | Land Use       |
|-----------|----------------|
| North     | Main Road A580 |
| East      | Commercial     |
| South     | Commercial     |
| West      | Commercial     |

### 3.3 Redevelopment Plans

The site has been zoned for the use of commercial redevelopment.

### 3.4 Site Zoning

The site has only been subject to the installation of 6 rotary boreholes by G and J with additional sampling across the site as recorded within Phase 2 G and J investigation to obtain soil and wate samples from across the site to provide an overview of the general condition. In addition to this a grid of soil samples were taken from across the site as denoted within the G and J Remediation Strategy and Verification Report, dated April 2025. Samples were collected from a depth of 3m to near surface within the sandy matrix at depth and within the upper clay horizon. The sample location plan and results can be found within the appendix.

### **3.5 Geology**

Assessment of the geology can be found in Geo-Environmental Ground Investigation by AIG, dated 2001.

In summary the site is underlain by Shirdley Hill Sand overlying glacial deposits and Triassic Sandstone strata (Sherwood Sandstone).

The reported trial holes and boreholes noted that the upper 2m of the site strata comprised of a reworked clay.

### **3.6 Hydrogeology**

Assessment of the Hydrogeology can be found in DQRA by G and J, dated March 2025.

In summary the site and surrounding land is noted to be underlain by Devensian Till in the north and Shirdley Hill Sand Formation in the south and the bedrock is sandstone of the Chester Formation. A surficial layer of made ground covers the upper 2m comprising of reworked clay.

Further details can be found within DQRA produced by G and J Geoenvironmental Consultants Ref GJ224-03-R002-DQRA-V1 dated March 2025.

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## 4.0 DECOMMISSIONING

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The decommissioning that has been carried out on site is the full cleaning, purging and flushing of all chemical vessels and pipe work. Following this final decommissioning procedure, the water used to clean down each section was sampled and tested to prove that all systems had been correctly deep cleaned. Then the demolition was undertaken followed by the formal surrendering of site Permits issued by the Environment Agency and other Regulators was completed in 2021.

### 4.1 Statement – Site Operations and Closure

Contact Chemicals had in place several layers of safeguards to prevent uncontrolled releases of chemicals due to the upper tier COMAH status. The management, recording and actions taken to address any uncontrolled leak, reaction or spillage have been documented ranging from minor events recorded within the annual Abnormal Occurrences and significant events being formally reported and investigated in conjunction with the regulators (HSE, EA and LA).

An example of an Abnormal Occurrence is the use of a mobile phone on site by contractor who was informed that the use of mobile phones in certain areas is prohibited. An example of a significant event which was subject to a detailed investigation was the 6300 Incident, Distillation of Benzyl Bromoacetate on 5<sup>th</sup> Jan 2002 where the “pressurisation blew the bursting disc”.

After an event which resulted in the release or spillage of a chemical; reporting and actions to clean, contain, react or disburse the chemical are quickly undertaken to prevent an escalation of the problem. To prevent accidents/spills/leaks/uncontrolled reactions strict operation methodology is followed. All chemicals and chemical by-products are held within a warehouse or open bunded storage with a sealed drainage system with interceptor and monitor linked to the Statutory Water Undertaker.

Prior to the demolition works commencing 5 number boreholes were installed and samples were obtained from the upper and deeper soils also 4 ground water samples were obtained. In addition, 11 number of surface soil samples were obtained and tested after removing the concrete slab, this was reported by Portway in 2021 within report PTW210 CR1 Site Condition Report.

### 4.2 Chemical Removal

The site decommissioning has continued with the appointment of Avanti to remove and dispose of the redundant chemicals, by products and wastes. An example of this is shown within the appendix, the chemical list denoting that all materials have been removed in 2021.

Soil/water sampling and results from 2021 show that the site was not contaminated and that the former chemical works policies, procedures, operating practices, reporting, safeguards and mitigation methods used after an event have worked effectively. While a more detailed ground investigation may be required by the Planning Authority. It is likely that no remediation will be required after the demolition phase based on the current samples obtained.

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## 5.0 TESTING UNDERTAKEN ON SITE

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### 5.1 Program

The decommissioning works carried out from January 2021 and this will be completed by October 2021. Site redevelopment will commence in 2025 until 2026.

### 5.2 Enabling Works

#### 5.2.1 Pre Start Works

Discussions were held with the Environmental Agency regarding the surrender process for this site in 2021.

Following these discussions with the Environment Agency and considering the volumes of chemical/waste on site, the removal offsite for disposal was deemed a requirement before surrendering the COMAH status.

Also, the site was subject to being fully decommissioned/flushed and the cleaning waters used were then sampled and analysed to prove that the chemical works equipment could be safely removed.

All live services in and out of the site were then terminated to allow the demolition phase.

#### 5.2.2 Demolition and Hard Standing Removal

After completing the decommissioning phase the physical demolition works commenced to remove the relic metal items for recycling, destruction of the buildings and crushing of the concrete slab covering the surface.

#### 5.2.3 Ground Proving

Ground proving was deemed necessary on this site due to the foundations of the former structures, during this operation no odours or discolouration was noted within the ground conditions. As further supported by the soil test results.

### 5.3 Other Site Works

#### 5.3.1 Removal of Wastes and Chemicals

Due to the history of the site and use as a chemical works,

The storage area holding chemical products and by products was fenced off with signage erected to restrict access to relevant site operatives only. Before commencement of the intrusive demolition works a quarantine and treatment storage areas were constructed also using the above methodology in accordance with EA guidelines. These works were undertaken in 2021.

### 5.3.2 Pre Excavation Works

No excavation works were required in this instance.

### 5.3.3 Ground Waters dated 2021

Hand bailed samples obtained from 4 of the 5 wells as one well did not yield any water. Sample analysis and did not contain significant elevated levels of chemicals below is a summary table of the results of interest.

Below is a summary of the only substances detected within the groundwater samples obtained. Contained within Appendix C is a complete set of results showing the limit of detection.

**Analytical Report Number: 21-72714**

**Project / Site name: Contract Chemicals**

|                                                  |              |                               |                                 |               |               |               |               |
|--------------------------------------------------|--------------|-------------------------------|---------------------------------|---------------|---------------|---------------|---------------|
| <b>Lab Sample Number</b>                         |              |                               |                                 | 1858591       | 1858592       | 1858593       | 1858594       |
| <b>Sample Reference</b>                          |              |                               |                                 | BH4           | BH5           | BH1           | BH3           |
| <b>Sample Number</b>                             |              |                               |                                 | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Depth (m)</b>                                 |              |                               |                                 | 2.00          | 2.00          | 2.00          | 2.00          |
| <b>Date Sampled</b>                              |              |                               |                                 | 27/04/2021    | 27/04/2021    | 29/04/2021    | 29/04/2021    |
| <b>Time Taken</b>                                |              |                               |                                 | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Analytical Parameter<br/>(Water Analysis)</b> | <b>Units</b> | <b>Limit of<br/>detection</b> | <b>Accreditation<br/>Status</b> |               |               |               |               |

**General Inorganics**

|    |             |     |              |     |     |     |     |
|----|-------------|-----|--------------|-----|-----|-----|-----|
| pH | pH<br>Units | N/A | ISO<br>17025 | 7.0 | 6.6 | 6.8 | 7.2 |
|----|-------------|-----|--------------|-----|-----|-----|-----|

**Heavy Metals / Metalloids**

|                      |      |      |              |        |        |        |        |
|----------------------|------|------|--------------|--------|--------|--------|--------|
| Boron (dissolved)    | µg/l | 10   | ISO<br>17025 | 66     | 97     | 58     | 57     |
| Arsenic (dissolved)  | µg/l | 0.15 | ISO<br>17025 | 0.28   | 0.91   | 2.10   | 1.81   |
| Cadmium (dissolved)  | µg/l | 0.02 | ISO<br>17025 | 0.08   | 0.13   | 0.04   | 0.13   |
| Chromium (dissolved) | µg/l | 0.2  | ISO<br>17025 | 3.3    | 1.7    | 9.2    | 3.4    |
| Copper (dissolved)   | µg/l | 0.5  | ISO<br>17025 | 4.0    | 4.1    | 4.6    | 10     |
| Lead (dissolved)     | µg/l | 0.2  | ISO<br>17025 | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Mercury (dissolved)  | µg/l | 0.05 | ISO<br>17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Nickel (dissolved)   | µg/l | 0.5  | ISO<br>17025 | 11     | 38     | 5.9    | 14     |
| Selenium (dissolved) | µg/l | 0.6  | ISO<br>17025 | 4.8    | 6.9    | 2.7    | 3.0    |
| Zinc (dissolved)     | µg/l | 0.5  | ISO<br>17025 | 13     | 22     | 6.6    | 43     |

### 5.3.4 Soil Samples 2021

The soil samples obtained from the 5 window samples and 11 near surface samples can be found within the appendix with a sample location plan. The window sample soils taken from the upper and lower section of the soil matrix were obtained by GRM during the installation process. From the soil window sampling BH2 found 800 ug/kg of 1,2 Dichlorobenzene.

The 11 soil samples taken from the near surface after removing the concrete showing only trace amounts of 1,2 Dichlorobenzene (under 220ug/mg) were found at sample locations PPS1, PPS2 and PPS6, proving that the site has not been significantly impacted from the industrial usage.

Target values for 1,2 Dichlorobenzene; 23 mg/kg in residential gardens being the most conservative, this value increases for industrial and open space with significantly higher target levels. However due to the small amounts detected it is not necessary to use higher values.

All the soil sampling results can be seen within appendix C.

### 5.3.5 Sample Grid Testing August 2025

Following the production and issue of the RMS by G and J samples were taken on a 10m and 20m grid to confirm if Dichlorobenzene contamination was spread across the site or if the contamination was confirmed to certain areas.

During the month of August, a 360 excavator was used to advance the trial holes rapidly and allow samples to be collected within the VOC 30g or 60g brown amber jars. The samples were taken from the top to the bottom of the excavation to obtain representative samples, but with an emphasis on the deeper strata/material.

On occasions malodorous material was discovered between 1.6m and 2.5m below ground level within the made ground in close proximity to relic/live service ducts and near to the borehole G and J RO3.

Impacted material was confirmed to be in excess of the soil, groundwater target value suggested by G and J of 41mg/kg in a number of samples taken within the 10m sampling grid. The sampling is on going at the time of writing as the crushed stockpiles are located within the 10m grid and these stockpiles are required to be moved in order to complete the testing grid process.

It was also observed that the made ground within the trial holes was a suspected reworked clay. This is likely to have aided in preventing significant contamination from entering the deeper strata by acting as a capping layer should any spillage occur when the site was an operational chemical works. With this in mind a proposed soil target values for human health has been issued by G and J at a limit of 2000mg/kg.

The table below is taken from the remediation strategy and verification report produced by G and J Geoenvironmental Consultants Ref G and J Remediation Strategy and Verification Plan dated March 2025.

• **Table 4.1 Soil Remedial Targets and Benchmark Concentrations**

| Substance              | Human Health Targets - Commercial GAC (mg/kg)                                                                                      | Controlled Waters Targets (mg/kg)    |                                 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|
|                        |                                                                                                                                    | Remedial Target Derived Using Consim | Maximum Recorded Concentration* |
| 1,2-dichlorobenzene    | 2000                                                                                                                               | <b>41</b>                            | <i>512</i>                      |
| chlorobenzene          | 56                                                                                                                                 | -                                    | <i>0.1</i>                      |
| 1,2,4-trimethylbenzene | 42                                                                                                                                 | -                                    | <i>5.7</i>                      |
| 1,3,5-trimethylbenzene | -                                                                                                                                  | -                                    | <i>1.3</i>                      |
| n-propylbenzene        | 4100                                                                                                                               | -                                    | <i>0.6</i>                      |
| Toluene                | 56000                                                                                                                              | -                                    | <i>0.11</i>                     |
| Ethylbenzene           | 5700                                                                                                                               | -                                    | <i>0.25</i>                     |
| p-&m-xylene            | 5900                                                                                                                               | -                                    | <i>0.49</i>                     |
| o-xylene               | 6600                                                                                                                               | -                                    | <i>0.30</i>                     |
| Bromoform              | 760                                                                                                                                | -                                    | <i>0.9</i>                      |
| Organic Contamination  | <b>Absence of evidence of significant organic contamination, such as free phase contamination, heavy staining or strong odours</b> |                                      |                                 |

\*to be used as a benchmark to determine if further assessment of the risks to the water environment is required  
**Bold** are anticipated targets for remediation works based on the current information

Thus far the currently available test results have recorded the highest value of 150mg/kg for Dichlorobenzene in the central area between the 2 crushed stockpiles. It is suspected that the areas partly under these stockpiles may yield levels of dichlorobenzene above the proposed soil target values. The sampling and testing is on going within the central area where samples are being taken on a 10m grid. When this is completed the further information will be presented with the remediation which is likely to be required.

During the sampling a PID meter was used to check the soils for elevated solvent concentrations. Generally, the PID did not detect anything above 4ppm. However, the ground did contain odorous material as the human nose is able to detect significantly lower levels of solvents than the PID meter. Therefore, any contractors undertaking any works within this site must also undertake their own health and safety assessments.

The upper horizons with the made ground to a depth of <1.5m are likely to not yield, elevated solvent levels, hence this material will be recovered, stockpiled and retested to allow reuse within the site. The material encountered at >1.5m which has been proven to show that contaminants (solvents) of concern are present will be subjected to bioremediation or stabilization at depth where groundwater interface has been found.

No elevated contaminants of concern were encountered within the lower 20m grid, with samples reference number lines 8, 9, 10, 11 and 12. As a result of these findings we will

be moving the crushed stockpile into this location to complete the 10m grid sampling within the center of the site.

As gridlines 8, 9, 10, 11 and 12 have passed the validation criteria, this section of the site will not undergo any further remediation or testing and this is to be considered a phased completion as the lower half of the site has not been impacted with contamination based on the recent sampling and testing. A full copy of the results for gridlines 8, 9, 10, 11 and 12 with a sampling location plan can be found within the appendix.

## 6.0 CONCLUSIONS

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All required sampling and reporting have been undertaken by Portway, and this has been carried out and completed to a satisfactory conclusion to confirm that the lower section of the site has not been significantly impacted by the chemical works. The good housekeeping with the impermeable concrete has prevented any significant pollution to the site or the wider environment.

However elevated hotspots have been discovered due to the increased testing frequency across the site. As such Dichlorobenzene which is considered to be the main contaminant of concern has been detected. It is present within the deeper soils, confirmed in the 10m grid squares, that will be subjected to treatment in order to reduce the levels of contamination within this site as denoted within the RSVP by G and J consultants.

It is hoped that the shallow reworked clay can be reused at depth to act as a capping layer and then the treated impacted material will be placed on top of this capping thus adding further protection to the groundwater. This may also allow slightly higher target values to be considered by the Env Agency between the groundwater and commercial levels proposed by G and J.

In addition to the ongoing soil validation sampling and testing, groundwater samples will be collected from the 6 serviceable monitoring wells installed by G and J. Groundwater monitoring will continue every 2 weeks to assess the levels of VOCs present during the sampling, remediation and post monitoring phases to confirm that any hotspots/sources/pathways have been identified and correctly addressed to prove that betterment has occurred before the monitoring wells become inaccessible due to construction related works (G and J RO3). By increasing the number of sampling and monitoring visits, this will seek to establish that a wider risk to the groundwater is not present as denoted within the DQRA by demonstrating that the source contamination of concern is below the target value of 41mg/kg (1,2 Dichlorobenzene) within the soil matrix. Post remediation monitoring is proposed to be 4 - 8 weeks with fortnightly sampling and testing with ongoing open dialog with the Environment Agency.

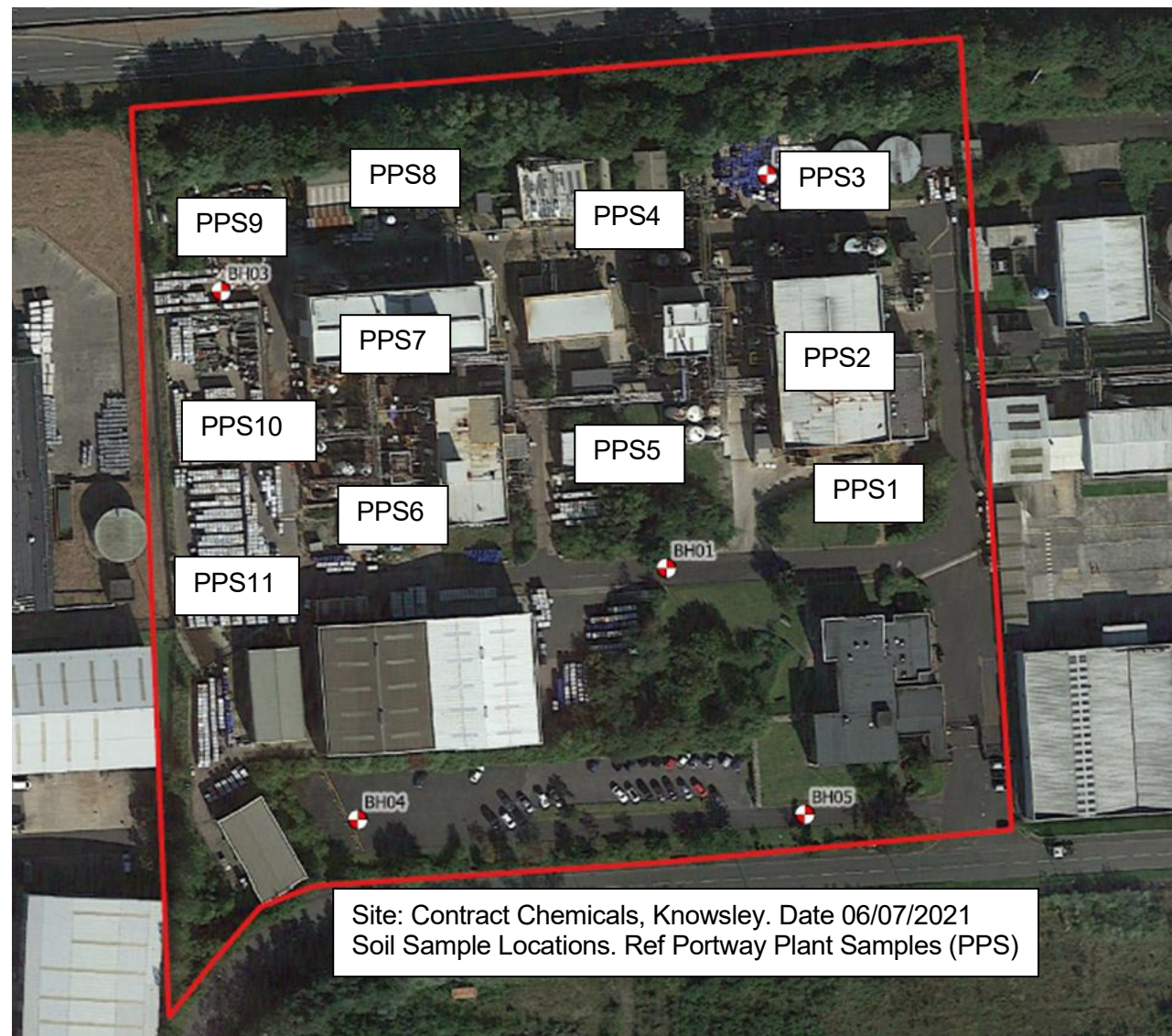
While monitoring of well G and J RO6 has recorded as being dry, assessments will continue in case the groundwater levels change within the site accounting for seasonal variations.

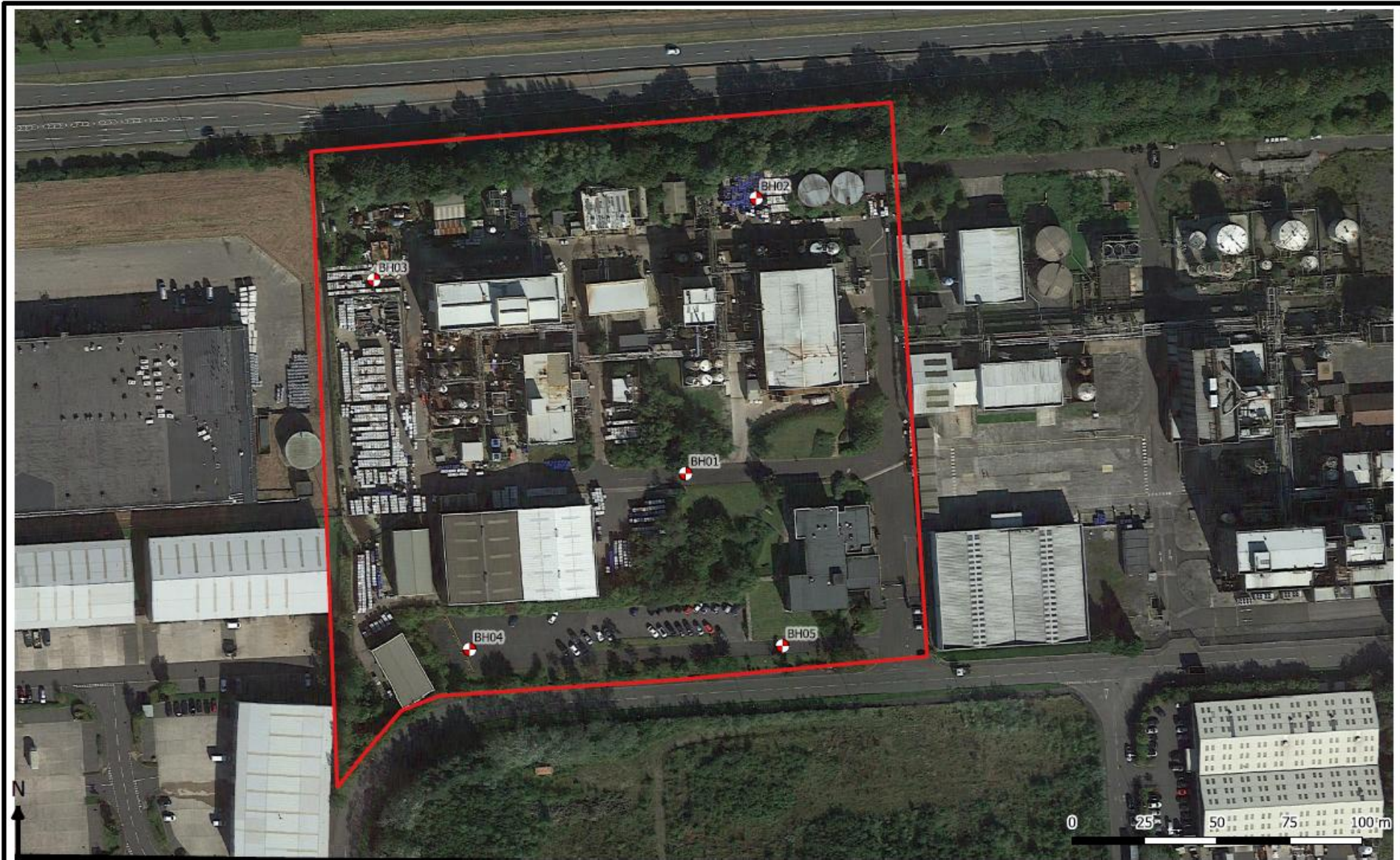
Any monitoring wells that cannot be maintained due to redevelopment of the site will be correctly decommissioned and filled to ensure that no future pathway remains within the site. It is proposed to use bentonite clay pellets to interlock with the reworked clay/sandy clay materials encountered to seal boreholes.

This report acts as a record of tests carried out by Portway and is submitted for the validation of the site to the relevant regulatory Authorities. A further update will be produced post remediation

to assist with the discharge of planning conditions and the upper phase of the validation for this site.

## APPENDIX A - SITE DRAWING, SAMPLE LOCATION PLAN





|        |                                                                                                                                                                                              |  |                                                                 |                |                  |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|----------------|------------------|
| NOTES: | CLIENT: PORTWAY REMEDIATION                                                                                                                                                                  |  | PROJECT No: P9656                                               | DATE: APR 2021 | DESIGN/DRAWN: JB |
|        | PROJECT: CONTRACT CHEMICALS, KNOWSLEY                                                                                                                                                        |  | DRAWING NUMBER: 001                                             |                | SCALE: FINAL     |
|        | TITLE: EXPLORATORY HOLE LOCATION PLAN                                                                                                                                                        |  | © GRM Development Solutions Ltd © Crown Copyright. AL 100014100 |                |                  |
|        | <div><br/>GRM Development Solutions Ltd<br/>Tel: 01283 551 249<br/>mail@grm-uk.com www.grm-uk.com</div> |  |                                                                 |                |                  |



## APPENDIX B - REMOVED CHEMICAL WASTE

| Storage Row | Name                                              | Form   | Quantity | Container | Size |  |
|-------------|---------------------------------------------------|--------|----------|-----------|------|--|
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Aqueous ex Trichloroacetamide                     | Liquid | Full     | IBC       |      |  |
| Flam 1      | Distillation residues ex Hexyl Bromide            | Liquid | Full     | IBC       |      |  |
| Flam 1      | Distillation residues ex Hexyl Bromide            | Liquid | Full     | IBC       |      |  |
| Flam 1      | Distillation residues ex Hexyl Bromide            | Liquid | Full     | IBC       |      |  |
| Flam 1      | Distillation residues ex Hexyl Bromide            | Liquid | Full     | IBC       |      |  |
| Flam 1      | Distillation residues ex Hexyl Bromide            | Liquid | Full     | IBC       |      |  |
| Flam 1      | Fores ex isopropyl-2-bromoisobutyrate             | Liquid | Full     | IBC       |      |  |
| Flam 1      | Fores ex isopropyl-2-bromoisobutyrate             | Liquid | Full     | IBC       |      |  |
| Flam 1      | Distillation residues ex Ethyl-2-bromobutyrate    | Liquid | Full     | IBC       |      |  |
| Flam 1      | Aqueous ex Trichloroacetamide                     | Liquid | Full     | IBC       |      |  |
| Flam 2      | Xylene Distillations ex Irgafos                   | Liquid | Full     | IBC       |      |  |
| Flam 2      | Distillation foreruns ex BDCB                     | Sludge | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex phenylacetylene          | Liquid | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex phenylacetylene          | Liquid | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex phenylacetylene          | Liquid | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex phenylacetylene          | Liquid | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex phenylacetylene          | Liquid | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex phenylacetylene          | Liquid | Full     | IBC       |      |  |
| Flam 2      | Heptane ex 1,4 DBBE                               | Liquid | Full     | IBC       |      |  |
| Flam 2      | Heptane ex 1,4 DBBE                               | Liquid | Full     | IBC       |      |  |
| Flam 2      | E2BB Fores                                        | Liquid | Full     | IBC       |      |  |
| Flam 2      | E2BB Fores                                        | Liquid | Full     | IBC       |      |  |
| Flam 2      | Ethanol ex E2BB                                   | Liquid | Full     | IBC       |      |  |
| Flam 2      | Ethanol ex E2BB                                   | Liquid | Full     | IBC       |      |  |
| Flam 2      | Acetic Anhydride                                  | Liquid | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex Butyl Bromide            | Liquid | Full     | IBC       |      |  |
| Flam 2      | Distillation residues ex Methyl trichloroacetatae | Liquid | Full     | IBC       |      |  |
| Flam 3      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 3      | Acetone containing organic impurities (LACHRY)    | Liquid | Full     | IBC       |      |  |
| Flam 3      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |
| Flam 3      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |
| Flam 3      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |
| Flam 3      | Distillation residues ex Ethyl-2-bromobutyrate    | Sludge | Full     | IBC       |      |  |

|        |                                                                   |        |      |     |
|--------|-------------------------------------------------------------------|--------|------|-----|
| Flam 3 | Distillation residues ex Ethyl-2-bromobutyrate                    | Sludge | Full | IBC |
| Flam 3 | Distillation residues ex Ethyl-2-bromobutyrate                    | Sludge | Full | IBC |
| Flam 3 | Distillation residues ex Ethyl-2-bromobutyrate                    | Sludge | Full | IBC |
| Flam 3 | Ethanol ex E2BB                                                   | Liquid | Full | IBC |
| Flam 3 | Ethanol ex E2BB                                                   | Liquid | Full | IBC |
| Flam 3 | Ethanol ex E2BB                                                   | Liquid | Full | IBC |
| Flam 3 | Ethanol ex E2BB                                                   | Liquid | Full | IBC |
| Flam 3 | Ethanol ex E2BB                                                   | Liquid | Full | IBC |
| Flam 3 | Distillation residues ex Ethyl-2-bromobutyrate                    | Sludge | Full | IBC |
| Flam 3 | Distillation residues ex Ethyl-2-bromobutyrate                    | Sludge | Full | IBC |
| Flam 3 | E2BB Fores                                                        | Liquid | Full | IBC |
| Flam 3 | 1,2 Dichlorobenzene ex MOCL                                       | Sludge | Full | IBC |
| Flam 3 | IPA/2 Ethyl hexanoic acid                                         | Solid  | Full | IBC |
| Flam 3 | Acetone/Methanol ex TCA                                           | Liquid | Full | IBC |
| Flam 3 | Toluene distillate BDCB                                           | Sludge | Full | IBC |
| Flam 3 | BDCB Distillation residues in toluene                             | Sludge | Full | IBC |
| Flam 3 | Distillation residues ex Hunigs Base                              | Liquid | Full | IBC |
| Flam 4 | Mixed acidic aqueous And organics                                 | Liquid | Full | IBC |
| Flam 4 | Acetone ex 1,4 dibromobutane                                      | Liquid | Full | IBC |
| Flam 4 | Acetone ex 1,4 dibromobutane                                      | Liquid | Full | IBC |
| Flam 4 | Distillation residues ex isopropyl bromide                        | Liquid | Full | IBC |
| Flam 4 | Distillation residues ex Butyl Bromide                            | Liquid | Full | IBC |
| Flam 4 | Propyl bromide                                                    | Liquid | Full | IBC |
| Flam 4 | Propyl bromide                                                    | Liquid | Full | IBC |
| Flam 4 | Distillation residues containing Methanol, MBA and methyl acetate | Liquid | Full | IBC |
| Flam 4 | Pentyl Bromide                                                    | Liquid | Full | IBC |
| Flam 4 | Ethanol ex E2BB                                                   | Liquid | Full | IBC |
| Flam 4 | Aqueous ex MOCL                                                   | Liquid | Full | IBC |
| Flam 4 | Toluene distillate BDCB                                           | Sludge | Full | IBC |
| Flam 4 | Crude BDCB                                                        | Sludge | Full | IBC |
| Flam 4 | Potassium 2-ethyl hexanoate/acetone                               | Solid  | Full | IBC |
| Flam 4 | Potassium 2-ethyl hexanoate/acetone                               | Solid  | Full | IBC |
| Flam 4 | Xylene foreruns ex Irgafos                                        | Liquid | Full | IBC |
| Flam 4 | Xylene foreruns ex Irgafos                                        | Liquid | Full | IBC |
| Flam 4 | IPA/2 Ethyl hexanoic acid                                         | Solid  | Full | IBC |
| Flam 4 | Acetone containing organic impurities (LACHRY)                    | Liquid | Full | IBC |
| Flam 4 | Heptane ex 1,4 DBBE                                               | Liquid | Full | IBC |
| Flam 4 | Distillation residues ex Ethyl-2-bromobutyrate                    | Sludge | Full | IBC |
| Flam 4 | Distillation residues ex Butyl Bromide                            | Liquid | Full | IBC |
| Flam 4 | IPA/2 Ethyl hexanoic acid                                         | Solid  | Full | IBC |
| Flam 4 | Solvent ex Labs                                                   | Liquid | 11   | 205 |
| Flam 4 | Samples ex Labs                                                   | Mixed  | 4    | 205 |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |
| 1      | Sludges ex interceptor                                            | Sludge | Full | IBC |

|   |                                                |             |     |  |  |
|---|------------------------------------------------|-------------|-----|--|--|
| 1 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 1 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 1 | Distillation residues ex 2-ethyl hexyl bromide | Liquid Full | IBC |  |  |
| 1 | Fores ex 2-ethyl hexyl bromide                 | Liquid Full | IBC |  |  |
| 1 | Fores ex 2-ethyl hexyl bromide                 | Liquid Full | IBC |  |  |
| 1 | 1,2 Dichlorobenzene ex MOCL                    | Sludge Full | IBC |  |  |
| 1 | 1,2 Dichlorobenzene ex MOCL                    | Sludge Full | IBC |  |  |
| 1 | Distillation residues ex BDCB                  | Sludge Full | IBC |  |  |
| 1 | Distillation residues ex BDCB                  | Sludge Full | IBC |  |  |
| 1 | Caustic ex Pentyl Bromide                      | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Neutralised Aqueous ex BDCB                    | Liquid Full | IBC |  |  |
| 2 | Distillation residues ex BDCB + PCB's          | Sludge Full | IBC |  |  |
| 2 | Distillation residues ex BDCB + PCB's          | Sludge Full | IBC |  |  |
| 2 | Distillation residues ex BDCB + PCB's          | Sludge Full | IBC |  |  |
| 2 | Distillation residues ex BDCB + PCB's          | Sludge Full | IBC |  |  |
| 2 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 2 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 2 | Distillation residues ex 2ethyl hexyl bromide  | Sludge Full | IBC |  |  |
| 2 | Distillation residues ex 1,6 Dibromohexane     | Sludge Full | IBC |  |  |
| 2 | Residues ex 1,2 dichlorobenzene                | Sludge Full | IBC |  |  |
| 3 | Alkaline waste ex E2BB                         | Mixed Full  | IBC |  |  |
| 3 | Distillation residues ex Hexyl Bromide         | Liquid Full | IBC |  |  |
| 3 | Distillation residues ex BDCB                  | Sludge Full | IBC |  |  |
| 3 | Distillation residues ex BDCB                  | Sludge Full | IBC |  |  |
| 3 | Distillation residues ex BDCB                  | Sludge Full | IBC |  |  |
| 3 | Distillation residues ex 2ethyl hexyl bromide  | Sludge Full | IBC |  |  |
| 3 | Distillation residues ex 2ethyl hexyl bromide  | Sludge Full | IBC |  |  |
| 3 | Caustic ex 2EHB                                | Liquid Full | IBC |  |  |
| 3 | Caustic ex 2EHB                                | Liquid Full | IBC |  |  |
| 3 | Fores ex 2-ethyl hexyl bromide                 | Mixed Full  | IBC |  |  |
| 3 | Caustic ex n Butyl Bromide                     | Mixed Full  | IBC |  |  |
| 3 | Distillation residues ex BDCB + PCB's          | Sludge Full | IBC |  |  |
| 3 | Distillation residues ex BDCB + PCB's          | Sludge Full | IBC |  |  |
| 3 | Distillation residues ex BDCB + PCB's          | Sludge Full | IBC |  |  |
| 3 | Treated Phos Acid ex 2EHB                      | Mixed Full  | IBC |  |  |
| 3 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 3 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 3 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 3 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 3 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 3 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |
| 3 | Sludges ex interceptor                         | Sludge Full | IBC |  |  |

|   |                                            |        |        |             |      |     |
|---|--------------------------------------------|--------|--------|-------------|------|-----|
| 4 | Caustic ex TDC                             | Liquid | Full   | IBC         |      |     |
| 4 | Caustic ex TDC                             | Liquid | Full   | IBC         |      |     |
| 4 | 1,2 Dichlorobenzene ex MOCL                |        |        | Sludge Full | IBC  |     |
| 4 | 1,2 Dichlorobenzene ex MOCL                |        |        | Sludge Full | IBC  |     |
| 4 | Sludges ex interceptor                     | Sludge | Full   | IBC         |      |     |
| 4 | Sludges ex interceptor                     | Sludge | Full   | IBC         |      |     |
| 4 | Sludges ex interceptor                     | Sludge | Full   | IBC         |      |     |
| 4 | Sludges ex interceptor                     | Sludge | Full   | IBC         |      |     |
| 4 | Sludges ex interceptor                     | Sludge | Full   | IBC         |      |     |
| 4 | Distillation residues ex BDCB + PCB's      |        |        | Sludge Full | IBC  |     |
| 4 | Neutralised Aqueous ex BDCB                |        | Liquid | Full        | IBC  |     |
| 4 | Neutralised Aqueous ex BDCB                |        | Liquid | Full        | IBC  |     |
| 4 | Neutralised Aqueous ex BDCB                |        | Liquid | Full        | IBC  |     |
| 4 | Neutralised Aqueous ex BDCB                |        | Liquid | Full        | IBC  |     |
| 4 | Neutralised Aqueous ex BDCB                |        | Liquid | Full        | IBC  |     |
| 4 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 4 | Aqueous ex Hunigs                          | Mixed  | Full   | IBC         |      |     |
| 4 | Ammonia                                    | Liquid | Full   | IBC         |      |     |
| 4 | Ammonia                                    | Liquid | Full   | IBC         |      |     |
| 4 | Ammonia                                    | Liquid | Full   | IBC         |      |     |
| 4 | Ammonia                                    | Liquid | Full   | IBC         |      |     |
| 4 | Caustic ex Bonner                          | Liquid | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Treated Phos Acid ex 2EHB                  | Mixed  | Full   | IBC         |      |     |
| 5 | Sludges ex interceptor                     | Sludge | Full   | IBC         |      |     |
| 5 | Sludges ex interceptor                     | Sludge | Full   | IBC         |      |     |
| 5 | Sludges ex interceptor                     | Sludge | Full   | IBC         |      |     |
| 5 | Mother Liquors                             | Liquid | Full   | IBC         |      |     |
| 5 | Caustic ex BDCB                            | Liquid | Full   | IBC         |      |     |
| 5 | Caustic ex BDCB                            | Liquid | Full   | IBC         |      |     |
| 6 | Distillation residues ex BDCB              | Sludge | Full   | IBC         |      |     |
| 6 | Distillation residues ex o-Dichlorobenzene |        |        |             | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene |        |        |             | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene |        |        |             | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene |        |        |             | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene |        |        |             | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene |        |        |             | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene |        |        |             | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene |        |        |             | Full | IBC |

|   |                                               |        |      |      |     |
|---|-----------------------------------------------|--------|------|------|-----|
| 6 | Distillation residues ex o-Dichlorobenzene    |        |      | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene    |        |      | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene    |        |      | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene    |        |      | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene    |        |      | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene    |        |      | Full | IBC |
| 6 | Distillation residues ex o-Dichlorobenzene    |        |      | Full | IBC |
| 6 | Distillation residues ex MDBMP                | Liquid | Full | IBC  |     |
| 6 | Caustic ex 2EHB                               | Liquid | Full | IBC  |     |
| 6 | Caustic ex 2EHB                               | Liquid | Full | IBC  |     |
| 6 | Caustic ex 2EHB                               | Liquid | Full | IBC  |     |
| 6 | Caustic ex 2EHB                               | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex bromopropionic acid  | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex bromopropionic acid  | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex 1,6 Dibromohexane    | Sludge | Full | IBC  |     |
| 7 | Distillation residues ex 1,6 Dibromohexane    | Sludge | Full | IBC  |     |
| 7 | Distillation residues ex 1,6 Dibromohexane    | Sludge | Full | IBC  |     |
| 7 | Distillation residues ex 1,6 Dibromohexane    | Sludge | Full | IBC  |     |
| 7 | Distillation residues ex 1,6 Dibromohexane    | Sludge | Full | IBC  |     |
| 7 | Distillation residues ex o-Dichlorobenzene    |        | Full | IBC  |     |
| 7 | Distillation residues ex o-Dichlorobenzene    |        | Full | IBC  |     |
| 7 | Distillation residues ex o-Dichlorobenzene    |        | Full | IBC  |     |
| 7 | Aqueous alkaline ex cyclopentyl bromide       | Liquid | Full | IBC  |     |
| 7 | Aqueous alkaline ex cyclopentyl bromide       | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex 2ethyl hexyl bromide | Sludge | Full | IBC  |     |
| 7 | Distillation residues ex 2ethyl hexyl bromide | Sludge | Full | IBC  |     |
| 7 | Aqueous ex dicyclohexylamine                  | Liquid | Full | IBC  |     |
| 7 | Aqueous ex dicyclohexylamine                  | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex MDBMP                | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex MDBMP                | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex MDBMP                | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex MDBMP                | Liquid | Full | IBC  |     |
| 7 | Distillation residues ex MDBMP                | Liquid | Full | IBC  |     |
| 7 | Residues ex dibromobutene                     | Liquid | 3    | 205  |     |
| 8 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC  |     |
| 8 | Caustic ex n Butyl Bromide                    | Mixed  | Full | IBC  |     |
| 8 | Caustic ex n Butyl Bromide                    | Mixed  | Full | IBC  |     |
| 8 | Distillation residues ex o-Dichlorobenzene    |        | Full | IBC  |     |
| 8 | Distillation residues ex o-Dichlorobenzene    |        | Full | IBC  |     |
| 8 | Distillation residues ex o-Dichlorobenzene    |        | Full | IBC  |     |
| 8 | Caustic ex BDCB                               | Liquid | Full | IBC  |     |
| 8 | Caustic ex BDCB                               | Liquid | Full | IBC  |     |
| 8 | Caustic ex hexyl Bromide                      | Liquid | Full | IBC  |     |
| 8 | Fores ex 2-ethyl hexyl bromide                | Liquid | Full | IBC  |     |
| 8 | Residues ex 1,2 dichlorobenzene               | Sludge | Full | IBC  |     |
| 8 | Residues ex 1,2 dichlorobenzene               | Sludge | Full | IBC  |     |
| 8 | Distillation residues ex 2ethyl hexyl bromide | Sludge | Full | IBC  |     |
| 8 | Chimexane                                     | Liquid | Full | IBC  |     |
| 8 | Chimexane                                     | Liquid | Full | IBC  |     |
| 8 | Chimexane                                     | Liquid | Full | IBC  |     |
| 8 | Fores ex isopropyl-2-bromoisobutyrate         | Liquid | Full | IBC  |     |
| 8 | Fores ex isopropyl-2-bromoisobutyrate         | Liquid | Full | IBC  |     |
| 8 | Distillation residues ex BDCB                 | Sludge | Full | IBC  |     |
| 8 | Distillation residues ex BDCB                 | Sludge | Full | IBC  |     |

[illegible]

|    |                                                    |             |     |     |
|----|----------------------------------------------------|-------------|-----|-----|
| 11 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 11 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 11 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 11 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 11 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 11 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 11 | Distillation residues ex BDCB (road Barrel France) | Sludge Full | IBC | IBC |
| 11 | Distillation residues ex BDCB (road Barrel France) | Sludge Full | IBC | IBC |
| 11 | Distillation residues ex 2ethyl hexyl bromide      | Sludge Full | IBC |     |
| 11 | Distillation residues ex 1,4 Dibromobutene         | Sludge Full | IBC |     |
| 11 | Mixed Halogenated (Lachry)                         | Liquid Full | IBC |     |
| 11 | Caustic ex n Butyl Bromide                         | Mixed Full  | IBC |     |
| 11 | Distillation residues ex MDBMP                     | Liquid Full | IBC |     |
| 11 | Distillation residues ex o-Dichlorobenzene         | Liquid Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 12 | Residues ex 1,2 dichlorobenzene                    | Sludge Full | IBC |     |
| 12 | Residues ex 1,2 dichlorobenzene                    | Sludge Full | IBC |     |
| 12 | Distillation residues ex o-Dichlorobenzene         | Liquid Full | IBC |     |
| 12 | Distillation residues ex 2ethyl hexyl bromide      | Sludge Full | IBC |     |
| 12 | Distillation residues ex 1,6 Dibromohexane         | Liquid Full | IBC |     |
| 12 | Distillation residues ex 1,6 Dibromohexane         | Liquid Full | IBC |     |
| 12 | Treated Phos Acid ex 2EHB                          | Mixed Full  | IBC |     |
| 12 | Treated Phos Acid ex 2EHB                          | Mixed Full  | IBC |     |
| 12 | Treated Phos Acid ex 2EHB                          | Mixed Full  | IBC |     |
| 13 | Distillation residues ex o-Dichlorobenzene         | Liquid Full | IBC |     |
| 13 | Distillation residues ex o-Dichlorobenzene         | Liquid Full | IBC |     |
| 13 | Distillation residues ex o-Dichlorobenzene         | Liquid Full | IBC |     |
| 13 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 13 | Distillation residues ex BDCB + PCB's              | Sludge Full | IBC |     |
| 13 | Caustic ex n Butyl Bromide                         | Mixed Full  | IBC |     |
| 13 | Caustic ex n Butyl Bromide                         | Mixed Full  | IBC |     |
| 13 | Caustic ex n Butyl Bromide                         | Mixed Full  | IBC |     |
| 13 | Distillation residues ex MDBMP                     | Liquid Full | IBC |     |
| 13 | Treated Phos Acid ex 2EHB                          | Mixed Full  | IBC |     |
| 13 | Caustic ex TDC                                     | Liquid Full | IBC |     |
| 13 | Caustic ex TDC                                     | Liquid Full | IBC |     |
| 13 | Liquid                                             | Full        | IBC |     |
| 13 | Liquid                                             | Full        | IBC |     |
| 13 | Aqueous ex Hunigs                                  | Liquid Full | IBC |     |
| 13 | Aqueous ex 747 (DCB and Chloroform)                | Liquid Full | IBC |     |
| 13 | 1,2 Dichlorobenzene ex MOCL                        | Sludge Full | IBC |     |
| 13 | 1,2 Dichlorobenzene ex MOCL                        | Sludge Full | IBC |     |

|    |                                        |             |     |
|----|----------------------------------------|-------------|-----|
| 13 | 1,2 Dichlorobenzene ex MOCL            | Sludge Full | IBC |
| 13 | 1,2 Dichlorobenzene ex MOCL            | Sludge Full | IBC |
| 13 | 1,2 Dichlorobenzene ex MOCL            | Sludge Full | IBC |
| 13 | 1,2 Dichlorobenzene ex MOCL            | Sludge Full | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Treated Phos Acid ex 2EBH              | Mixed Full  | IBC |
| 14 | Distillation residues ex BDCB + PCB's  | Sludge Full | IBC |
| 14 | Distillation residues ex BDCB + PCB's  | Sludge Full | IBC |
| 14 | Caustic ex BDCB                        | Liquid Full | IBC |
| 15 | o-DCB residues                         | Sludge Part | IBC |
| 15 | o-DCB residues                         | Sludge Part | IBC |
| 15 | o-DCB residues                         | Sludge Part | IBC |
| 15 | o-DCB residues                         | Sludge Part | IBC |
| 15 | Solids ex Hunigs                       | Solid Part  | IBC |
| 15 | Solids ex Hunigs                       | Solid Part  | IBC |
| 15 | Solids ex Hunigs                       | Solid Part  | IBC |
| 15 | Solids ex Hunigs                       | Solid Part  | IBC |
| 15 | Caustic solids ex MOCL                 | Solid Part  | IBC |
| 15 | Caustic ex TDC                         | Liquid Part | IBC |
| 16 | Solids ex Hunigs                       | Solid Part  | IBC |
| 16 | Solids ex Hunigs                       | Solid Part  | IBC |
| 16 | Solids ex Hunigs                       | Solid Part  | IBC |
| 16 | Solids ex Hunigs                       | Solid Part  | IBC |
| 16 | Solids ex Hunigs                       | Solid Part  | IBC |
| 16 | Solids ex Hunigs                       | Solid Part  | IBC |
| 16 | Caustic solids ex MOCL                 | Solid Part  | IBC |
| 16 | Caustic solids ex MOCL                 | Solid Part  | IBC |
| 16 | Caustic ex TDC                         | Liquid Part | IBC |
| 16 | Caustic ex TDC                         | Liquid Part | IBC |
| 17 | Sulphuric/Phosphorous ex Hexyl Bromide | Liquid Full | IBC |
| 17 | Sulphuric/Sulphurous ex Butyl Bromide  | Liquid Full | IBC |
| 17 | Sulphuric/Sulphurous ex Butyl Bromide  | Liquid Full | IBC |
| 17 | Sulphuric/Sulphurous ex Butyl Bromide  | Liquid Full | IBC |
| 17 | Sulphuric/Sulphurous ex Butyl Bromide  | Liquid Full | IBC |
| 17 | Sulphuric/Sulphurous ex Butyl Bromide  | Liquid Full | IBC |
| 17 | Sulphuric/Sulphurous ex Butyl Bromide  | Liquid Full | IBC |
| 17 | Sulphuric/Sulphurous ex Butyl Bromide  | Liquid Full | IBC |

|    |                                            |        |      |     |  |
|----|--------------------------------------------|--------|------|-----|--|
| 17 | Sulphuric/Phosphorous ex Pentyl Bromide    | Liquid | Full | IBC |  |
| 17 | HBr ex High Vac                            | Liquid | Full | IBC |  |
| 18 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 18 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 18 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 18 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 18 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 18 | Sulphuric/Phosphorous ex Hexyl Bromide     | Liquid | Full | IBC |  |
| 18 | HCL ex Scrubber                            | Liquid | Full | IBC |  |
| 18 | Phosphorous acid and Bromine               | Liquid | Full | IBC |  |
| 18 | Phosphorous acid and Bromine               | Liquid | Full | IBC |  |
| 18 | Packaging c/w thionyl chloride             | Solid  | Full | IBC |  |
| 19 | HCL ex 747                                 | Liquid | Full | IBC |  |
| 19 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 19 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 19 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 19 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 19 | HCL ex Absorber                            | Liquid | Full | IBC |  |
| 19 | Distillation residues ex 1,6 Dibromohexane | Liquid | Full | IBC |  |
| 19 | Sulphuric/Phosphorous ex Hexyl Bromide     | Liquid | Full | IBC |  |
| 19 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 19 | Sulphuric acid ex Absorbers                | Liquid | Full | IBC |  |
| 20 | Sulphuric/Phosphorous ex Hexyl Bromide     | Liquid | Full | IBC |  |
| 20 | Sulphuric/Phosphorous ex Hexyl Bromide     | Liquid | Full | IBC |  |
| 20 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 20 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 20 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 20 | Sodium Hydrogen Sulphate ex DCHAN (NOX!)   | Liquid | Full | IBC |  |
| 20 | Sodium Hydrogen Sulphate ex DCHAN (NOX!)   | Liquid | Full | IBC |  |
| 20 | Sodium Hydrogen Sulphate ex DCHAN (NOX!)   | Liquid | Full | IBC |  |
| 20 | Sodium Hydrogen Sulphate ex DCHAN (NOX!)   | Liquid | Full | IBC |  |
| 20 | Sodium Hydrogen Sulphate ex DCHAN (NOX!)   | Liquid | Full | IBC |  |
| 21 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 21 | Phosphorous acid and Bromine               | Liquid | Full | IBC |  |
| 21 | Phosphorous acid and Bromine               | Liquid | Full | IBC |  |
| 21 | Sulphuric/Phosphorous ex Pentyl Bromide    | Liquid | Full | IBC |  |
| 21 | Phosphoric/Phosphorous ex Pentyl Bromide   | Liquid | Full | IBC |  |
| 21 | Sulphuric acid ex Absorbers                | Liquid | Full | IBC |  |
| 21 | Sulphuric acid ex Absorbers                | Liquid | Full | IBC |  |
| 21 | Aqueous aluminium chloride                 | Liquid | Full | IBC |  |
| 21 | Acidic aqueous washings                    | Liquid | Full | IBC |  |
| 22 | Treated Phos Acid ex 2EHB                  | Mixed  | Full | IBC |  |
| 22 | Treated Phos Acid ex 2EHB                  | Mixed  | Full | IBC |  |
| 22 | Treated Phos Acid ex 2EHB                  | Mixed  | Full | IBC |  |
| 22 | Treated Phos Acid ex 2EHB                  | Mixed  | Full | IBC |  |
| 22 | DCB ex MOCL                                | Mixed  | Full | IBC |  |
| 22 | Sulphuric/Phosphorous ex Pentyl Bromide    | Liquid | Full | IBC |  |
| 22 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 22 | Sulphuric/Sulphurous ex Butyl Bromide      | Liquid | Full | IBC |  |
| 22 | Mixed                                      | Full   | IBC  |     |  |
| 22 | Mixed                                      | Full   | IBC  |     |  |
| 23 | Treated Phos Acid ex 2EHB                  | Mixed  | Full | IBC |  |
| 23 | Treated Phos Acid ex 2EHB                  | Mixed  | Full | IBC |  |
| 23 | Treated Phos Acid ex 2EHB                  | Mixed  | Full | IBC |  |

|    |                                               |        |      |         |  |  |  |
|----|-----------------------------------------------|--------|------|---------|--|--|--|
| 23 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 23 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 23 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 23 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 23 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 23 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 23 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 23 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 24 | Treated Phos Acid ex 2EHB                     | Mixed  | Full | IBC     |  |  |  |
| 25 | Dimethylaminopropylmethacrylamide             | Liquid | Full | 4 x 205 |  |  |  |
| 25 | Benzyl Bromide                                | Liquid | Full | 4 x 205 |  |  |  |
| 25 | Sulphur dioxide/HCl                           | Liquid | Full | 3 x 205 |  |  |  |
| 26 | o-DCB residues                                | Sludge | Part | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 26 | Sludges ex interceptor                        | Sludge | Full | IBC     |  |  |  |
| 27 | Caustic ex TDC                                | Liquid | Full | IBC     |  |  |  |
| 27 | Caustic ex TDC                                | Liquid | Full | IBC     |  |  |  |
| 27 | Water ex BDCB                                 | Liquid | Full | IBC     |  |  |  |
| 27 | Water ex BDCB                                 | Liquid | Full | IBC     |  |  |  |
| 27 | Mixed Aq and organic                          | Liquid | Full | IBC     |  |  |  |
| 27 | Mixed Aq and organic                          | Liquid | Full | IBC     |  |  |  |
| 27 | Caustic ex Phenylacetylene                    | Liquid | Full | IBC     |  |  |  |
| 27 | Distillation residues ex 1,4 Dibromobutene    | Liquid | Full | IBC     |  |  |  |
| 27 | Distillation residues ex 1,4 Dibromobutene    | Liquid | Full | IBC     |  |  |  |
| 27 | Caustic ex Br Scrubber                        | Liquid | Full | IBC     |  |  |  |
| 28 | 1,2 Dichlorobenzene ex MOCL                   | Liquid | Full | IBC     |  |  |  |
| 28 | 1,2 Dichlorobenzene ex MOCL                   | Liquid | Full | IBC     |  |  |  |
| 28 | Water ex Irgafos                              | Liquid | Full | IBC     |  |  |  |
| 28 | Alkaline waste ex E2BB                        | Liquid | Full | IBC     |  |  |  |
| 28 | Caustic ex TDC                                | Liquid | Full | IBC     |  |  |  |
| 28 | Distillation residues ex MDBMP                | Liquid | Full | IBC     |  |  |  |
| 28 | Aqueous ex DCHAN (contains dicyclohexylamine) | Liquid | Full | IBC     |  |  |  |
| 28 | Aqueous ex DCHAN (contains dicyclohexylamine) | Liquid | Full | IBC     |  |  |  |
| 28 | Aqueous ex DCHAN (contains dicyclohexylamine) | Liquid | Full | IBC     |  |  |  |
| 28 | Aqueous ex DCHAN (contains dicyclohexylamine) | Liquid | Full | IBC     |  |  |  |
| 29 | Caustic ex butyl bromide                      | Liquid | Full | IBC     |  |  |  |
| 29 | 1,2 Dichlorobenzene ex MOCL                   | Liquid | Full | IBC     |  |  |  |
| 29 | 1,2 Dichlorobenzene ex MOCL                   | Liquid | Full | IBC     |  |  |  |
| 29 | Alkaline waste ex E2BB                        | Liquid | Full | IBC     |  |  |  |

[illegible]

|    |                   |        |      |     |
|----|-------------------|--------|------|-----|
| W4 | Aqueous ex Hunigs | Liquid | Full | IBC |
| W4 | Aqueous ex Hunigs | Liquid | Full | IBC |
| W4 | Aqueous ex Hunigs | Liquid | Full | IBC |
| W4 | Aqueous ex Hunigs | Liquid | Full | IBC |
| W4 | Aqueous ex Hunigs | Liquid | Full | IBC |
| W4 | Aqueous ex Hunigs | Liquid | Full | IBC |

## APPENDIX C - ANALYTICAL TEST RESULTS SOIL AND WATERS



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### Analytical Report Number : 21-70049

|                             |                    |                                                        |            |
|-----------------------------|--------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Contract Chemicals | <b>Samples received on:</b>                            | 21/04/2021 |
| <b>Your job number:</b>     | P9656              | <b>Samples instructed on/<br/>Analysis started on:</b> | 21/04/2021 |
| <b>Your order number:</b>   |                    | <b>Analysis completed by:</b>                          | 28/04/2021 |
| <b>Report Issue Number:</b> | 1                  | <b>Report issued on:</b>                               | 28/04/2021 |
| <b>Samples Analysed:</b>    | 10 soil samples    |                                                        |            |

**Signed:** 

Zina Abdul Razzak  
Senior Quality Specialist  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 - 711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting  
leachates - 2 weeks from reporting  
waters - 2 weeks from reporting  
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 21-70049  
Project / Site name: Contract Chemicals

| Lab Sample Number                    | 1844595       | 1844596            | 1844597              | 1844598       | 1844599       |
|--------------------------------------|---------------|--------------------|----------------------|---------------|---------------|
| Sample Reference                     | BH01          | BH01               | BH02                 | BH02          | BH03          |
| Sample Number                        | P9656         | P9656              | P9656                | P9656         | P9656         |
| Depth (m)                            | 0.50          | 5.00               | 0.60                 | 5.00          | 0.60          |
| Date Sampled                         | 08/04/2021    | 08/04/2021         | 08/04/2021           | 08/04/2021    | 08/04/2021    |
| Time Taken                           | None Supplied | None Supplied      | None Supplied        | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units         | Limit of detection | Accreditation Status |               |               |
| Stone Content                        | %             | 0.1                | NONE                 | < 0.1         | < 0.1         |
| Moisture Content                     | %             | 0.01               | NONE                 | 10            | 12            |
| Total mass of sample received        | kg            | 0.001              | NONE                 | 1.5           | 1.7           |

#### General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 8.4 | 8.6 | 8.2 | 8.0 | 7.6 |
|----------------|----------|-----|--------|-----|-----|-----|-----|-----|
|----------------|----------|-----|--------|-----|-----|-----|-----|-----|

#### Speciated PAHs

|                        |       |      |        |        |        |        |        |        |
|------------------------|-------|------|--------|--------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dibenzo(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

#### Total PAH

| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|--------|--------|--------|--------|--------|--------|
|-----------------------------|-------|-----|--------|--------|--------|--------|--------|--------|

#### Heavy Metals / Metalloids

|                                      |       |     |        |       |       |       |       |       |
|--------------------------------------|-------|-----|--------|-------|-------|-------|-------|-------|
| Arsenic (aqueous regia extractable)  | mg/kg | 1   | MCERTS | 5.5   | 4.8   | 3.5   | 4.3   | 7.6   |
| Boron (water soluble)                | mg/kg | 0.2 | MCERTS | 0.5   | 0.3   | 0.8   | 0.2   | 0.5   |
| Cadmium (aqueous regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (aqueous regia extractable) | mg/kg | 1   | MCERTS | 20    | 16    | 10    | 15    | 30    |
| Copper (aqueous regia extractable)   | mg/kg | 1   | MCERTS | 10    | 15    | 14    | 8.9   | 12    |
| Lead (aqueous regia extractable)     | mg/kg | 1   | MCERTS | 12    | 5.8   | 9.0   | 6.6   | 50    |
| Mercury (aqueous regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqueous regia extractable)   | mg/kg | 1   | MCERTS | 19    | 16    | 12    | 14    | 26    |
| Selenium (aqueous regia extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqueous regia extractable) | mg/kg | 1   | MCERTS | 19    | 17    | 13    | 15    | 27    |
| Zinc (aqueous regia extractable)     | mg/kg | 1   | MCERTS | 27    | 26    | 69    | 39    | 29    |

#### Monoaromatics & Oxygenates

|                                    |       |   |        |       |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| Benzene                            | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene                            | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene                       | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| p & m-xylene                       | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-xylene                           | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |

#### Petroleum Hydrocarbons

|                                 |       |       |        |         |         |         |         |         |
|---------------------------------|-------|-------|--------|---------|---------|---------|---------|---------|
| TPH-CWG - Aliphatic >ECS - EC6  | mg/kg | 0.001 | MCERTS | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| TPH-CWG - Aliphatic >ECS - EC8  | mg/kg | 0.001 | MCERTS | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| TPH-CWG - Aliphatic >ECS - EC10 | mg/kg | 0.001 | MCERTS | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |

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The results included within the report relate only to the sample(s) submitted for testing.

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Analytical Report Number: 21-70049  
Project / Site name: Contract Chemicals

| Lab Sample Number                    | 1844595       | 1844596            | 1844597             | 1844598       | 1844599       |
|--------------------------------------|---------------|--------------------|---------------------|---------------|---------------|
| Sample Reference                     | BH01          | BH01               | BH02                | BH02          | BH03          |
| Sample Number                        | P9656         | P9656              | P9656               | P9656         | P9656         |
| Depth (m)                            | 0.50          | 5.00               | 0.60                | 5.00          | 0.60          |
| Date Sampled                         | 08/04/2021    | 08/04/2021         | 08/04/2021          | 08/04/2021    | 08/04/2021    |
| Time Taken                           | None Supplied | None Supplied      | None Supplied       | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Unit          | Limit of detection | Acceptance criteria |               |               |
| TPH-CWG - Aliphatic >EC10 - EC12     | mg/kg         | 1                  | MCERTS              | < 1.0         | < 1.0         |
| TPH-CWG - Aliphatic >EC12 - EC16     | mg/kg         | 2                  | MCERTS              | 4.4           | < 2.0         |
| TPH-CWG - Aliphatic >EC16 - EC21     | mg/kg         | 8                  | MCERTS              | 11            | < 8.0         |
| TPH-CWG - Aliphatic >EC21 - EC35     | mg/kg         | 8                  | MCERTS              | 90            | < 8.0         |
| TPH-CWG - Aliphatic (EC5 - EC35)     | mg/kg         | 10                 | MCERTS              | 110           | < 10          |
| TPH-CWG - Aromatic >EC5 - EC7        | mg/kg         | 0.001              | MCERTS              | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC7 - EC8        | mg/kg         | 0.001              | MCERTS              | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC8 - EC10       | mg/kg         | 0.001              | MCERTS              | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC10 - EC12      | mg/kg         | 1                  | MCERTS              | < 1.0         | < 1.0         |
| TPH-CWG - Aromatic >EC12 - EC16      | mg/kg         | 2                  | MCERTS              | < 2.0         | < 2.0         |
| TPH-CWG - Aromatic >EC16 - EC21      | mg/kg         | 10                 | MCERTS              | < 10          | < 10          |
| TPH-CWG - Aromatic >EC21 - EC35      | mg/kg         | 10                 | MCERTS              | 120           | < 10          |
| TPH-CWG - Aromatic (EC5 - EC35)      | mg/kg         | 10                 | MCERTS              | 120           | < 10          |

| VOCs                                  |       |   |           |       |       |
|---------------------------------------|-------|---|-----------|-------|-------|
| Chloromethane                         | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 |
| Chloroethane                          | µg/kg | 1 | NONE      | < 1.0 | < 1.0 |
| Bromomethane                          | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 |
| Vinyl Chloride                        | µg/kg | 1 | NONE      | < 1.0 | < 1.0 |
| Trichlorofluoromethane                | µg/kg | 1 | NONE      | < 1.0 | < 1.0 |
| 1,1-Dichloroethane                    | µg/kg | 1 | NONE      | < 1.0 | < 1.0 |
| 1,1,2-Trichloro 1,2,2-Trifluoroethane | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 |
| Cis-1,2-dichloroethene                | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether)    | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 1,1-Dichloroethane                    | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 2,2-Dichloropropane                   | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Trichloromethane                      | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 1,1,1-Trichloroethane                 | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 1,2-Dichloroethane                    | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 1,1-Dichloropropene                   | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Trans-1,2-dichloroethene              | µg/kg | 1 | NONE      | < 1.0 | < 1.0 |
| Benzene                               | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Tetrachloromethane                    | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 1,2-Dichloropropane                   | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Trichloroethene                       | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Dibromomethane                        | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Bromodichloromethane                  | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Cis-1,3-dichloropropene               | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 |
| Trans-1,3-dichloropropene             | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 |
| Toluene                               | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 1,1,2-Trichloroethane                 | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 1,3-Dichloropropane                   | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 |
| Dibromochloromethane                  | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 |
| Tetrachloroethene                     | µg/kg | 1 | NONE      | < 1.0 | < 1.0 |
| 1,2-Dibromoethane                     | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 |
| Chlorobenzene                         | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| 1,1,1,2-Tetrachloroethane             | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Ethylbenzene                          | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| p & m-Xylene                          | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Styrene                               | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |
| Tribromomethane                       | µg/kg | 1 | NONE      | < 1.0 | < 1.0 |
| o-Xylene                              | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 |

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Analytical Report Number: 21-70049  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                               |                         | 1844595       | 1844596       | 1844597       | 1844598       | 1844599       |
|-----------------------------------------|-------|-------------------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                               |                         | BH01          | BH01          | BH02          | BH02          | BH03          |
| Sample Number                           |       |                               |                         | P9656         | P9656         | P9656         | P9656         | P9656         |
| Depth (m)                               |       |                               |                         | 0.50          | 5.00          | 0.60          | 5.00          | 0.60          |
| Date Sampled                            |       |                               |                         | 08/04/2021    | 08/04/2021    | 08/04/2021    | 08/04/2021    | 08/04/2021    |
| Time Taken                              |       |                               |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection<br>(mg/kg) | Accreditation<br>Scheme |               |               |               |               |               |
|                                         |       |                               |                         |               |               |               |               |               |
| 1,1,2,2-Tetrachloroethane               | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Isopropylbenzene                        | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Bromobenzene                            | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| n-Propylbenzene                         | µg/kg | 1                             | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 2-Chlorotoluene                         | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 4-Chlorotoluene                         | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3,5-Trimethylbenzene                  | µg/kg | 1                             | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| tert-Butylbenzene                       | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trimethylbenzene                  | µg/kg | 1                             | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| sec-Butylbenzene                        | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3-Dichlorobenzene                     | µg/kg | 1                             | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| p-Isopropyltoluene                      | µg/kg | 1                             | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dichlorobenzene                     | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | 800           | < 1.0         | < 1.0         |
| 1,4-Dichlorobenzene                     | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Butylbenzene                            | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dibromo-3-chloropropane             | µg/kg | 1                             | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trichlorobenzene                  | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Hexachlorobutadiene                     | µg/kg | 1                             | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,3-Trichlorobenzene                  | µg/kg | 1                             | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |

## SVOCs

|                             |       |      |           |        |        |        |        |        |
|-----------------------------|-------|------|-----------|--------|--------|--------|--------|--------|
| Aniline                     | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Phenol                      | mg/kg | 0.2  | ISO 17025 | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Chlorophenol              | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Bis(2-chloroethyl)ether     | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 1,3-Dichlorobenzene         | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 1,2-Dichlorobenzene         | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 1,4-Dichlorobenzene         | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Bis(2-chloroisopropyl)ether | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2-Methylphenol              | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Hexachloroethane            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Nitrobenzene                | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 4-Methylphenol              | mg/kg | 0.2  | NONE      | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Isophorone                  | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Nitrophenol               | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 2,4-Dimethylphenol          | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Bis(2-chloroethoxy)methane  | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 1,2,4-Trichlorobenzene      | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Naphthalene                 | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2,4-Dichlorophenol          | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 4-Chloroaniline             | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Hexachlorobutadiene         | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 4-Chloro-3-methylphenol     | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2,4,6-Trichlorophenol       | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2,4,5-Trichlorophenol       | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Methylnaphthalene         | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2-Chloronaphthalene         | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Dimethylphthalate           | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2,6-Dinitrotoluene          | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Acenaphthylene              | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene                | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2,4-Dinitrotoluene          | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Dibenzofuran                | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |

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Analytical Report Number: 21-70049  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1844595       | 1844596       | 1844597       | 1844598       | 1844599       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         | BH01          | BH01          | BH02          | BH02          | BH03          |
| Sample Number                           |       |                    |                         | P9656         | P9656         | P9656         | P9656         | P9656         |
| Depth (m)                               |       |                    |                         | 0.50          | 5.00          | 0.60          | 5.00          | 0.60          |
| Date Sampled                            |       |                    |                         | 08/04/2021    | 08/04/2021    | 08/04/2021    | 08/04/2021    | 08/04/2021    |
| Time Taken                              |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Scheme |               |               |               |               |               |
| 4-Chlorophenyl phenyl ether             | mg/kg | 0.3                | ISO 17025               | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Diethyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| 4-Nitroaniline                          | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Fluorene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Azobenzene                              | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Bromophenyl phenyl ether                | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Hexachlorobenzene                       | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Phenanthrene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Anthracene                              | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Carbazole                               | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Dibutyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Anthraquinone                           | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Fluoranthene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Pyrene                                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Butyl benzyl phthalate                  | mg/kg | 0.3                | ISO 17025               | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Benzo(a)anthracene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Chrysene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(b)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(k)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(a)pyrene                          | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Indeno(1,2,3-cd)pyrene                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Dibenzo(a,h)anthracene                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(ghi)perylene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 21-70049  
Project / Site name: Contract Chemicals

| Lab Sample Number                    | 1844600       | 1844601            | 1844602       | 1844603       | 1844604       |
|--------------------------------------|---------------|--------------------|---------------|---------------|---------------|
| Sample Reference                     | BH03          | BH04               | BH04          | BH05          | BH05          |
| Sample Number                        | P9656         | P9656              | P9656         | P9656         | P9656         |
| Depth (m)                            | 4.00          | 0.40               | 2.00          | 0.70          | 2.50          |
| Date Sampled                         | 08/04/2021    | 09/04/2021         | 08/04/2021    | 09/04/2021    | 09/04/2021    |
| Time Taken                           | None Supplied | None Supplied      | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units         | Limit of detection | Accuracy      | Standard      | Standard      |
| Stone Content                        | %             | 0.1                | NONE          | < 0.1         | < 0.1         |
| Moisture Content                     | %             | 0.01               | NONE          | 15            | 11            |
| Total mass of sample received        | kg            | 0.001              | NONE          | 1.7           | 1.2           |

#### General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 8.3 | 7.9 | 6.5 | 8.1 | 4.9 |
|----------------|----------|-----|--------|-----|-----|-----|-----|-----|
|----------------|----------|-----|--------|-----|-----|-----|-----|-----|

#### Speciated PAHs

|                        |       |      |        |        |        |        |        |        |
|------------------------|-------|------|--------|--------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

#### Total PAH

| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|--------|--------|--------|--------|--------|--------|
|-----------------------------|-------|-----|--------|--------|--------|--------|--------|--------|

#### Heavy Metals / Metalloids

|                                |       |     |        |       |       |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|-------|-------|
| Arsenic (aqueous extractable)  | mg/kg | 1   | MCERTS | 5.3   | 5.5   | 2.2   | 4.6   | 6.2   |
| Boron (water soluble)          | mg/kg | 0.2 | MCERTS | 0.4   | 0.4   | 0.3   | 0.3   | 0.3   |
| Cadmium (aqueous extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 | 0.7   |
| Chromium (aqueous extractable) | mg/kg | 1   | MCERTS | 18    | 15    | 21    | 12    | 16    |
| Copper (aqueous extractable)   | mg/kg | 1   | MCERTS | 12    | 9.6   | 4.0   | 8.7   | 9.9   |
| Lead (aqueous extractable)     | mg/kg | 1   | MCERTS | 5.2   | 11    | 8.5   | 44    | 6.7   |
| Mercury (aqueous extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqueous extractable)   | mg/kg | 1   | MCERTS | 20    | 15    | 7.5   | 7.8   | 20    |
| Selenium (aqueous extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 | < 1.0 | 1.1   | < 1.0 |
| Vanadium (aqueous extractable) | mg/kg | 1   | MCERTS | 19    | 16    | 22    | 18    | 23    |
| Zinc (aqueous extractable)     | mg/kg | 1   | MCERTS | 25    | 36    | 19    | 94    | 29    |

#### Monoaromatics & Oxygenates

|                                    |       |   |        |       |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| Benzene                            | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene                            | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene                       | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| p & m-xylene                       | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-xylene                           | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |

#### Petroleum Hydrocarbons

|                                 |       |       |        |         |         |         |         |         |
|---------------------------------|-------|-------|--------|---------|---------|---------|---------|---------|
| TPH-CWG - Aliphatic >ECS - EC6  | mg/kg | 0.001 | MCERTS | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| TPH-CWG - Aliphatic >EC6 - EC8  | mg/kg | 0.001 | MCERTS | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| TPH-CWG - Aliphatic >EC8 - EC10 | mg/kg | 0.001 | MCERTS | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |

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The results included within the report relate only to the sample(s) submitted for testing.

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Analytical Report Number: 21-70049  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                      | 1844600       | 1844601       | 1844602       | 1844603       | 1844604       |
|-----------------------------------------|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                      | BH03          | BH04          | BH04          | BH05          | BH05          |
| Sample Number                           |       |                    |                      | P9656         | P9656         | P9656         | P9656         | P9656         |
| Depth (m)                               |       |                    |                      | 4.00          | 0.40          | 2.00          | 0.70          | 2.50          |
| Date Sampled                            |       |                    |                      | 08/04/2021    | 09/04/2021    | 08/04/2021    | 09/04/2021    | 09/04/2021    |
| Time Taken                              |       |                    |                      | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Acceptance<br>Status |               |               |               |               |               |
|                                         |       |                    |                      |               |               |               |               |               |
|                                         |       |                    |                      |               |               |               |               |               |
|                                         |       |                    |                      |               |               |               |               |               |
|                                         |       |                    |                      |               |               |               |               |               |
|                                         |       |                    |                      |               |               |               |               |               |
| TPH-CWG - Aliphatic >EC10 - EC12        | mg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| TPH-CWG - Aliphatic >EC12 - EC16        | mg/kg | 2                  | MCERTS               | < 2.0         | < 2.0         | < 2.0         | 9.8           | < 2.0         |
| TPH-CWG - Aliphatic >EC16 - EC21        | mg/kg | 8                  | MCERTS               | < 8.0         | < 8.0         | < 8.0         | 25            | < 8.0         |
| TPH-CWG - Aliphatic >EC21 - EC35        | mg/kg | 8                  | MCERTS               | < 8.0         | 46            | < 8.0         | 220           | < 8.0         |
| TPH-CWG - Aliphatic (EC5 - EC35)        | mg/kg | 10                 | MCERTS               | < 10          | 50            | < 10          | 250           | < 10          |
| TPH-CWG - Aromatic >EC5 - EC7           | mg/kg | 0.001              | MCERTS               | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC7 - EC8           | mg/kg | 0.001              | MCERTS               | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC8 - EC10          | mg/kg | 0.001              | MCERTS               | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC10 - EC12         | mg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| TPH-CWG - Aromatic >EC12 - EC16         | mg/kg | 2                  | MCERTS               | < 2.0         | < 2.0         | < 2.0         | < 2.0         | 8.0           |
| TPH-CWG - Aromatic >EC16 - EC21         | mg/kg | 10                 | MCERTS               | < 10          | < 10          | < 10          | < 10          | 12            |
| TPH-CWG - Aromatic >EC21 - EC35         | mg/kg | 10                 | MCERTS               | < 10          | 67            | < 10          | 30            | 40            |
| TPH-CWG - Aromatic (EC5 - EC35)         | mg/kg | 10                 | MCERTS               | < 10          | 72            | < 10          | 30            | 60            |

| VOCs                                  |       |   |           |       |       |       |       |       |
|---------------------------------------|-------|---|-----------|-------|-------|-------|-------|-------|
| Chloroethane                          | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Chloroethane                          | µg/kg | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Bromomethane                          | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vinyl Chloride                        | µg/kg | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trichlorofluoromethane                | µg/kg | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1-Dichloroethane                    | µg/kg | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1,2-Trichloro 1,2,2-Trifluoroethane | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Cis-1,2-dichloroethane                | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether)    | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1-Dichloroethane                    | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 2,2-Dichloropropane                   | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trichloromethane                      | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1,1-Trichloroethane                 | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,2-Dichloroethane                    | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1-Dichloropropane                   | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trans-1,2-dichloroethane              | µg/kg | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Benzene                               | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Tetrachloromethane                    | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,2-Dichloropropane                   | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trichloroethene                       | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Dibromomethane                        | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Bromodichloromethane                  | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Cis-1,3-dichloropropene               | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trans-1,3-dichloropropene             | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene                               | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1,2-Trichloroethane                 | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,3-Dichloropropane                   | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Dibromochloromethane                  | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Tetrachloroethene                     | µg/kg | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,2-Dibromoethane                     | µg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Chlorobenzene                         | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1,1,2-Tetrachloroethane             | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene                          | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| p & m-Xylene                          | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Styrene                               | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Tribromomethane                       | µg/kg | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene                              | µg/kg | 1 | MCERTS    | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |

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Analytical Report Number: 21-70049  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1844600       | 1844601       | 1844602       | 1844603       | 1844604       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         | BH03          | BH04          | BH04          | BH05          | BH05          |
| Sample Number                           |       |                    |                         | P9656         | P9656         | P9656         | P9656         | P9656         |
| Depth (m)                               |       |                    |                         | 4.00          | 0.40          | 2.00          | 0.70          | 2.50          |
| Date Sampled                            |       |                    |                         | 06/04/2021    | 09/04/2021    | 08/04/2021    | 09/04/2021    | 09/04/2021    |
| Time Taken                              |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Scheme |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
| 1,1,2,2-Tetrachloroethane               | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Isopropylbenzene                        | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Bromobenzene                            | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| n-Propylbenzene                         | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 2-Chlorotoluene                         | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 4-Chlorotoluene                         | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3,5-Trimethylbenzene                  | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| tert-Butylbenzene                       | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trimethylbenzene                  | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| sec-Butylbenzene                        | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3-Dichlorobenzene                     | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| p-Isopropyltoluene                      | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dichlorobenzene                     | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,4-Dichlorobenzene                     | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Butylbenzene                            | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dibromo-3-chloropropane             | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trichlorobenzene                  | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Hexachlorobutadiene                     | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,3-Trichlorobenzene                  | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |

| SVOCs                       |       |      |           |        |        |        |        |        |
|-----------------------------|-------|------|-----------|--------|--------|--------|--------|--------|
| Aniline                     | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Phenol                      | mg/kg | 0.2  | ISO 17025 | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Chlorophenol              | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Bis(2-chloroethyl)ether     | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 1,3-Dichlorobenzene         | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 1,2-Dichlorobenzene         | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 1,4-Dichlorobenzene         | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Bis(2-chloroisopropyl)ether | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2-Methylphenol              | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Hexachloroethane            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Nitrobenzene                | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 4-Methylphenol              | mg/kg | 0.2  | NONE      | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Isophorone                  | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Nitrophenol               | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 2,4-Dimethylphenol          | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Bis(2-chloroethoxy)methane  | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 1,2,4-Trichlorobenzene      | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Naphthalene                 | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2,4-Dichlorophenol          | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 4-Chloroaniline             | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Hexachlorobutadiene         | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 4-Chloro-3-methylphenol     | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2,4,6-Trichlorophenol       | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2,4,5-Trichlorophenol       | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Methylnaphthalene         | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2-Chloronaphthalene         | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Dimethylphthalate           | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2,6-Dinitrotoluene          | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Acenaphthylene              | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene                | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2,4-Dinitrotoluene          | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Dibenzofuran                | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |

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Analytical Report Number: 21-70049  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1844600       | 1844601       | 1844602       | 1844603       | 1844604       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         | BH03          | BH04          | BH04          | BH05          | BH05          |
| Sample Number                           |       |                    |                         | P9656         | P9656         | P9656         | P9656         | P9656         |
| Depth (m)                               |       |                    |                         | 4.00          | 0.40          | 2.00          | 0.70          | 2.50          |
| Date Sampled                            |       |                    |                         | 08/04/2021    | 09/04/2021    | 08/04/2021    | 09/04/2021    | 09/04/2021    |
| Time Taken                              |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Scheme |               |               |               |               |               |
| 4-Chlorophenyl phenyl ether             | mg/kg | 0.3                | ISO 17025               | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Diethyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| 4-Nitroaniline                          | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Fluorene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Azobenzene                              | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Bromophenyl phenyl ether                | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Hexachlorobenzene                       | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Phenanthrene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Anthracene                              | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Carbazole                               | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Dibutyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Anthraquinone                           | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Fluoranthene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Pyrene                                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Butyl benzyl phthalate                  | mg/kg | 0.3                | ISO 17025               | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Benzo(a)anthracene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Chrysene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(b)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(k)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(a)pyrene                          | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Indeno(1,2,3-cd)pyrene                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Dibenz(a,h)anthracene                   | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(ghi)perylene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |

U/S = Unsuitable Sample I/S = Insufficient Sample



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## **Analytical Report Number : 21-72714**

|                             |                    |                                                        |            |
|-----------------------------|--------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Contract Chemicals | <b>Samples received on:</b>                            | 04/05/2021 |
| <b>Your job number:</b>     |                    | <b>Samples instructed on/<br/>Analysis started on:</b> | 04/05/2021 |
| <b>Your order number:</b>   |                    | <b>Analysis completed by:</b>                          | 13/05/2021 |
| <b>Report Issue Number:</b> | 1                  | <b>Report issued on:</b>                               | 13/05/2021 |
| <b>Samples Analysed:</b>    | 4 water samples    |                                                        |            |

**Signed:** *A. Czerwińska*

Agnieszka Czerwińska  
Technical Reviewer (Reporting Team)  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

|                                                                                    |           |                           |
|------------------------------------------------------------------------------------|-----------|---------------------------|
| Standard sample disposal times, unless otherwise agreed with the laboratory, are : | soils     | - 4 weeks from reporting  |
|                                                                                    | leachates | - 2 weeks from reporting  |
|                                                                                    | waters    | - 2 weeks from reporting  |
|                                                                                    | asbestos  | - 6 months from reporting |

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 21-72714  
Project / Site name: Contract Chemicals

| Lab Sample Number                     | 1858591       | 1858592            | 1858593              | 1858594       |
|---------------------------------------|---------------|--------------------|----------------------|---------------|
| Sample Reference                      | BH4           | BH5                | BH1                  | BH3           |
| Sample Number                         | None Supplied | None Supplied      | None Supplied        | None Supplied |
| Depth (m)                             | 2.00          | 2.00               | 2.00                 | 2.00          |
| Date Sampled                          | 27/04/2021    | 27/04/2021         | 29/04/2021           | 29/04/2021    |
| Time Taken                            | None Supplied | None Supplied      | None Supplied        | None Supplied |
| Analytical Parameter (Water Analysis) | Units         | Limit of detection | Accreditation Status |               |

#### General Inorganics

| pH | pH Units | N/A | ISO 17025 | 7.0 | 6.6 | 6.8 | 7.2 |
|----|----------|-----|-----------|-----|-----|-----|-----|
|----|----------|-----|-----------|-----|-----|-----|-----|

#### Speciated PAHs

| Naphthalene            | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
|------------------------|------|------|-----------|--------|--------|--------|--------|
| Acenaphthylene         | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Acenaphthene           | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Fluorene               | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Phenanthrene           | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Anthracene             | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Fluoranthene           | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Pyrene                 | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(a)anthracene     | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Chrysene               | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(b)fluoranthene   | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(k)fluoranthene   | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(a)pyrene         | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Indeno(1,2,3-cd)pyrene | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Dibenz(a,h)anthracene  | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(ghi)perylene     | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

#### Total PAH

| Total EPA-16 PAHs | µg/l | 0.16 | ISO 17025 | < 0.16 | < 0.16 | < 0.16 | < 0.16 |
|-------------------|------|------|-----------|--------|--------|--------|--------|
|-------------------|------|------|-----------|--------|--------|--------|--------|

#### Heavy Metals / Metalloids

| Boron (dissolved)    | µg/l | 10   | ISO 17025 | 66     | 97     | 58     | 57     |
|----------------------|------|------|-----------|--------|--------|--------|--------|
| Arsenic (dissolved)  | µg/l | 0.15 | ISO 17025 | 0.28   | 0.91   | 2.10   | 1.81   |
| Cadmium (dissolved)  | µg/l | 0.02 | ISO 17025 | 0.08   | 0.13   | 0.04   | 0.13   |
| Chromium (dissolved) | µg/l | 0.2  | ISO 17025 | 3.3    | 1.7    | 9.2    | 3.4    |
| Copper (dissolved)   | µg/l | 0.5  | ISO 17025 | 4.0    | 4.1    | 4.6    | 10     |
| Lead (dissolved)     | µg/l | 0.2  | ISO 17025 | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Mercury (dissolved)  | µg/l | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Nickel (dissolved)   | µg/l | 0.5  | ISO 17025 | 11     | 38     | 5.9    | 14     |
| Selenium (dissolved) | µg/l | 0.6  | ISO 17025 | 4.8    | 6.9    | 2.7    | 3.0    |
| Zinc (dissolved)     | µg/l | 0.5  | ISO 17025 | 13     | 22     | 6.6    | 43     |

#### Monoaromatics & Oxygenates

| Benzene                            | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
|------------------------------------|------|---|-----------|-------|-------|-------|-------|
| Toluene                            | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene                       | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| p & m-xylene                       | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-xylene                           | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |

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The results included within the report relate only to the sample(s) submitted for testing.

Iss No 21-72714-1 Contract Chemicals  
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Analytical Report Number: 21-72714  
Project / Site name: Contract Chemicals

| Lab Sample Number                        |       |                    |                         | 18S8591       | 18S8592       | 18S8593       | 18S8594       |
|------------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|
| Sample Reference                         |       |                    |                         | BH4           | BH5           | BH1           | BH3           |
| Sample Number                            |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                                |       |                    |                         | 2.00          | 2.00          | 2.00          | 2.00          |
| Date Sampled                             |       |                    |                         | 27/04/2021    | 27/04/2021    | 29/04/2021    | 29/04/2021    |
| Time Taken                               |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Water Analysis) | Units | Limit of detection | Accreditation<br>Status |               |               |               |               |
|                                          |       |                    |                         |               |               |               |               |

#### Petroleum Hydrocarbons

|                                |      |    |           |       |       |       |       |
|--------------------------------|------|----|-----------|-------|-------|-------|-------|
| TPH-CWG - Aliphatic >C5 - C6   | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH-CWG - Aliphatic >C6 - C8   | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH-CWG - Aliphatic >C8 - C10  | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH-CWG - Aliphatic >C10 - C12 | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH-CWG - Aliphatic >C12 - C16 | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH-CWG - Aliphatic >C16 - C21 | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH-CWG - Aliphatic >C21 - C35 | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH-CWG - Aliphatic (C5 - C35) | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |

|                               |      |    |           |       |       |       |       |
|-------------------------------|------|----|-----------|-------|-------|-------|-------|
| TPH-CWG - Aromatic >C5 - C7   | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH-CWG - Aromatic >C7 - C8   | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH-CWG - Aromatic >C8 - C10  | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH-CWG - Aromatic >C10 - C12 | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH-CWG - Aromatic >C12 - C16 | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH-CWG - Aromatic >C16 - C21 | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH-CWG - Aromatic >C21 - C35 | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH-CWG - Aromatic (C5 - C35) | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |

#### VOCs

|                                       |      |   |           |       |       |       |       |
|---------------------------------------|------|---|-----------|-------|-------|-------|-------|
| Chloromethane                         | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Chloroethane                          | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Bromomethane                          | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vinyl Chloride                        | µg/l | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trichlorofluoromethane                | µg/l | 1 | NONE      | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1-Dichloroethane                    | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Cis-1,2-dichloroethane                | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether)    | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1-Dichloroethane                    | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 2,2-Dichloropropane                   | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trichloromethane                      | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1,1-Trichloroethane                 | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,2-Dichloroethane                    | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1-Dichloropropene                   | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trans-1,2-dichloroethane              | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Benzene                               | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Tetrachloromethane                    | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,2-Dichloropropane                   | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trichloroethene                       | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Dibromomethane                        | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Bromodichloromethane                  | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Cis-1,3-dichloropropene               | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Trans-1,3-dichloropropene             | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene                               | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1,2-Trichloroethane                 | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,3-Dichloropropane                   | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Dibromochloromethane                  | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Tetrachloroethene                     | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,2-Dibromoethane                     | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Chlorobenzene                         | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 1,1,1,2-Tetrachloroethane             | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene                          | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |

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Analytical Report Number: 21-72714

Project / Site name: Contract Chemicals

| Lab Sample Number                        |       |                    |                       | 1858591       | 1858592       | 1858593       | 1858594       |
|------------------------------------------|-------|--------------------|-----------------------|---------------|---------------|---------------|---------------|
| Sample Reference                         |       |                    |                       | BH4           | BH5           | BH1           | BH3           |
| Sample Number                            |       |                    |                       | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                                |       |                    |                       | 2.00          | 2.00          | 2.00          | 2.00          |
| Date Sampled                             |       |                    |                       | 27/04/2021    | 27/04/2021    | 29/04/2021    | 29/04/2021    |
| Time Taken                               |       |                    |                       | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Water Analysis) | Units | Limit of detection | Accuracy<br>Statement |               |               |               |               |
|                                          |       |                    |                       |               |               |               |               |
| p & m-Xylene                             | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Styrene                                  | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Tribromomethane                          | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| o-Xylene                                 | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,2,2-Tetrachloroethane                | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Isopropylbenzene                         | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Bromobenzene                             | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| n-Propylbenzene                          | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 2-Chlorotoluene                          | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 4-Chlorotoluene                          | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3,5-Trimethylbenzene                   | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| tert-Butylbenzene                        | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trimethylbenzene                   | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| sec-Butylbenzene                         | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3-Dichlorobenzene                      | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| p-Isopropyltoluene                       | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dichlorobenzene                      | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,4-Dichlorobenzene                      | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Butylbenzene                             | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dibromo-3-chloropropane              | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trichlorobenzene                   | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Hexachlorobutadiene                      | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,3-Trichlorobenzene                   | µg/l  | 1                  | ISO 17025             | < 1.0         | < 1.0         | < 1.0         | < 1.0         |

## SVOCs

|                              |      |      |           |        |        |        |        |
|------------------------------|------|------|-----------|--------|--------|--------|--------|
| Aniline                      | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenol                       | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2-Chlorophenol               | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Bis(2-chloroethoxy)ether     | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 1,3-Dichlorobenzene          | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 1,2-Dichlorobenzene          | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 1,4-Dichlorobenzene          | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Bis(2-chloroisopropoxy)ether | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2-Methylphenol               | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Hexachloroethane             | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Nitrobenzene                 | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 4-Methylphenol               | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Isophorone                   | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2-Nitrophenol                | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2,4-Dimethylphenol           | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Bis(2-chloroethoxy)methane   | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 1,2,4-Trichlorobenzene       | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Naphthalene                  | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 2,4-Dichlorophenol           | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 4-Chloroaniline              | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Hexachlorobutadiene          | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 4-Chloro-3-methylphenol      | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2,4,6-Trichlorophenol        | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2,4,5-Trichlorophenol        | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2-Methylnaphthalene          | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2-Chloronaphthalene          | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dimethylnaphthalene          | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 2,6-Dinitrotoluene           | µg/l | 0.05 | NONE      | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

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The results included within the report relate only to the sample(s) submitted for testing.

Iss No 21-72714-1 Contract Chemicals  
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Analytical Report Number: 21-72714  
Project / Site name: Contract Chemicals

| Lab Sample Number                        |       |                    |                         | 1858591       | 1858592       | 1858593       | 1858594       |
|------------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|
| Sample Reference                         |       |                    |                         | BH4           | BH5           | BH1           | BH3           |
| Sample Number                            |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                                |       |                    |                         | 2.00          | 2.00          | 2.00          | 2.00          |
| Date Sampled                             |       |                    |                         | 27/04/2021    | 27/04/2021    | 29/04/2021    | 29/04/2021    |
| Time Taken                               |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Water Analysis) | Units | Limit of detection | Accreditation<br>Scheme |               |               |               |               |
| Acenaphthylene                           | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Acenaphthene                             | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| 2,4-Dinitrotoluene                       | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Dibenzofuran                             | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| 4-Chlorophenyl phenyl ether              | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Diethyl phthalate                        | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| 4-Nitroaniline                           | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Fluorene                                 | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Azobenzene                               | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Bromophenyl phenyl ether                 | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Hexachlorobenzene                        | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Phenanthrene                             | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Anthracene                               | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Carbazole                                | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Dibutyl phthalate                        | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Anthraquinone                            | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Fluoranthene                             | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Pyrene                                   | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Butyl benzyl phthalate                   | µg/l  | 0.05               | NONE                    | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(a)anthracene                       | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Chrysene                                 | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Benzo(b)fluoranthene                     | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Benzo(k)fluoranthene                     | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Benzo(a)pyrene                           | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Indeno(1,2,3-cd)pyrene                   | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Dibenz(a,h)anthracene                    | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| Benzo(ghi)perylene                       | µg/l  | 0.01               | ISO 17025               | < 0.01        | < 0.01        | < 0.01        | < 0.01        |
| 3,4-Methylphenol                         | µg/l  | 0.1                | NONE                    | < 0.10        | < 0.10        | < 0.10        | < 0.10        |

U/S = Unsuitable Sample I/S = Insufficient Sample



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## **Analytical Report Number : 21-85847**

|                             |                    |                                                        |            |
|-----------------------------|--------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Contract Chemicals | <b>Samples received on:</b>                            | 08/07/2021 |
| <b>Your job number:</b>     | C CHEM             | <b>Samples instructed on/<br/>Analysis started on:</b> | 08/07/2021 |
| <b>Your order number:</b>   |                    | <b>Analysis completed by:</b>                          | 15/07/2021 |
| <b>Report Issue Number:</b> | 1                  | <b>Report issued on:</b>                               | 15/07/2021 |
| <b>Samples Analysed:</b>    | 11 soil samples    |                                                        |            |

**Signed:** *Karolina Marek*

Karolina Marek  
PL Head of Reporting Team  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

|           |                           |
|-----------|---------------------------|
| soils     | - 4 weeks from reporting  |
| leachates | - 2 weeks from reporting  |
| waters    | - 2 weeks from reporting  |
| asbestos  | - 6 months from reporting |

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 21-85847  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1932081       | 1932082       | 1932083       | 1932084       | 1932085       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         | PPS1          | PPS2          | PPS3          | PPS4          | PPS5          |
| Sample Number                           |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                               |       |                    |                         | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     |
| Date Sampled                            |       |                    |                         | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    |
| Time Taken                              |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Scheme |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
| Stone Content                           | %     | 0.1                | NONE                    | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Moisture Content                        | %     | 0.01               | NONE                    | 15            | 17            | 12            | 13            | 13            |
| Total mass of sample received           | kg    | 0.001              | NONE                    | 0.50          | 0.50          | 0.50          | 0.50          | 0.50          |

#### General Inorganics

|                |          |     |        |     |     |     |     |     |
|----------------|----------|-----|--------|-----|-----|-----|-----|-----|
| pH - Automated | pH Units | N/A | MCERTS | 9.0 | 9.5 | 9.1 | 8.3 | 8.1 |
|----------------|----------|-----|--------|-----|-----|-----|-----|-----|

#### Speciated PAHs

|                        |       |      |        |        |        |        |        |        |
|------------------------|-------|------|--------|--------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS | < 0.05 | 0.36   | < 0.05 | < 0.05 | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS | < 0.05 | 0.56   | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS | < 0.05 | 0.15   | < 0.05 | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS | < 0.05 | 0.17   | < 0.05 | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 | 0.17   | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 | 0.12   | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS | < 0.05 | 0.19   | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

#### Total PAH

|                             |       |     |        |        |      |        |        |        |
|-----------------------------|-------|-----|--------|--------|------|--------|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | < 0.80 | 1.72 | < 0.80 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|--------|--------|------|--------|--------|--------|

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |       |       |       |       |
|-----------------------------------|-------|-----|--------|-------|-------|-------|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 5.6   | 6.0   | 6.8   | 8.6   | 7.8   |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | 0.2   | 0.3   | < 0.2 | 0.2   | < 0.2 |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | 0.2   | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 18    | 25    | 15    | 30    | 36    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 31    | 36    | 19    | 27    | 23    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 19    | 29    | 5.5   | 7.9   | 7.4   |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 15    | 25    | 14    | 36    | 24    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1   | MCERTS | 14    | 17    | 15    | 28    | 30    |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 90    | 88    | 47    | 49    | 70    |

#### Monoaromatics & Oxygenates

|                                    |       |   |        |       |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| Benzene                            | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene                            | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene                       | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| p & m-xylene                       | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-xylene                           | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |



Analytical Report Number: 21-85847  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1932081       | 1932082       | 1932083       | 1932084       | 1932085       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         | PPS1          | PPS2          | PPS3          | PPS4          | PPS5          |
| Sample Number                           |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                               |       |                    |                         | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     |
| Date Sampled                            |       |                    |                         | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    |
| Time Taken                              |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Status |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
| Petroleum Hydrocarbons                  |       |                    |                         |               |               |               |               |               |
| TPH-CWG - Aliphatic >EC5 - EC6          | mg/kg | 0.001              | MCERTS                  | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aliphatic >EC6 - EC8          | mg/kg | 0.001              | MCERTS                  | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aliphatic >EC8 - EC10         | mg/kg | 0.001              | MCERTS                  | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aliphatic >EC10 - EC12        | mg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| TPH-CWG - Aliphatic >EC12 - EC16        | mg/kg | 2                  | MCERTS                  | < 2.0         | < 2.0         | < 2.0         | < 2.0         | < 2.0         |
| TPH-CWG - Aliphatic >EC16 - EC21        | mg/kg | 8                  | MCERTS                  | < 8.0         | < 8.0         | < 8.0         | < 8.0         | < 8.0         |
| TPH-CWG - Aliphatic >EC21 - EC35        | mg/kg | 8                  | MCERTS                  | < 8.0         | < 8.0         | < 8.0         | < 8.0         | < 8.0         |
| TPH-CWG - Aliphatic (EC5 - EC35)        | mg/kg | 10                 | MCERTS                  | < 10          | < 10          | < 10          | < 10          | < 10          |
|                                         |       |                    |                         |               |               |               |               |               |
| TPH-CWG - Aromatic >EC5 - EC7           | mg/kg | 0.001              | MCERTS                  | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC7 - EC8           | mg/kg | 0.001              | MCERTS                  | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC8 - EC10          | mg/kg | 0.001              | MCERTS                  | < 0.001       | < 0.001       | < 0.001       | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC10 - EC12         | mg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| TPH-CWG - Aromatic >EC12 - EC16         | mg/kg | 2                  | MCERTS                  | < 2.0         | < 2.0         | < 2.0         | < 2.0         | < 2.0         |
| TPH-CWG - Aromatic >EC16 - EC21         | mg/kg | 10                 | MCERTS                  | < 10          | < 10          | < 10          | < 10          | < 10          |
| TPH-CWG - Aromatic >EC21 - EC35         | mg/kg | 10                 | MCERTS                  | < 10          | < 10          | < 10          | < 10          | < 10          |
| TPH-CWG - Aromatic (EC5 - EC35)         | mg/kg | 10                 | MCERTS                  | < 10          | < 10          | < 10          | < 10          | < 10          |
|                                         |       |                    |                         |               |               |               |               |               |
| VOCs                                    |       |                    |                         |               |               |               |               |               |
| Chloromethane                           | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Chloroethane                            | µg/kg | 1                  | NONE                    | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Bromomethane                            | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Vinyl Chloride                          | µg/kg | 1                  | NONE                    | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Trichlorofluoromethane                  | µg/kg | 1                  | NONE                    | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1-Dichloroethene                      | µg/kg | 1                  | NONE                    | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,2-Trichloro 1,2,2-Trifluoroethane   | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Cis-1,2-dichloroethene                  | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| MTBE (Methyl Tertiary Butyl Ether)      | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1-Dichloroethane                      | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 2,2-Dichloropropane                     | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Trichloromethane                        | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,1-Trichloroethane                   | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dichloroethane                      | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1-Dichloropropene                     | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Trans-1,2-dichloroethene                | µg/kg | 1                  | NONE                    | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Benzene                                 | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Tetrachloromethane                      | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dichloropropane                     | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Trichloroethene                         | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Dibromomethane                          | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Bromodichloromethane                    | µg/kg | 1                  | MCERTS                  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Cis-1,3-dichloropropene                 | µg/kg | 1                  | ISO 17025               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |



Analytical Report Number: 21-85847  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         |  | 1932081       | 1932082       | 1932083       | 1932084       | 1932085       |
|-----------------------------------------|-------|--------------------|-------------------------|--|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         |  | PPS1          | PPS2          | PPS3          | PPS4          | PPS5          |
| Sample Number                           |       |                    |                         |  | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                               |       |                    |                         |  | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     |
| Date Sampled                            |       |                    |                         |  | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    |
| Time Taken                              |       |                    |                         |  | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Scheme |  |               |               |               |               |               |
| Trans-1,3-dichloropropene               | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Toluene                                 | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,2-Trichloroethane                   | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3-Dichloropropane                     | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Dibromochloromethane                    | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Tetrachloroethene                       | µg/kg | 1                  | NONE                    |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dibromoethane                       | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Chlorobenzene                           | µg/kg | 1                  | MCERTS                  |  | 9.0           | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,1,2-Tetrachloroethane               | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Ethylbenzene                            | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| p & m-Xylene                            | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Styrene                                 | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Tribromomethane                         | µg/kg | 1                  | NONE                    |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| o-Xylene                                | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,2,2-Tetrachloroethane               | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Isopropylbenzene                        | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Bromobenzene                            | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| n-Propylbenzene                         | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 2-Chlorotoluene                         | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 4-Chlorotoluene                         | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3,5-Trimethylbenzene                  | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| tert-Butylbenzene                       | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trimethylbenzene                  | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| sec-Butylbenzene                        | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3-Dichlorobenzene                     | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| p-Isopropyltoluene                      | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dichlorobenzene                     | µg/kg | 1                  | MCERTS                  |  | 220           | 150           | < 1.0         | < 1.0         | < 1.0         |
| 1,4-Dichlorobenzene                     | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Butylbenzene                            | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dibromo-3-chloropropane             | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trichlorobenzene                  | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Hexachlorobutadiene                     | µg/kg | 1                  | MCERTS                  |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,3-Trichlorobenzene                  | µg/kg | 1                  | ISO 17025               |  | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |

## SVOCs

|                              |       |      |           |        |        |        |        |        |
|------------------------------|-------|------|-----------|--------|--------|--------|--------|--------|
| Aniline                      | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Phenol                       | mg/kg | 0.2  | ISO 17025 | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Chlorophenol               | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Bis(2-chloroethoxy)ether     | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 1,3-Dichlorobenzene          | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 1,2-Dichlorobenzene          | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 1,4-Dichlorobenzene          | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Bis(2-chloroisopropoxy)ether | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2-Methylphenol               | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Hexachloroethane             | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Nitrobenzene                 | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 4-Methylphenol               | mg/kg | 0.2  | NONE      | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Isophorone                   | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Nitrophenol                | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 2,4-Dimethylphenol           | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Bis(2-chloroethoxy)methane   | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |



Analytical Report Number: 21-85847  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1932081       | 1932082       | 1932083       | 1932084       | 1932085       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         | PPS1          | PPS2          | PPS3          | PPS4          | PPS5          |
| Sample Number                           |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                               |       |                    |                         | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     |
| Date Sampled                            |       |                    |                         | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    |
| Time Taken                              |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Scheme |               |               |               |               |               |
| 1,2,4-Trichlorobenzene                  | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Naphthalene                             | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| 2,4-Dichlorophenol                      | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| 4-Chloroaniline                         | mg/kg | 0.1                | NONE                    | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Hexachlorobutadiene                     | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 4-Chloro-3-methylphenol                 | mg/kg | 0.1                | NONE                    | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 2,4,6-Trichlorophenol                   | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 2,4,5-Trichlorophenol                   | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| 2-Methylnaphthalene                     | mg/kg | 0.1                | NONE                    | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 2-Chloronaphthalene                     | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Dimethylphthalate                       | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 2,6-Dinitrotoluene                      | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Acenaphthylene                          | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Acenaphthene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| 2,4-Dinitrotoluene                      | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Dibenzofuran                            | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| 4-Chlorophenyl phenyl ether             | mg/kg | 0.3                | ISO 17025               | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Diethyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| 4-Nitroaniline                          | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Fluorene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Azobenzene                              | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Bromophenyl phenyl ether                | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Hexachlorobenzene                       | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Phenanthrene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Anthracene                              | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Carbazole                               | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Dibutyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Anthraquinone                           | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Fluoranthene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | 0.36          | < 0.05        | < 0.05        | < 0.05        |
| Pyrene                                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | 0.56          | < 0.05        | < 0.05        | < 0.05        |
| Butyl benzyl phthalate                  | mg/kg | 0.3                | ISO 17025               | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Benzo(a)anthracene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        | 0.15          | < 0.05        | < 0.05        | < 0.05        |
| Chrysene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        | 0.17          | < 0.05        | < 0.05        | < 0.05        |
| Benzo(b)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        | 0.17          | < 0.05        | < 0.05        | < 0.05        |
| Benzo(k)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        | 0.12          | < 0.05        | < 0.05        | < 0.05        |
| Benzo(a)pyrene                          | mg/kg | 0.05               | MCERTS                  | < 0.05        | 0.19          | < 0.05        | < 0.05        | < 0.05        |
| Indeno(1,2,3-cd)pyrene                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Dibenzo(a,h)anthracene                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(ghi)perylene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 21-85847

Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1932086       | 1932087       | 1932088       | 1932089       | 1932090       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         | PPS6          | PPS7          | PPS8          | PPS9          | PPS10         |
| Sample Number                           |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                               |       |                    |                         | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     |
| Date Sampled                            |       |                    |                         | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    |
| Time Taken                              |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Status |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
|                                         |       |                    |                         |               |               |               |               |               |
| Stone Content                           | %     | 0.1                | NONE                    | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Moisture Content                        | %     | 0.01               | NONE                    | 13            | 13            | 15            | 14            | 12            |
| Total mass of sample received           | kg    | 0.001              | NONE                    | 0.50          | 0.50          | 0.50          | 0.50          | 0.50          |

## General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 9.8 | 7.7 | 7.9 | 8.1 | 8.0 |
|----------------|----------|-----|--------|-----|-----|-----|-----|-----|
|----------------|----------|-----|--------|-----|-----|-----|-----|-----|

## Speciated PAHs

|                        |       |      |        |        |        |        |        |        |
|------------------------|-------|------|--------|--------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

## Total PAH

|                             |       |     |        |        |        |        |        |        |
|-----------------------------|-------|-----|--------|--------|--------|--------|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|--------|--------|--------|--------|--------|--------|

## Heavy Metals / Metalloids

|                                   |       |     |        |       |       |       |       |       |
|-----------------------------------|-------|-----|--------|-------|-------|-------|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 4.1   | 7.4   | 6.5   | 9.9   | 8.7   |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | 0.9   | < 0.2 | < 0.2 | 0.2   | 0.3   |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 18    | 35    | 36    | 36    | 38    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 17    | 21    | 25    | 29    | 17    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 8.2   | 6.3   | 7.3   | 13    | 7.7   |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 15    | 36    | 28    | 30    | 21    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1   | MCERTS | 14    | 29    | 29    | 34    | 38    |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 47    | 41    | 42    | 64    | 38    |

## Monoaromatics &amp; Oxygenates

|                                    |       |   |        |       |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| Benzene                            | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene                            | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene                       | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| p & m-xylene                       | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-xylene                           | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |



Analytical Report Number: 21-85847  
Project / Site name: Contract Chemicals

| Lab Sample Number                     |  |  |  |  | 1932086       | 1932087            | 1932088       | 1932089       | 1932090       |
|---------------------------------------|--|--|--|--|---------------|--------------------|---------------|---------------|---------------|
| Sample Reference                      |  |  |  |  | PP56          | PP57               | PP58          | PP59          | PP510         |
| Sample Number                         |  |  |  |  | None Supplied | None Supplied      | None Supplied | None Supplied | None Supplied |
| Depth (m)                             |  |  |  |  | 0.00-0.30     | 0.00-0.30          | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     |
| Date Sampled                          |  |  |  |  | 06/07/2021    | 06/07/2021         | 06/07/2021    | 06/07/2021    | 06/07/2021    |
| Time Taken                            |  |  |  |  | None Supplied | None Supplied      | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis)  |  |  |  |  | Units         | Limit of detection | Accuracy      | Recovery      | Recovery      |
| Petroleum Hydrocarbons                |  |  |  |  |               |                    |               |               |               |
| TPH-CWG - Aliphatic >EC5 - EC6        |  |  |  |  | mg/kg         | 0.001              | MCERTS        | < 0.001       | < 0.001       |
| TPH-CWG - Aliphatic >EC6 - EC8        |  |  |  |  | mg/kg         | 0.001              | MCERTS        | < 0.001       | < 0.001       |
| TPH-CWG - Aliphatic >EC8 - EC10       |  |  |  |  | mg/kg         | 0.001              | MCERTS        | < 0.001       | < 0.001       |
| TPH-CWG - Aliphatic >EC10 - EC12      |  |  |  |  | mg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| TPH-CWG - Aliphatic >EC12 - EC16      |  |  |  |  | mg/kg         | 2                  | MCERTS        | < 2.0         | < 2.0         |
| TPH-CWG - Aliphatic >EC16 - EC21      |  |  |  |  | mg/kg         | 8                  | MCERTS        | < 8.0         | < 8.0         |
| TPH-CWG - Aliphatic >EC21 - EC35      |  |  |  |  | mg/kg         | 8                  | MCERTS        | < 8.0         | < 8.0         |
| TPH-CWG - Aliphatic (EC5 - EC35)      |  |  |  |  | mg/kg         | 10                 | MCERTS        | < 10          | < 10          |
| TPH-CWG - Aromatic >EC5 - EC7         |  |  |  |  | mg/kg         | 0.001              | MCERTS        | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC7 - EC8         |  |  |  |  | mg/kg         | 0.001              | MCERTS        | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC8 - EC10        |  |  |  |  | mg/kg         | 0.001              | MCERTS        | < 0.001       | < 0.001       |
| TPH-CWG - Aromatic >EC10 - EC12       |  |  |  |  | mg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| TPH-CWG - Aromatic >EC12 - EC16       |  |  |  |  | mg/kg         | 2                  | MCERTS        | < 2.0         | < 2.0         |
| TPH-CWG - Aromatic >EC16 - EC21       |  |  |  |  | mg/kg         | 10                 | MCERTS        | < 10          | < 10          |
| TPH-CWG - Aromatic >EC21 - EC35       |  |  |  |  | mg/kg         | 10                 | MCERTS        | < 10          | < 10          |
| TPH-CWG - Aromatic (EC5 - EC35)       |  |  |  |  | mg/kg         | 10                 | MCERTS        | < 10          | < 10          |
| VOCs                                  |  |  |  |  |               |                    |               |               |               |
| Chloromethane                         |  |  |  |  | µg/kg         | 1                  | ISO 17025     | < 1.0         | < 1.0         |
| Chloroethane                          |  |  |  |  | µg/kg         | 1                  | NONE          | < 1.0         | < 1.0         |
| Bromomethane                          |  |  |  |  | µg/kg         | 1                  | ISO 17025     | < 1.0         | < 1.0         |
| Vinyl Chloride                        |  |  |  |  | µg/kg         | 1                  | NONE          | < 1.0         | < 1.0         |
| Trichlorofluoromethane                |  |  |  |  | µg/kg         | 1                  | NONE          | < 1.0         | < 1.0         |
| 1,1-Dichloroethane                    |  |  |  |  | µg/kg         | 1                  | NONE          | < 1.0         | < 1.0         |
| 1,1,2-Trichloro 1,2,2-Trifluoroethane |  |  |  |  | µg/kg         | 1                  | ISO 17025     | < 1.0         | < 1.0         |
| Cis-1,2-dichloroethane                |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| MTBE (Methyl Tertiary Butyl Ether)    |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| 1,1-Dichloroethane                    |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| 2,2-Dichloropropane                   |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| Trichloromethane                      |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| 1,1,1-Trichloroethane                 |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| 1,2-Dichloroethane                    |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| 1,1-Dichloropropene                   |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| Trans-1,2-dichloroethene              |  |  |  |  | µg/kg         | 1                  | NONE          | < 1.0         | < 1.0         |
| Benzene                               |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| Tetrachloromethane                    |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| 1,2-Dichloropropane                   |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| Trichloroethene                       |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| Dibromomethane                        |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| Bromodichloromethane                  |  |  |  |  | µg/kg         | 1                  | MCERTS        | < 1.0         | < 1.0         |
| Cis-1,3-dichloropropene               |  |  |  |  | µg/kg         | 1                  | ISO 17025     | < 1.0         | < 1.0         |



Analytical Report Number: 21-85847  
Project / Site name: Contract Chemicals

| Lab Sample Number                    |       |                    |                      | 1932086       | 1932087       | 1932088       | 1932089       | 1932090       |
|--------------------------------------|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                     |       |                    |                      | PPS6          | PPS7          | PPS8          | PPS9          | PPS10         |
| Sample Number                        |       |                    |                      | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                            |       |                    |                      | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     |
| Date Sampled                         |       |                    |                      | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    |
| Time Taken                           |       |                    |                      | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Scheme |               |               |               |               |               |
| Trans-1,3-dichloropropene            | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Toluene                              | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,2-Trichloroethane                | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3-Dichloropropane                  | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Dibromochloromethane                 | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Tetrachloroethene                    | µg/kg | 1                  | NONE                 | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dibromoethane                    | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Chlorobenzene                        | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,1,2-Tetrachloroethane            | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Ethylbenzene                         | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| p & m-Xylene                         | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Styrene                              | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Tribromomethane                      | µg/kg | 1                  | NONE                 | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| o-Xylene                             | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,1,2,2-Tetrachloroethane            | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Isopropylbenzene                     | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Bromobenzene                         | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| n-Propylbenzene                      | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 2-Chlorotoluene                      | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 4-Chlorotoluene                      | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3,5-Trimethylbenzene               | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| tert-Butylbenzene                    | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trimethylbenzene               | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| sec-Butylbenzene                     | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,3-Dichlorobenzene                  | µg/kg | 1                  | ISO 17025            | 58            | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| p-Isopropyltoluene                   | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dichlorobenzene                  | µg/kg | 1                  | MCERTS               | 200           | < 1.0         | < 1.0         | 22            | < 1.0         |
| 1,4-Dichlorobenzene                  | µg/kg | 1                  | MCERTS               | 66            | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Butylbenzene                         | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2-Dibromo-3-chloropropane          | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,4-Trichlorobenzene               | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| Hexachlorobutadiene                  | µg/kg | 1                  | MCERTS               | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |
| 1,2,3-Trichlorobenzene               | µg/kg | 1                  | ISO 17025            | < 1.0         | < 1.0         | < 1.0         | < 1.0         | < 1.0         |

## SVOCs

|                             |       |      |           |        |        |        |        |        |
|-----------------------------|-------|------|-----------|--------|--------|--------|--------|--------|
| Aniline                     | mg/kg | 0.1  | NONE      | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Phenol                      | mg/kg | 0.2  | ISO 17025 | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Chlorophenol              | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Bis(2-chloroethyl)ether     | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 1,3-Dichlorobenzene         | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 1,2-Dichlorobenzene         | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 1,4-Dichlorobenzene         | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Bis(2-chloroisopropyl)ether | mg/kg | 0.1  | MCERTS    | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| 2-Methylphenol              | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Hexachloroethane            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Nitrobenzene                | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 4-Methylphenol              | mg/kg | 0.2  | NONE      | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| Isophorone                  | mg/kg | 0.2  | MCERTS    | < 0.2  | < 0.2  | < 0.2  | < 0.2  | < 0.2  |
| 2-Nitrophenol               | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| 2,4-Dimethylphenol          | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |
| Bis(2-chloroethoxy)methane  | mg/kg | 0.3  | MCERTS    | < 0.3  | < 0.3  | < 0.3  | < 0.3  | < 0.3  |



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| Lab Sample Number                       |       |                    |                         | 1932086       | 1932087       | 1932088       | 1932089       | 1932090       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                    |                         | PPS6          | PPS7          | PPS8          | PPS9          | PPS10         |
| Sample Number                           |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                               |       |                    |                         | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     | 0.00-0.30     |
| Date Sampled                            |       |                    |                         | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    | 06/07/2021    |
| Time Taken                              |       |                    |                         | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>scheme |               |               |               |               |               |
| 1,2,4-Trichlorobenzene                  | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Naphthalene                             | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| 2,4-Dichlorophenol                      | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| 4-Chloroaniline                         | mg/kg | 0.1                | NONE                    | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Hexachlorobutadiene                     | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 4-Chloro-3-methylphenol                 | mg/kg | 0.1                | NONE                    | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 2,4,6-Trichlorophenol                   | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 2,4,5-Trichlorophenol                   | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| 2-Methylnaphthalene                     | mg/kg | 0.1                | NONE                    | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 2-Chloronaphthalene                     | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Dimethylphthalate                       | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| 2,6-Dinitrotoluene                      | mg/kg | 0.1                | MCERTS                  | < 0.1         | < 0.1         | < 0.1         | < 0.1         | < 0.1         |
| Acenaphthylene                          | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Acenaphthene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| 2,4-Dinitrotoluene                      | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Dibenzofuran                            | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| 4-Chlorophenyl phenyl ether             | mg/kg | 0.3                | ISO 17025               | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Diethyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| 4-Nitroaniline                          | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Fluorene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Azobenzene                              | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Bromophenyl phenyl ether                | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Hexachlorobenzene                       | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Phenanthrene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Anthracene                              | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Carbazole                               | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Dibutyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         | < 0.2         | < 0.2         | < 0.2         | < 0.2         |
| Anthraquinone                           | mg/kg | 0.3                | MCERTS                  | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Fluoranthene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Pyrene                                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Butyl benzyl phthalate                  | mg/kg | 0.3                | ISO 17025               | < 0.3         | < 0.3         | < 0.3         | < 0.3         | < 0.3         |
| Benzo(a)anthracene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Chrysene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(b)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(k)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(a)pyrene                          | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Indeno(1,2,3-cd)pyrene                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Dibenzo(a,h)anthracene                  | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |
| Benzo(ghi)perylene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        | < 0.05        | < 0.05        | < 0.05        | < 0.05        |

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 21-85847  
Project / Site name: Contract Chemicals

| Lab Sample Number                       | 1932091       |                    |                         |       |
|-----------------------------------------|---------------|--------------------|-------------------------|-------|
| Sample Reference                        | PPS11         |                    |                         |       |
| Sample Number                           | None Supplied |                    |                         |       |
| Depth (m)                               | 0.00-0.30     |                    |                         |       |
| Date Sampled                            | 06/07/2021    |                    |                         |       |
| Time Taken                              | None Supplied |                    |                         |       |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Scheme |       |
| Stone Content                           | %             | 0.1                | NONE                    | < 0.1 |
| Moisture Content                        | %             | 0.01               | NONE                    | 14    |
| Total mass of sample received           | kg            | 0.001              | NONE                    | 0.50  |

#### General Inorganics

|                |          |     |        |      |
|----------------|----------|-----|--------|------|
| pH - Automated | pH Units | N/A | MCERTS | 10.8 |
|----------------|----------|-----|--------|------|

#### Speciated PAHs

|                        |       |      |        |        |
|------------------------|-------|------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | MCERTS | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS | < 0.05 |

#### Total PAH

|                             |       |     |        |        |
|-----------------------------|-------|-----|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | < 0.80 |
|-----------------------------|-------|-----|--------|--------|

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |
|-----------------------------------|-------|-----|--------|-------|
| Arsenic (aque regia extractable)  | mg/kg | 1   | MCERTS | 3.5   |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | 0.3   |
| Cadmium (aque regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 |
| Chromium (aque regia extractable) | mg/kg | 1   | MCERTS | 16    |
| Copper (aque regia extractable)   | mg/kg | 1   | MCERTS | 17    |
| Lead (aque regia extractable)     | mg/kg | 1   | MCERTS | 12    |
| Mercury (aque regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 |
| Nickel (aque regia extractable)   | mg/kg | 1   | MCERTS | 11    |
| Selenium (aque regia extractable) | mg/kg | 1   | MCERTS | < 1.0 |
| Vanadium (aque regia extractable) | mg/kg | 1   | MCERTS | 17    |
| Zinc (aque regia extractable)     | mg/kg | 1   | MCERTS | 40    |

#### Monoaromatics & Oxygenates

|                                    |       |   |        |       |
|------------------------------------|-------|---|--------|-------|
| Benzene                            | µg/kg | 1 | MCERTS | < 1.0 |
| Toluene                            | µg/kg | 1 | MCERTS | < 1.0 |
| Ethylbenzene                       | µg/kg | 1 | MCERTS | < 1.0 |
| p & m-xylene                       | µg/kg | 1 | MCERTS | < 1.0 |
| o-xylene                           | µg/kg | 1 | MCERTS | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | < 1.0 |



Analytical Report Number: 21-85847  
Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1932091       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|
| Sample Reference                        |       |                    |                         | PPS11         |
| Sample Number                           |       |                    |                         | None Supplied |
| Depth (m)                               |       |                    |                         | 0.00-0.30     |
| Date Sampled                            |       |                    |                         | 06/07/2021    |
| Time Taken                              |       |                    |                         | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Scheme |               |
| <b>Petroleum Hydrocarbons</b>           |       |                    |                         |               |
| TPH-CWG - Aliphatic >EC5 - EC6          | mg/kg | 0.001              | MCERTS                  | < 0.001       |
| TPH-CWG - Aliphatic >EC6 - EC8          | mg/kg | 0.001              | MCERTS                  | < 0.001       |
| TPH-CWG - Aliphatic >EC8 - EC10         | mg/kg | 0.001              | MCERTS                  | < 0.001       |
| TPH-CWG - Aliphatic >EC10 - EC12        | mg/kg | 1                  | MCERTS                  | < 1.0         |
| TPH-CWG - Aliphatic >EC12 - EC16        | mg/kg | 2                  | MCERTS                  | < 2.0         |
| TPH-CWG - Aliphatic >EC16 - EC21        | mg/kg | 8                  | MCERTS                  | < 8.0         |
| TPH-CWG - Aliphatic >EC21 - EC35        | mg/kg | 8                  | MCERTS                  | < 8.0         |
| TPH-CWG - Aliphatic (EC5 - EC35)        | mg/kg | 10                 | MCERTS                  | < 10          |

|                                 |       |       |        |         |
|---------------------------------|-------|-------|--------|---------|
| TPH-CWG - Aromatic >EC5 - EC7   | mg/kg | 0.001 | MCERTS | < 0.001 |
| TPH-CWG - Aromatic >EC7 - EC8   | mg/kg | 0.001 | MCERTS | < 0.001 |
| TPH-CWG - Aromatic >EC8 - EC10  | mg/kg | 0.001 | MCERTS | < 0.001 |
| TPH-CWG - Aromatic >EC10 - EC12 | mg/kg | 1     | MCERTS | < 1.0   |
| TPH-CWG - Aromatic >EC12 - EC16 | mg/kg | 2     | MCERTS | < 2.0   |
| TPH-CWG - Aromatic >EC16 - EC21 | mg/kg | 10    | MCERTS | < 10    |
| TPH-CWG - Aromatic >EC21 - EC35 | mg/kg | 10    | MCERTS | < 10    |
| TPH-CWG - Aromatic (EC5 - EC35) | mg/kg | 10    | MCERTS | < 10    |

#### VOCs

|                                       |       |   |           |       |
|---------------------------------------|-------|---|-----------|-------|
| Chloromethane                         | µg/kg | 1 | ISO 17025 | < 1.0 |
| Chloroethane                          | µg/kg | 1 | NONE      | < 1.0 |
| Bromomethane                          | µg/kg | 1 | ISO 17025 | < 1.0 |
| Vinyl Chloride                        | µg/kg | 1 | NONE      | < 1.0 |
| Trichlorofluoromethane                | µg/kg | 1 | NONE      | < 1.0 |
| 1,1-Dichloroethane                    | µg/kg | 1 | NONE      | < 1.0 |
| 1,1,2-Trichloro 1,2,2-Trifluoroethane | µg/kg | 1 | ISO 17025 | < 1.0 |
| Cis-1,2-dichloroethene                | µg/kg | 1 | MCERTS    | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether)    | µg/kg | 1 | MCERTS    | < 1.0 |
| 1,1-Dichloroethane                    | µg/kg | 1 | MCERTS    | < 1.0 |
| 2,2-Dichloropropane                   | µg/kg | 1 | MCERTS    | < 1.0 |
| Trichloromethane                      | µg/kg | 1 | MCERTS    | < 1.0 |
| 1,1,1-Trichloroethane                 | µg/kg | 1 | MCERTS    | < 1.0 |
| 1,2-Dichloroethane                    | µg/kg | 1 | MCERTS    | < 1.0 |
| 1,1-Dichloropropene                   | µg/kg | 1 | MCERTS    | < 1.0 |
| Trans-1,2-dichloroethene              | µg/kg | 1 | NONE      | < 1.0 |
| Benzene                               | µg/kg | 1 | MCERTS    | < 1.0 |
| Tetrachloromethane                    | µg/kg | 1 | MCERTS    | < 1.0 |
| 1,2-Dichloropropane                   | µg/kg | 1 | MCERTS    | < 1.0 |
| Trichloroethene                       | µg/kg | 1 | MCERTS    | < 1.0 |
| Dibromomethane                        | µg/kg | 1 | MCERTS    | < 1.0 |
| Bromodichloromethane                  | µg/kg | 1 | MCERTS    | < 1.0 |
| Cis-1,3-dichloropropene               | µg/kg | 1 | ISO 17025 | < 1.0 |



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Project / Site name: Contract Chemicals

| Lab Sample Number                       | 1932091       |                    |                         |       |
|-----------------------------------------|---------------|--------------------|-------------------------|-------|
| Sample Reference                        | PPS11         |                    |                         |       |
| Sample Number                           | None Supplied |                    |                         |       |
| Depth (m)                               | 0.00-0.30     |                    |                         |       |
| Date Sampled                            | 06/07/2021    |                    |                         |       |
| Time Taken                              | None Supplied |                    |                         |       |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Scheme |       |
| Trans-1,3-dichloropropene               | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| Toluene                                 | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,1,2-Trichloroethane                   | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,3-Dichloropropane                     | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| Dibromochloromethane                    | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| Tetrachloroethene                       | µg/kg         | 1                  | NONE                    | < 1.0 |
| 1,2-Dibromoethane                       | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| Chlorobenzene                           | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,1,1,2-Tetrachloroethane               | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| Ethylbenzene                            | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| p & m-Xylene                            | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| Styrene                                 | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| Tribromomethane                         | µg/kg         | 1                  | NONE                    | < 1.0 |
| o-Xylene                                | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,1,2,2-Tetrachloroethane               | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| Isopropylbenzene                        | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| Bromobenzene                            | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| n-Propylbenzene                         | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| 2-Chlorotoluene                         | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 4-Chlorotoluene                         | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,3,5-Trimethylbenzene                  | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| tert-Butylbenzene                       | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,2,4-Trimethylbenzene                  | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| sec-Butylbenzene                        | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,3-Dichlorobenzene                     | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| p-Isopropyltoluene                      | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| 1,2-Dichlorobenzene                     | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,4-Dichlorobenzene                     | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| Butylbenzene                            | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,2-Dibromo-3-chloropropane             | µg/kg         | 1                  | ISO 17025               | < 1.0 |
| 1,2,4-Trichlorobenzene                  | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| Hexachlorobutadiene                     | µg/kg         | 1                  | MCERTS                  | < 1.0 |
| 1,2,3-Trichlorobenzene                  | µg/kg         | 1                  | ISO 17025               | < 1.0 |

|                             |       |      |           |        |
|-----------------------------|-------|------|-----------|--------|
| SVOCs                       |       |      |           |        |
| Aniline                     | mg/kg | 0.1  | NONE      | < 0.1  |
| Phenol                      | mg/kg | 0.2  | ISO 17025 | < 0.2  |
| 2-Chlorophenol              | mg/kg | 0.1  | MCERTS    | < 0.1  |
| Bis(2-chloroethyl)ether     | mg/kg | 0.2  | MCERTS    | < 0.2  |
| 1,3-Dichlorobenzene         | mg/kg | 0.2  | MCERTS    | < 0.2  |
| 1,2-Dichlorobenzene         | mg/kg | 0.1  | MCERTS    | < 0.1  |
| 1,4-Dichlorobenzene         | mg/kg | 0.2  | MCERTS    | < 0.2  |
| Bis(2-chloroisopropyl)ether | mg/kg | 0.1  | MCERTS    | < 0.1  |
| 2-Methylphenol              | mg/kg | 0.3  | MCERTS    | < 0.3  |
| Hexachloroethane            | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Nitrobenzene                | mg/kg | 0.3  | MCERTS    | < 0.3  |
| 4-Methylphenol              | mg/kg | 0.2  | NONE      | < 0.2  |
| Isophorone                  | mg/kg | 0.2  | MCERTS    | < 0.2  |
| 2-Nitrophenol               | mg/kg | 0.3  | MCERTS    | < 0.3  |
| 2,4-Dimethylphenol          | mg/kg | 0.3  | MCERTS    | < 0.3  |
| Bis(2-chloroethoxy)methane  | mg/kg | 0.3  | MCERTS    | < 0.3  |



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Project / Site name: Contract Chemicals

| Lab Sample Number                       |       |                    |                         | 1932091       |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|
| Sample Reference                        |       |                    |                         | PPS11         |
| Sample Number                           |       |                    |                         | None Supplied |
| Depth (m)                               |       |                    |                         | 0.00-0.30     |
| Date Sampled                            |       |                    |                         | 06/07/2021    |
| Time Taken                              |       |                    |                         | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>status |               |
| 1,2,4-Trichlorobenzene                  | mg/kg | 0.3                | MCERTS                  | < 0.3         |
| Naphthalene                             | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| 2,4-Dichlorophenol                      | mg/kg | 0.3                | MCERTS                  | < 0.3         |
| 4-Chloroaniline                         | mg/kg | 0.1                | NONE                    | < 0.1         |
| Hexachlorobutadiene                     | mg/kg | 0.1                | MCERTS                  | < 0.1         |
| 4-Chloro-3-methylphenol                 | mg/kg | 0.1                | NONE                    | < 0.1         |
| 2,4,6-Trichlorophenol                   | mg/kg | 0.1                | MCERTS                  | < 0.1         |
| 2,4,5-Trichlorophenol                   | mg/kg | 0.2                | MCERTS                  | < 0.2         |
| 2-Methylnaphthalene                     | mg/kg | 0.1                | NONE                    | < 0.1         |
| 2-Chloronaphthalene                     | mg/kg | 0.1                | MCERTS                  | < 0.1         |
| Dimethylphthalate                       | mg/kg | 0.1                | MCERTS                  | < 0.1         |
| 2,6-Dinitrotoluene                      | mg/kg | 0.1                | MCERTS                  | < 0.1         |
| Acenaphthylene                          | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Acenaphthene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| 2,4-Dinitrotoluene                      | mg/kg | 0.2                | MCERTS                  | < 0.2         |
| Dibenzofuran                            | mg/kg | 0.2                | MCERTS                  | < 0.2         |
| 4-Chlorophenyl phenyl ether             | mg/kg | 0.3                | ISO 17025               | < 0.3         |
| Diethyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         |
| 4-Nitroaniline                          | mg/kg | 0.2                | MCERTS                  | < 0.2         |
| Fluorene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Azobenzene                              | mg/kg | 0.3                | MCERTS                  | < 0.3         |
| Bromophenyl phenyl ether                | mg/kg | 0.2                | MCERTS                  | < 0.2         |
| Hexachlorobenzene                       | mg/kg | 0.3                | MCERTS                  | < 0.3         |
| Phenanthrene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Anthracene                              | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Carbazole                               | mg/kg | 0.3                | MCERTS                  | < 0.3         |
| Dibutyl phthalate                       | mg/kg | 0.2                | MCERTS                  | < 0.2         |
| Anthraquinone                           | mg/kg | 0.3                | MCERTS                  | < 0.3         |
| Fluoranthene                            | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Pyrene                                  | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Butyl benzyl phthalate                  | mg/kg | 0.3                | ISO 17025               | < 0.3         |
| Benzo(a)anthracene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Chrysene                                | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Benzo(b)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Benzo(k)fluoranthene                    | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Benzo(a)pyrene                          | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Indeno(1,2,3-cd)pyrene                  | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Dibenz(a,h)anthracene                   | mg/kg | 0.05               | MCERTS                  | < 0.05        |
| Benzo(ghi)perylene                      | mg/kg | 0.05               | MCERTS                  | < 0.05        |

U/S = Unsuitable Sample I/S = Insufficient Sample



**Analytical Report Number : 21-85847**

**Project / Site name: Contract Chemicals**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description *        |
|-------------------|------------------|---------------|-----------|-----------------------------|
| 1932061           | PPS1             | None Supplied | 0.00-0.30 | Brown clay with vegetation. |
| 1932062           | PPS2             | None Supplied | 0.00-0.30 | Brown clay with vegetation. |
| 1932063           | PPS3             | None Supplied | 0.00-0.30 | Brown clay.                 |
| 1932064           | PPS4             | None Supplied | 0.00-0.30 | Brown clay.                 |
| 1932065           | PPS5             | None Supplied | 0.00-0.30 | Brown clay.                 |
| 1932066           | PPS6             | None Supplied | 0.00-0.30 | Brown clay.                 |
| 1932067           | PPS7             | None Supplied | 0.00-0.30 | Brown clay.                 |
| 1932068           | PPS8             | None Supplied | 0.00-0.30 | Brown clay.                 |
| 1932069           | PPS9             | None Supplied | 0.00-0.30 | Brown clay.                 |
| 1932090           | PPS10            | None Supplied | 0.00-0.30 | Brown clay.                 |
| 1932091           | PPS11            | None Supplied | 0.00-0.30 | Brown clay with gravel.     |

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## **APPENDIX D - PHOTOGRAPHIC PLATES**

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3 Images of the demolition and decommissioning of the site.





The first image is the metal top hat to protect the borehole installed for obtaining a water sample after removing the concrete slab.



The next 2 images show the concrete removed and the subsurface, to the left is the subbase under the concrete.



This image is the earth under the slab which did not present any odours or discolouration.



These 3 images show that the site has been cleared of relic items and the concrete slab has been peppered with holes in readiness to lift the concrete slab.



Former area of the Bonner Building and equipment.



View from the Bonner area towards the office.



View from the Bonner Building towards the outside storage area.



North centre of the site with relic tanks about to be removed from the site for recycling.



Chemical waste storage outside the chemical waste store.



Inside the chemical store with the last few remaining drums of unused products awaiting removal/disposal.



Another image of the remaining chemical products inside the storage building.



View of the site looking NorthEast from the office after clearing the site and leaving in place the tarmac road.



As the demolition progresses removing the slabs as shown here.



To commencing with the office building demolition.



Starting to process the concrete to form a crushed material for reuse.



Site being kept in a tidy state as the demolition works commence.



Starting to crush the concrete and form stockpiles.



Stockpiles of crushed material being formed.



These 3 images show the site after all the relict structures, tanks and wastes have been removed.



The final 3 images show the open site after demolition as the crushing is being completed.



Each sample location on the 20m grid and 10m grid was photographed during the 2025 sampling and testing. This is an example of the images to document every sample location.



## **APPENDIX E – WASTE REMOVAL**

Invoice example from Avanti



Avanti Environmental Group Limited  
Atlas House, Third Avenue, Globe Business Park  
SL7 1EY Marlow  
T. 0845 603 2893

## INVOICE

| CUSTOMER             |                                      | INVOICE                                                                                                                                      |
|----------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME:</b>         | Knowsley Redevelopments Limited      | <b>INVOICE NUMBER:</b><br>4635006131<br><b>INVOICE DATE:</b><br>31/07/2021<br><b>CURRENCY:</b><br>GBP<br><b>CUSTOMER CODE:</b><br>1100043043 |
| <b>BILLING ADDR:</b> | c/o Contract Chemicals, Penrhyn Road |                                                                                                                                              |
| <b>CITY:</b>         | Knowsley Business Park, Prescott     |                                                                                                                                              |
| <b>POST CODE:</b>    | L34 9HY                              |                                                                                                                                              |
| <b>VAT NUMBER:</b>   | GB356990844                          |                                                                                                                                              |
| <b>PRODUCER:</b>     | Knowsley Redevelopments ( Knowsley ) |                                                                                                                                              |

| INVOICE DETAILS |                                                                                                                            |                |            |          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|----------------|------------|----------|
| SERVICE         | DESCRIPTION                                                                                                                | QUANTITY       | UNIT PRICE | AMOUNT   |
| 26.07.2021      | Methyl-2-Bromotetradecanoate<br>P.O.: Load 19<br>OUR/REF: 2819540<br>CONSIGNMENT NOTE: KNOWSL/0002R<br>EWC: 070103         | 4.000 Dr 205l  | 487.00     | 1,948.00 |
| 26.07.2021      | Stage 1 Cloquinteet<br>P.O.: Load 19<br>OUR/REF: 2819540<br>CONSIGNMENT NOTE: KNOWSL/0002R<br>EWC: 070103                  | 5.000 1000lt   | 1,450.00   | 7,250.00 |
| 26.07.2021      | Diocetylphosphonate<br>P.O.: Load 19<br>OUR/REF: 2819540<br>CONSIGNMENT NOTE: KNOWSL/0002R<br>EWC: 070103                  | 2.000 Dr 205l  | 240.00     | 480.00   |
| 26.07.2021      | 3-Chloropropylidimethyl Ammonium Chi<br>P.O.: Load 19<br>OUR/REF: 2819540<br>CONSIGNMENT NOTE: KNOWSL/0002R<br>EWC: 070103 | 2.000 Dr 205l  | 270.00     | 540.00   |
| 26.07.2021      | Bromopropionic Acid<br>P.O.: Load 19<br>OUR/REF: 2819540<br>CONSIGNMENT NOTE: KNOWSL/0002R<br>EWC: 070103                  | 12.000 Dr 205l | 497.00     | 5,964.00 |
| 26.07.2021      | Methyl-2-Bromotetradecanoate                                                                                               |                |            |          |

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## APPENDIX F – PLANT DECOMMISSIONING



CONTRACT CHEMICALS LIMITED

|                |               |                           |                             |              |
|----------------|---------------|---------------------------|-----------------------------|--------------|
| Date: 29.07.20 | Issue No: 006 | BROMINE SYSTEM CLEAN DOWN | CCL/PROW/VCP-BROMINE SYSTEM | Page 1 of 12 |
|----------------|---------------|---------------------------|-----------------------------|--------------|

## BROMINE SYSTEM CLEAN DOWN (SITE CLOSURE)

This document forms part of the Contract Chemicals Limited  
quality assurance system and adherence to its requirements is mandatory.

|                                       |               |
|---------------------------------------|---------------|
| Issued by .....<br>(Competent Person) | Date 29/07/20 |
| Approved by .....<br>(Production)     | Date 29.7.20. |
| Approved by .....<br>(Technical)      | Date 29/07/20 |
| Approved by .....<br>(QSE)            | Date 30/07/20 |

A full copy of this document and water testing can be found within Appendix D of the electronic file. As part of the surrender application.

## APPENDIX G – HISTORIC REPORTS AND DOCUMENTS RECOVERED (SUMMARY)

The list below can be found in the electronic file as part of the surrender application, a full copy cannot be issued due to the large volume of records collected. However, if required a viewing can be arranged by appointment.

Appendix A Historic Ground/Condition Reports List oldest first

A Baseline Report Site Investigation by Cremer & Warner 27/04/1993 (Fully scanned)

A1 Ground Investigation (Condition Report) Ref report no 97/2 by Sub Soil Surveys Ltd, dated 02/1997

A2 Site Condition Report, Ref S09389C002, by Entec, dated 13/12/2002

A3

Appendix B Incidents

B Phosphorous Fire – Bonner Building 16/08/2004

B Distillation of Benzyl Bromocetate 5/1/2002

B Bonner Lev Fire 30/12/2009

B Trade Effluent Overspill 12/2010 – Entec report

B Trade Effluent Overspill Sampling 01/01/2011 (fully scanned)

B Bromododecane Spillage Investigation 01/09/2012 (fully scanned)

B Knowsley Brook Incident 13/08/2013

B Xylene Investigation 31/10/2017

B Bronner Building Vapour Cloud 12/06/2018

B Abnormal Occurrence Reports (examples taken from 2018)

C G and J Phase1 Desk Top Investigation (2024 – 2025 reports)

C G and J Phase 2 Site Investigation

C G and J DQRA

C G and J RMS

## **APPENDIX H – 20M GRID SAMPLING AND TESTING RESULTS WITH LOCATION PLAN**

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